Table of Contents

Day-at-a-Glance and Program ................................................................. 5

Oral Abstracts .......................................................................................... 312

Poster Abstracts ..................................................................................... 591

Index by Author ...................................................................................... 1168

Index by Keyword ................................................................................... 1206
1:00 pm – 5:30 pm  In-Depth Symposia

**Page 6**  
**HLA – Beyond the Basics of A, B, and DR**  
*Ballroom A*

**Page 6**  
**The Changing Landscape of Liver Transplantation**  
*Ballroom C*

**Page 7**  
**Leadership Bootcamp: Growth, Sustainability and Fiscal Management of Transplant Programs**  
*Room 312*

**Page 7**  
**The Basics of Heart & Lung Transplantation: Clinical Perspectives and Evidence-Based Management**  
*Room 306*

**Page 8**  
**Managing Kidney Renal Allograft Failure to Re-Transplantation (KRAFT): Challenges and Opportunities**  
*Room 311*

**Page 9**  
**The Multidisciplinary Team: Solving Problems in the Modern World**  
*Room 310*

**Page 9**  
**Transplant Infectious Disease**  
*Ballroom B*

**Page 10**  
**Molecular Dissection of Rejection**  
*Room 304*

**Page 11**  
**Basic Science for the Clinician – Transplant Rejection**  
*Room 302*

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**5:30 pm  Congress Begins**

**5:30 pm – 7:30 pm  Opening Reception with Exhibits**  
*Hall C/D*

**5:30 pm – 7:30 pm  Poster Session A**  
*Presenters in Attendance*  
*Hall C/D*
In-Depth Symposia (Additional Fee)
1:00 pm – 5:30 pm

**HLA-Beyond the Basics of A, B, and Dr**

**Ballroom A**

Moderators: Elaine Reed, PhD, University of California Los Angeles Health, Los Angeles, CA. Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, MB, Canada.

1:00 pm Antibody Mediated Injury Through the Pathologist’s Lens –What Does Suspicious Mean?
Lynn Cornell, MD, Mayo Clinic, Rochester, MN, USA.

1:20 pm Audience Discussion

1:30 pm Antibody Mediated Injury from the Nephrologist’s Perspective: Current Dilemmas and Future Directions
Darshana Dadhania, MD, MS, Weill Cornell Medicine, New York City, NY, USA.

1:50 pm Audience Discussion

2:00 pm Accommodation to Antibodies
Elaine Reed, PhD, University of California Los Angeles Health, Los Angeles, CA, USA.

2:20 pm Audience Discussion

2:30 pm Debate-PRO: Monitoring for Donor Specific Antibody on a Routine Basis Is Necessary!
Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, MB, Canada.

2:40 pm Debate-CON: Monitoring for Donor Specific Antibody on a Routine Basis is NOT Necessary!
Howard Gebel, PhD, Emory University, Atlanta, GA, USA.

2:50 pm Debate - PRO: Rebuttal
Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, MB, Canada.

2:55 pm Debate - CON: Rebuttal
Howard Gebel, PhD, Emory University, Atlanta, GA, USA.

3:00 pm Audience Discussion

Coffee Break
3:10 pm – 3:30 pm

3:30 pm Algorhythms for Epitope Matching
Vasilis Kosmoliaptsis, MD, PhD, University of Cambridge, Cambridge, England.

3:50 pm Audience Discussion

4:00 pm Reviewing Available Data on Outcomes
James Cooper, MD, University of Colorado, Aurora, CO, USA.

4:20 pm Audience Discussion

4:30 pm Comprehensive Tour of Non-HLA Antibodies
Matthew Everly, PharmD, Terasaki Research Institute, Los Angeles, CA, USA.

4:50 pm Audience Discussion

5:00 pm Clinical Relevance of Non-HLA Antibodies
Dany Anglicheau, MD, PhD, Necker-Children Malades Hospital, Paris, France.

5:20 pm Audience Discussion

**The Changing Landscape of Liver Transplantation**

**Ballroom C**

Moderators: Mike Abecassis, MD, MBA, Northwestern Medicine, Feinberg School of Medicine, Chicago, IL, USA. David Goldberg, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA.

1:00 pm Challenges of NASH and Obesity
Kymberly Watt, MD, Mayo Clinic, Rochester, MN, USA.

1:20 pm Audience Discussion

1:30 pm Challenges of Retransplantation
Carlos O. Esquivel, MD, PhD, Stanford Abdominal, Transplantation, Stanford, CA, USA.

1:50 pm Audience Discussion

2:00 pm The Increasing Burden of Renal Disease
Patricia Sheiner, MD, FACS, Hartford Hospital, Hartford, CT, USA.

2:20 pm Audience Discussion
### AMERICAN TRANSPLANT CONGRESS
Program, Saturday, June 1, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:30 pm</td>
<td>How to Transplant Low MELD Patients</td>
<td>Alan Langnas, DO</td>
<td>University of Nebraska, Omaha, NE, USA.</td>
</tr>
<tr>
<td>2:50 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>3:00 pm</td>
<td>Coffee Break</td>
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<tr>
<td>3:30 pm</td>
<td>New and Extended Indications for LT in the Future</td>
<td>Marwan Abouljoud, MD</td>
<td>Henry Ford Hospital, Detroit, MI, USA.</td>
</tr>
<tr>
<td>3:50 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>4:00 pm</td>
<td>The Future of the Liver Transplant Workforce - Surgeon Perspective</td>
<td>Mike Engelsbe, MD</td>
<td>University of Michigan, Ann Arbor, MI, USA.</td>
</tr>
<tr>
<td>4:15 pm</td>
<td>The Future of the Liver Transplant Workforce - Mid-level Provider Perspective</td>
<td>Georgeine Smith, MHS, MS</td>
<td>The Hospital of the University of Pennsylvania, Philadelphia, PA, USA.</td>
</tr>
<tr>
<td>4:30 pm</td>
<td>The Future of Liver Transplant Workforce Panel Discussion</td>
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</tbody>
</table>

**Leadership Bootcamp: Growth, Sustainability and Fiscal Management of Transplant Programs**

**Room 312**
Moderators: John Gutowski, FACHE, University of Colorado Health, Aurora, CO, USA. Laura Stillion, MHA, FACHE, The Ohio State University Wexner Medical Center, Columbus, OH, USA.

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>1:00 pm</td>
<td>Playing Small Ball: Administrative and Clinical Challenges</td>
<td>Marc Garfinkel, MD</td>
<td>SIU School of Medicine, Springfield, IL, USA.</td>
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<td>1:30 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>1:40 pm</td>
<td>Innovations in Growth and Marketing</td>
<td>Jennifer Milton, RN, MBA</td>
<td>University Transplant Center, San Antonio, TX, USA.</td>
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<td>2:10 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>2:20 pm</td>
<td>Pros and Cons of Transplant Models: Institutes and Service Lines</td>
<td>Jason Vanatta, MD</td>
<td>Cleveland Clinic Florida, Weston, FL, USA.</td>
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<tr>
<td>2:50 pm</td>
<td>Audience Discussion</td>
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<td>3:00 pm</td>
<td>Coffee Break</td>
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<tr>
<td>3:30 pm</td>
<td>Common Errors in Medicare Cost Report Preparation</td>
<td>Ed Zavala, MBA</td>
<td>Vanderbilt University Medical Center, Nashville, TN, USA.</td>
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<td>4:00 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>4:10 pm</td>
<td>Implications for Staffing of the Long-Term Care of Transplant Patients</td>
<td>Laura Stillion, MHA</td>
<td>The Ohio State University Wexner Medical Center, Columbus, OH, USA.</td>
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<tr>
<td>4:40 pm</td>
<td>Audience Discussion</td>
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**The Basics of Heart & Lung Transplantation: Clinical Perspectives and Evidence-Based Management**

**Room 306**
Moderators: Kevin Daly, MD, Boston Children's Hospital, Boston, MA, USA. Jon Kobashigawa, MD, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, USA.

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>1:00 pm</td>
<td>Primary Graft Failure in Heart Transplantation</td>
<td>Maryjane Farr, MD</td>
<td>Columbia University Medical Center, New York, NY, USA.</td>
</tr>
<tr>
<td>1:20 pm</td>
<td>Management of Common Post-Transplant Complications</td>
<td>Shelley Hall, MD</td>
<td>Baylor University Medical Center, Dallas, TX, USA.</td>
</tr>
<tr>
<td>1:40 pm</td>
<td>Mechanical Circulatory Support as a Bridge to Heart Transplantation</td>
<td>Jeff Teuteberg, MD</td>
<td>Stanford University, Stanford, CA, USA.</td>
</tr>
<tr>
<td>2:00 pm</td>
<td>Evaluation for Heart Transplant Candidacy: Key Concepts</td>
<td>Donna Mancini, MD</td>
<td>Mount-Sinai, New York, NY, USA.</td>
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<td>Time</td>
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</table>
| 2:20 pm| Monitoring, Diagnosis and Treatment of Rejection in Heart Transplantation  
         Josef Stehlik, MD, MPH, University of Utah School of Medicine, Salt Lake City, UT, USA.  
         
         2:40 pm | Panel Discussion  |
| 2:40 pm| Coffee Break  |
| 3:00 pm – 3:30 pm | Lunch Break  |
| 3:30 pm – 5:30 pm | Moderators: Sangeeta Bhorade, MD, Northwestern Medicine, Chicago, IL, USA. Daniel Dilling, MD, Loyola University Chicago, Stich School of Medicine, Maywood, IL, USA.  
         3:30 pm | Evaluation for Lung Transplant Candidacy: Key Concepts  
         Jonathan Singer, MD, MS, UCSF, San Francisco, CA, USA.  
         
         3:50 pm | The Use of Mechanical Assist Devices in Bridging to Lung Transplantation  
         Marty Zamora, MD, University of Colorado Denver, Denver, CO, USA.  
         
         4:10 pm | Primary Graft Failure in Lung Transplantation  
         Jeffrey D. Edelman, MD, University of Washington, Seattle, WA, USA.  
         
         4:30 pm | Monitoring, Diagnosis and Treatment of Rejection in Lung Transplantation  
         Deborah Levine, MD, University of Texas Health Science Center San Antonio, San Antonio, TX, USA.  
         
         4:50 pm | Management of Common Post-Transplant Complications  
         Marie Budev, DO, The Cleveland Clinic, Cleveland, OH, USA.  
         
         5:10 pm | Panel Discussion |
| 5:10 pm| Managing Kidney Renal Allograft Failure to Re-Transplantation (KRAFT): Challenges and Opportunities  
         Room 311  
         Moderators: Martha Pavlakis, MD, Beth Isreal Deaconess Medical Center, Boston, MA, USA. Jim Rice, MD, Scripps, La Jolla, CA, USA.  
         1:00 pm | Managing CKD V in Recipients with Failing Kidney Allografts: Are Transplant Nephrologists Up to the Task?  
         Robert Gatson, MD, University of Alabama, Birmingham, AL, USA.  
         
         1:30 pm | Audience Discussion  
         
         1:40 pm | Increased Mortality in Recipients with a Failed Kidney Allograft: Why so High?  
         John Gill, MD, MS, Providence Health Care, Vancouver, BC, Canada.  
         
         2:10 pm | Audience Discussion  
         
         2:20 pm | Outcomes of Renal Re-transplantation  
         Todd Pesavento, MD, The Ohio State University, Columbus, OH, USA.  
         
         2:50 pm | Audience Discussion  |
| 3:00 pm – 3:30 pm | Lunch Break  |
| 3:30 pm | The Changing Face of Sensitization in Recipients with Failing Kidney Allograft  
         Carrie Schinstock, MD, Mayo Clinic, Rochester, MN, USA.  
         
         2:50 pm | Audience Discussion  
         
         4:10 pm | Collaborative Relationship: Is it Possible to Improve Care of Recipients with Failing Kidney Allografts?  
         James Rice, MD, Scripps Clinic and Green Hospital, La Jolla, CA, USA.  
         
         4:40 pm | Audience Discussion |
The Multidisciplinary Team: Solving Problems in the Modern World

Room 310

1:00 pm – 3:00 pm
Moderators: Brenda Kowinski, MSN, RN, CCTC, NATCO, Indianapolis IN, USA, Joyce Trompeta, PhD, PNP, University of California, San Francisco, San Francisco, CA, USA.

1:00 pm Undocumented Immigrants: Transplant Center Responsibilities; Strategies to Handle Difficult Situation; Legal and Fiscal Concerns
Luke Preczewski, BS, Jackson Health System, Miami, FL, USA.

1:20 pm Audience Discussion

1:30 pm Media and Judicial Influence on OPTN Organ Allocation Policy
Stuart Sweet, MD, PhD, Washington University, St. Louis, MO, USA.

1:50 pm Audience Discussion

2:00 pm Transplanting HepC+ to HepC-: What are the financial implications?
Cameron Wolfe, MBBS, MPH, Duke University Medical Center, Durham, NC, USA.

2:20 pm Audience Discussion

2:30 pm Chronic Sorrow
Stacia Hays, DNP, CPNP, University of Florida, Gainesville, FL, USA.

2:50 pm Audience Discussion

Coffee Break
3:00 pm – 3:30 pm

3:30 pm – 5:35 pm
Moderators: Tiffany Buda, RSN, BSN, Cleveland Clinic, Cleveland, OH, USA, Linda Ohler, New York University Langone Health, New York, NY, USA.

3:30 pm Development of APP Staffing Models, Supporting Inpt and Outpt Tx Service lines
Karen Kerepesi, PA, Cleveland Clinic, Cleveland, OH, USA.

3:50 pm Audience Discussion

3:55 pm APN as Gatekeeper in Diagnosis of Cardiac Primary Dysfunction
Maureen Flattery, MD, VCU Health, Richmond, VA, USA.

4:15 pm Audience Discussion

4:20 pm Avoiding the ER: APP-Run Post-Transplant Urgent Care Clinics
Rebecca Duke, APRN-CNP, DNP, Northwestern Memorial Hospital, Chicago, IL, USA.

4:40 pm Audience Discussion

4:45 pm No Urine? No Problem! APP-Run DGF Clinics
Brenda Muth, NP, University of Wisconsin, Madison, WI, USA.

5:05 pm Audience Discussion

5:10 pm Development of Clinic Transplant Pharmacist Services: Who, What, When, and Where
Lisa Potter, PharmD, BCPS, University of Chicago Medicine, Chicago, IL, USA.

5:30 pm Audience Discussion

Transplant Infectious Disease
Ballroom B

1:00 pm – 2:00 pm
Moderators: Camille Kotton, MD, Massachusetts General Hospital, Boston, MA, USA, Jonathan Hand, MD, Ochsner Medical Center, New Orleans, LA, USA.

1:00 pm Managing Infections in Transplant Candidates: Overview of Pre-Transplant Evaluation
Judith Anesi, MD, University of Pennsylvania, Philadelphia, PA, USA.

1:20 pm Managing Infections in Transplant Candidates: MDROs- Treatment and Does it Affect Candidacy?
Ghady Haidar, MD, University of Pittsburgh Medical Center Pittsburgh, PA, USA.

1:40 pm Managing Infections in Transplant Candidates: LVAD Infections
Christine Koval, MD, Cleveland Clinic, Cleveland OH, USA.
2:00 pm – 3:00 pm  
Moderators: Susanna Tan, MD, Stanford University, Stanford, CA, USA. Nicole Theodoropoulos, MD, MS, University of Massachusetts, Worcester, MA, USA.

2:00 pm  Managing Complicated Infections in Transplant Recipients: Managing Post-Transplant TB  
Aruna Subramaniam, MD, Stanford University, Stanford, CA, USA.

2:20 pm  Managing Complicated Infections in Transplant Recipients: Managing BK-Updates in Therapeutic Options  
Hans Hirsch, MD, MSc, University of Basel, Basel, Switzerland.

2:40 pm  Managing Complicated Infections in Transplant Recipients: Non-Aspergillus Moulds  
Shahid Husain, MD, MS, University Health Network, Toronto, ON, Canada.

3:00 pm  Audience Discussion

Coffee Break

3:15 pm – 3:45 pm

3:45 pm – 4:45 pm  
Moderators: Emily Blumberg, MD, FAST, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA. Monica Ardura, DO, MSCS, Nationwide Children’s Hospital & The Ohio State University, Columbus, OH, USA.

3:45 pm  TID is a Team Sport!: The Cutting Edge Surgeons Perspective of Managing Post-Transplant Infections  
Abhinav Humar, MD, University of Pittsburgh, Pittsburgh, PA, USA.

4:05 pm  TID is a Team Sport!: A Day in the Life-The Pharmacist’s Role in Management of SOT Infections  
Gregory Malat, PharmD, Hahnemann University Hospital, Philadelphia, PA, USA.

4:25 pm  TID is a Team Sport!: Tell me Why-The ‘Path’ to Diagnosis of SOT Infections  
Maricar Malinis, MD, Yale University School of Medicine, New Haven, CT, USA.

4:45 pm  Cases in Transplant Infections-Stump The Expert  
Lara Danziger-Isakov, MD, MPH, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, USA.

4:50 pm  Cases in Transplant Infections-Stump The Expert  
Nicole Theodoropoulos, MD, MS, University of Massachusetts Medical School, Worcester, MA, USA.

4:55 pm  Cases in Transplant Infections-Stump The Expert  
Lilllian Abbo, MD, University of Miami/Jackson Health System, Miami, FL, USA.

5:00 pm  Cases in Transplant Infections-Stump The Expert  
Shirish Huprikar, MD, The Mount Sinai Hospital, New York, NY, USA.

5:05 pm  Cases in Transplant Infections-Stump The Expert  
Jonathan Hand, MD, Ochsner Medical Center, New Orleans, LA, USA.

5:10 pm  Cases in Transplant Infections-Stump The Expert  
Fernanda Silveira, MD, University of Pittsburgh and UPMC, Pittsburgh, PA, USA.

5:15 pm  Audience Discussion

Molecular Dissection of Rejection

Room 304

1:00 pm – 3:00 pm  
Moderators: Christopher Blosser, MD, University of Washington Division of Nephrology, Seattle, WA, USA. Lorenzo Gallon, MD, Northwestern University, Chicago, IL, USA.

1:00 pm  Molecular Approaches to Chronic Allograft Injury  
Enver Akalin, MD, FAST, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY, USA.

1:20 pm  Audience Discussion

1:30 pm  Biomarkers in Graft Rejection  
Manikkam Suthanthiran, MD, Weill Cornell Medicine, New York, NY, USA.

1:50 pm  Audience Discussion
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter Information</th>
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<tbody>
<tr>
<td>2:00 pm</td>
<td>Single Cell Approaches to Rejection</td>
<td>Emmanuel Zorn, PhD, Columbia University Medical Center, New York, NY, USA.</td>
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<td>2:20 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>2:30 pm</td>
<td>Epigenetic and Transplantation</td>
<td>Valeria Mas, PhD, University of Virginia School of Medicine, Charlottesville, VA, USA.</td>
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<td>2:50 pm</td>
<td>Audience Discussion</td>
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<td>3:00 pm – 3:30 pm</td>
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<td>DNA Biomarkers of Graft Rejection</td>
<td>Minnie Sarwal, PhD, MD, UCSF, San Francisco, CA, USA.</td>
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<td>3:50 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>4:00 pm</td>
<td>Linking Molecular Signatures of Rejection to Histology</td>
<td>Philip Halloran, MD, University of Alberta, Edmonton, AB, Canada.</td>
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<td>4:20 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>4:30 pm</td>
<td>Learning from Large Genomic Studies in Transplantation</td>
<td>Brendan Keating, D. Phil, University of Pennsylvania, Philadelphia, PA, USA.</td>
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<td>4:50 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>5:00 pm</td>
<td>B Cell Biomarkers for Transplantation</td>
<td>David Rothstein, MD, University of Pittsburgh, Pittsburgh, PA, USA.</td>
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<td>5:20 pm</td>
<td>Audience Discussion</td>
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**Basic Science for the Clinician-Transplant Rejection**

**Room 302**

Moderators: Arjang Djamali, MD, MS, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA Kassem Safa, MD, FASN, Massachusetts General Hospital, Boston, MA, USA.

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>1:00 pm</td>
<td>Costimulation for Clinicians</td>
<td>Andrew Adams, MD/PhD, Emory University, Atlanta, GA, USA.</td>
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<tr>
<td>1:20 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>1:30 pm</td>
<td>Diagnosis of AMR - What the Clinician Needs to Know</td>
<td>Jacqueline O’Leary, MD, MPH, UT Southwestern Medical Center, Dallas, TX, USA.</td>
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<tr>
<td>1:50 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>2:00 pm</td>
<td>Basic Science of B Cell Mediated Rejection from a Clinician’s View</td>
<td>Stanley Jordan, MD, Cedars-Sinai Medical Center, West Hollywood, CA, USA.</td>
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<td>2:20 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>2:30 pm</td>
<td>T Cell Subsets - What a Clinician Needs to Know</td>
<td>Xounrong Luo, MD, PhD, Duke University, Durham, NC, USA.</td>
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<td>3:00 pm – 3:30 pm</td>
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<tr>
<td>3:30 pm</td>
<td>T Regs in Transplantation</td>
<td>Anil Chandraker, MD, Brigham Health-Brigham and Women's Hospital, Boston, MA, USA.</td>
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<td>3:50 pm</td>
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<td>4:00 pm</td>
<td>Complement Inhibition in Transplantation</td>
<td>Rex Neal-Smith, MD, PhD, Massachusetts General Hospital, Boston, MA, USA.</td>
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<td>4:20 pm</td>
<td>Audience Discussion</td>
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<tr>
<td>4:30 pm</td>
<td>Innate Immune System for Clinicians</td>
<td>Martin Oberbarnscheidt, MD, PhD, University of Pittsburgh, Pittsburgh, PA, USA.</td>
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</tbody>
</table>
4:50  Audience Discussion

5:00 pm  Endothelial Biology
David Briscoe, MD, Boston Children’s Hospital and Harvard Medical School
Boston, MA, USA.

5:20 pm  Audience Discussion

Congress Begins

Opening Reception with Exhibits

Hall C/D
5:30 pm – 7:30 pm

Poster Session A – Presenters in Attendance

Hall C/D
5:30 pm – 7:30 pm

Poster Viewing: 5:30 pm - 7:30 pm
Presenters in Attendance: 5:30 pm - 7:30 pm

Poster Session A can be found on pages 149-190.
### AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Sunday, June 2, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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| 7:00 am – 8:15 am | **Sunrise Interactive**  
(Continental Breakfast Included) |               |
| Page 17       | Non-Tuberculous Mycobacteria in Lung Transplant Recipients  
Room 306 |               |
| Page 17       | Can We Solve the Organ Discard Problem?  
Ballroom A |               |
| Page 17       | Immunosuppression in 2019 and Beyond: Considerations for CNI Conversion  
Ballroom B |               |
| Page 18       | Trying to Avoid Intestinal Transplantation in the Patient with Short Gut Syndrome  
Room 206 |               |
| Page 18       | Acute Liver Failure: We Came, We Saw, Have We Conquered?  
Ballroom C |               |
| Page 18       | Keeping it Real, the Motto of ‘One Transplant for Life’. Addressing the Unmet Need of Post Transplant Education and Communication  
Room 311 |               |
| Page 18       | Approach to Desensitization Pre and Post Heart Transplantation  
Room 310 |               |
| Page 19       | A to Z in HIV to HIV Kidney Transplantation  
Room 312 |               |
| Page 19       | Gender Disparity in Transplantation  
Room 208 |               |
| Page 19       | Expanding the Lung Donor Pool While Optimizing Patient Outcomes  
Room 313 |               |
| Page 19       | Pediatric Kidney Transplantation: Barriers to Success  
Room 210 |               |
| Page 20       | Optimizing Management of the Metabolic Syndrome After Liver Transplantation  
Room 309 |               |
| 7:00 am – 8:15 am | **Sunrise Didactic**  
(Continental Breakfast Provided) |               |
| Page 20       | Tissue Engineering in Transplantation  
Room 302 |               |
| Page 20       | Antibody Functions in Tissues & Regulations  
Room 304 |               |
| 8:15 am – 8:30 am | Break |               |
| 8:30 am – 9:30 am | **Plenary Session I**  
Veterans Auditorium |               |
| Page 21       | Joint Award Session  
Veterans Auditorium |               |
| 9:30 am – 9:45 am | ASTS Research Grants  
Veterans Auditorium |               |
| 10:00 am – 10:15 am | ASTS Pioneer Award  
Veterans Auditorium |               |
| 10:15 am – 10:30 am | AST Awards  
Veterans Auditorium |               |
| 10:30 am – 10:45 am | AST Lifetime Achievement Award  
Veterans Auditorium |               |
| 10:45 am – 11:15 am | Coffee Break in the Exhibit Hall  
Hall C/D |               |
<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>11:15 am – 12:45 pm</td>
<td>Midday Interactive</td>
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<tr>
<td><strong>Page 22</strong></td>
<td>Personalized Medicine in Transplantation: Can We Move the Needle?</td>
<td>Room 313</td>
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<td><strong>Page 22</strong></td>
<td>Lung Transplantation: From Bench to Bedside and Back</td>
<td>Room 206</td>
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<td>Are Donors After Cardiac Death Underutilized in Pediatric Transplant Recipients?</td>
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<td><strong>Page 23</strong></td>
<td>Personalized Immunosuppression and Infectious Risk: Joint ATC-ESCMID/ESOT Session</td>
<td>Ballroom B</td>
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<td><strong>Page 23</strong></td>
<td>Controversies in KPD</td>
<td>Room 302</td>
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<tr>
<td>11:15 am – 12:45 pm</td>
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<td>When to Sound the Alarm: Tough Risk-Benefit Decisions for Journals, Pharma and the FDA</td>
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<td><strong>Page 24</strong></td>
<td>T Cell Mediated Rejection: Where are we in 2019?</td>
<td>Veterans Auditorium</td>
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<tr>
<td><strong>Page 24</strong></td>
<td>Renal Issues in Cardiac Transplantation</td>
<td>Room 208</td>
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<tr>
<td><strong>Page 24</strong></td>
<td>Bench to Bedside: B Cells in Transplantation</td>
<td>Room 304</td>
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<td><strong>Page 25</strong></td>
<td>EBV and Post-Transplant Lymphoproliferative Disease: Emerging Data &amp; Pediatric Consensus Guidelines</td>
<td>Ballroom C</td>
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<tr>
<td><strong>Page 25</strong></td>
<td>Revisiting DOAC Anticoagulation in Transplantation</td>
<td>Room 312</td>
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<td>12:45 pm – 1:00 pm</td>
<td>Break</td>
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<tr>
<td>1:00 pm – 2:15 pm</td>
<td>Sponsored Satellite Symposia</td>
<td>Sheraton Boston Hotel</td>
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**1:00 pm – 2:15 pm Luncheon Workshops**

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<tr>
<th>Session</th>
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<tr>
<td>Obesity in Kidney Transplantation: Donors and Recipients</td>
<td>Room 109</td>
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<tr>
<td>New Transplant Medical Director: Roles, Responsibilities &amp; Challenges</td>
<td>Room 110</td>
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<tr>
<td>Differentiating ‘Difficult Patients’ and ‘Patients in Difficult Situations’ in Urgent Organ Failure</td>
<td>Cafe, Across from Hall A</td>
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</tbody>
</table>

Satellite Symposia are open to all registered Congress attendees. Satellite Symposia take place at the Sheraton Boston Hotel. Please check the ATC website, www.atcmeeting.org, or ATC mobile app (ATC19) for the full Satellite Symposia program listing.
AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Sunday, June 2, 2019

Page 26
Where Have You Been All My Life? The Living Donor with Infectious Disease
Room 108

1:30 pm – 4:30 pm  Transplantation In Depth (Basic)

Page 27
The Next New Thing- Basic Pathways to Emerging Therapeutics
Room 302

2:15 pm – 2:30 pm  Break

2:30 pm – 4:00 pm  Concurrent Oral Abstract Sessions

Page 27
Kidney Complications: Late Graft Failure I
Veterans Auditorium

Page 28
Kidney Deceased Donor Allocation I
Ballroom B

Page 29
Kidney Donor Selection / Management Issues I
Ballroom C

Page 30
Kidney Immunosuppression: Desensitization
Ballroom A

Page 31
Kidney Technical
Room 304

Page 32
Liver: Immunosuppression and Rejection
Room 312

Page 33
PTLD/Malignancies: All Topics
Room 312

Page 34
Biomarkers, Immune Monitoring and Outcomes I
Room 306

Page 35
Tissue Engineering & Technology
Room 309

Page 36
Endothelial Cell Biology
Room 310

Page 37
Ischemia Reperfusion & Organ Rehabilitation I
Room 313

Page 38
Tolerance: Clinical Studies
Room 208

Page 39
Medley of Heart Transplantation Topics
Room 206

Page 40
Non-Organ Specific: Organ Preservation/Ischemia Reperfusion Injury
Room 209

2:30 pm – 5:30 pm  Student Program

Page 40
The Science, The Art, and The Allure of Transplantation
Room 210

4:00 pm – 4:30 pm  Coffee Break in the Exhibit Hall
Hall C/D

4:30 pm – 6:00 pm  Concurrent Oral Abstract Sessions

Page 41
Kidney Immunosuppression: Novel Regimens and Drug Minimization I
Veterans Auditorium

Page 42
Kidney Acute Antibody Mediated Rejection
Ballroom B

Page 43
Kidney: Cardiovascular and Metabolic I
Ballroom C

Page 44
Kidney Living Donor: Quality and Selection
Ballroom A

Page 45
Kidney: Pediatrics I
Room 304
Liver: MELD, Allocation and Donor Issues (DCD/ECD) I
Room 312

Liver Transplant Oncology
Room 311

Lymphocyte Biology - Basic
Room 306

Histocompatibility and Immunogenetics
Room 309

B-cell / Antibody /Autoimmunity
Room 310

Vaccines and Viruses
Room 313

Psychosocial and Treatment Adherence
Room 208

Setting the Table for Success after Lung Transplantation
Room 206

Pancreas and Islet: All Topics I
Room 209

5:45 pm – 7:45 pm ASTS Town Hall & Reception
Hall A

6:00 pm – 7:00 pm Poster Session B
Presenters in Attendance
Hall C/D
Sunrise Symposia: Interactive
(Continental Breakfast Included)
7:00 am – 8:15 am

Non-Tuberculous Mycobacteria in Lung Transplant Recipients
Room 306
Moderators: Scott Palmer, MD, MHS, Duke University, Durham, NC. Aruna Subramanian, MD, Stanford University, Stanford, CA, USA.

7:00 am Epidemiology and Management of Non-Tuberculous Mycobacteria in Lung Transplant Recipients
Michele Morris, MD, University of Miami Miller School of Medicine, Miami Florida, USA.

7:20 am Debate - Pro: Mycobacterium Abscessus and Lung Transplant: To Transplant or Not to Transplant
Ricardo La Hoz, MD, UT Southwestern Medical Center Dallas, TX, USA.

7:35 am Debate - Con: Mycobacterium Abscessus and Lung Transplant: To Transplant or Not to Transplant
Joshua Mooney, MD, MS, Stanford University, Stanford, CA, USA.

7:50 am Debate - Pro: Rebuttal
Ricardo La Hoz, MD, UT Southwestern Medical Center Dallas, TX, USA.

7:55 am Debate - Con: Rebuttal
Joshua Mooney, MD, MS, Stanford University, Stanford, CA, USA.

8:00 am Audience Discussion

Can We Solve the Organ Discard Problem?
Ballroom A
Moderators: Ryutaro Hirose, MD, University of California San Francisco, San Francisco, CA, USA. David Klassen, MD, UNOS, Richmond, VA, USA.

7:00 am Who Can Tolerate a Marginal Kidney? Predicting Survival After Transplantation
Dory Segev, MD, PhD, Johns Hopkins University, Baltimore, MD, USA.

7:20 am PHS Risk Status: Time for a Change?
Cameron Wolfe, MBBS(Hons), MPH, Duke University Medical Center, Durham, NC, USA.

7:40 am Can we Predict Organ Discard?
Darren Stewart, MS, UNOS, Richmond, VA, USA.

8:00 am Panel Discussion

Immunosuppression in 2019 and Beyond:
Considerations for CNI Conversion
Ballroom B
Moderators: Ahmed Aljedai, Pharm. D., MBA, King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia. Simon Tremblay, PharmD, MS, University of Cincinnati, Cincinnati, OH, USA.

7:00 am Conversion to Improve Adherence: Change in Formulation or Agent
Mary Moss Chandran, PharmD, BCPS, Children’s Hospital Colorado, Denver, CO, USA.

7:15 am Conversion to improve Adherence: Psychosocial Factors and Therapy
John Peipert, PhD, Northwestern Medicine, Chicago, IL, USA.

7:30 am Conversion to Improve Renal Function in Patients with Persistent Renal Dysfunction: Change to mTOR Inhibitor
Yasir Qazi, MD, Keck Med Center at USC, Los Angeles, CA, USA.

7:45 am Conversion to Improve Renal Function in Patients with Persistent Renal Dysfunction: Change to Belatacept
Patricia West-Thielke, PharmD, BCPS, University of Illinois of Chicago, Chicago, IL, USA.

8:00 am Panel Discussion
**Trying to Avoid Intestinal Transplantation in the Patient with Short Gut Syndrome**

*Room 206*

**Moderators:** Cal Matsumoto, MD, MedStar Health, Washington, DC, USA. Thomas Schiano, MD, The Mount Sinai Medical Center, New York, NY, USA.

7:00 am  Can I Use Diet and Medications? – Multidisciplinary Medical Management of the Patient with Intestinal Failure
Syed-Mohammed Jafri, MD, Henry Ford Hospital, Detroit, MI, USA.

7:20 am  Surgical Management - Can I Do Surgery to Prevent Future Transplant?
George Mazariegos, MD, Children’s Hospital of Pittsburgh, Pittsburgh, PA, USA.

7:40 am  While Trying to Avoid a Transplant, How Do We Treat the Complications from Intestinal Failure and TPN?
Maria Cristina Segovia, MD, Duke University Hospital, Chapel Hill, NC, USA.

8:00 am  Panel Discussion

**Acute Liver Failure: We Came, We Saw, Have We Conquered?**

*Ballroom C*

**Moderators:** Catherine Frenette, MD, FAST, Scripps Center for Organ Transplant, La Jolla, CA, USA. Daniel Ganger, MD, FACP, Northwestern Medicine, Chicago, IL, USA.

7:00 am  20 years of Contributions to ALF Management: An Update from the ALFSG
Daniel Ganger, MD, FACP, Northwestern Medicine, Chicago, IL, USA.

7:20 am  Does My ALF Patient Need a Liver Transplant?

7:40 am  Successful Management of the Patient with Acute Liver Failure and When is it Futile?
Constantine Karvellas, MD, SM, University of Alberta, Edmonton, AB, Canada.

8:00 am  Panel Discussion

**Keeping it Real, the Motto of ‘One Transplant for Life’. Addressing the Unmet Need of Post-Transplant Education and Communication**

*Room 311*

**Moderators:** Anita Patel, MD, Henry Ford Transplant Institute, Detroit, MI. Milagros Samaniego, Henry Ford Transplant Institute, Detroit, MI, USA.

7:00 am  Improve Access For Patients Away From the Primary Transplant Center: Telemedicine and Mobile Clinics
Richard Formica, MD, Yale School of Medicine, New Haven, CT, USA.

7:15 am  Educating and Communicating with Community Specialists, Primary Care Providers, Care Partners and Patients – How Do Canadians Do This?
Marcelo Cantarovich, MD, Professor of Medicine, McGill University Health Centre Research Institute, Montreal, Quebec.

7:30 am  Insurance Organizations and Ensurance of Transplant Health Care, Role of Lobbying and Legislation
Matthew Cooper, MD, Professor of Surgery, Medstar Georgetown Transplant Institute, Washington, DC, USA.

7:45 am  Taking Transplant Medicine to the Community: Outreach models, Communication and Educational Endeavors
Marwan Abouljoud, MD, Henry Ford Hospital, Detroit, MI, USA.

8:00 am  Panel Discussion

**Approach to Desensitization Pre and Post Heart Transplantation**

*Room 310*

**Moderators:** Monica Colvin, MD, MS, Frankel Cardiovascular Center- Michigan Medicine, Midland, MI, USA. Josef Stehlik, MD, MPH, University of Utah School of Medicine Salt Lake City, UT, USA.

7:00 am  Understanding Regulation of Antibody Production
Annette Jackson, PhD, Duke University, Durham, NC, USA.

7:20 am  Emerging Therapies for Desensitization
Jignesh Patel, MD, PhD, Cedars-Sinai, Beverly Hills, CA, USA.
7:40 am Managing De Novo DSA After Heart Transplantation
Robert Cole, MD, Emory University, Atlanta, GA, USA.

8:00 am Panel Discussion

A to Z in HIV to HIV Kidney Transplantation
Room 312
Moderators: Shirish Huprikar, MD, The Mount Sinai Hospital, New York, NY. Peter Stock, MD, PhD, University of San Francisco California, San Francisco, CA, USA.

7:00 am Getting Over the Hump: Barriers of HIV Pre-kidney Transplant Evaluation
Dong Heun Lee, MD, Drexel University, Philadelphia, PA, USA.

7:20 am Pumping Up the Pool: Soliciting HIV+ Kidney Donors
Christine Durand, MD, Johns Hopkins School of Medicine Baltimore, MD, USA.

7:40 am In the Home Stretch: Successful HIV Post-Kidney Transplant Care
Deirdre Sawkinski, MD, University of Pennsylvania, Philadelphia, PA, USA.

8:00 am Panel Discussion

Gender Disparity in Transplantation
Room 208
Moderators: Mitra Nadim, MD, FASN, University of Southern California, Los Angeles, CA, USA. Elizabeth Chua, MD,FASN, Va Baptist Medical Center, Montgomery, VA, USA.

7:00 am Donor-Recipient Gender Mismatch in Liver Transplantation
Elizabeth Pomfret, MD, PhD, University of Colorado Anschutz Medical Campus Aurora, CO, USA.

7:20 am Gender Differences in Post Transplant Outcomes
Susan Orloff, MD, FACS, Oregon Health & Science University, Portland, OR

7:40 am Access to Care and Social Determinants in Kidney Transplantation
Milda Saunders, MD, MPH, University of Chicago Medicine, Chicago, IL, USA.

8:00 am Panel Discussion

Expanding the Lung Donor Pool While Optimizing Patient Outcomes
Room 313
Moderators: Marie Budev, DO, The Cleveland Clinic, Cleveland, OH, USA. Daniel Dilling, MD, Loyola University Chicago, Stritch School of Medicine, Maywood, IL, USA.

7:00 am Using Ex Vivo Lung Perfusion for Functionally Impaired and Standard Donor Lungs
Marcelo Cypel, MD, MSc, University of Toronto, Toronto, ON.

7:15 am High Risk Donors and Post-Transplant Recipient Outcomes
Carli Lehr, MD, Cleveland Clinic, Cleveland, OH, USA.

7:30 am HIV and Hepatitis C Donors – Nuts and Bolts of How to Use Them in Lung Transplantation
Christine Koval, MD, Cleveland Clinic, Cleveland, OH, USA.

7:45 am Pushing the Envelope: When to Consider the Extended Criteria Donor?
Ken McCurry, MD, Cleveland Clinic, Cleveland, OH, USA.

8:00 am Panel Discussion

Pediatric Kidney Transplantation: Barriers to Success
Room 210
Moderators: Eileen Brewer, MD, Texas Children’s Hospital/Baylor College of Medicine, Houston, TX, USA. Rouba Garro, MD, Emory University, Atlanta, GA, USA.

7:00 am Pediatric Nonadherence
Thomas Nevins, MD, University of Minnesota Department of Pediatrics, Saint Paul, MN, USA.

7:20 am Transplanting Children with FSGS - Diagnosis, Prevention and Management of Recurrence
Priya Verghese, MD, University of Minnesota, Minneapolis, MN, USA.

7:40 am Cardiovascular Risk in Pediatric Kidney Recipients: Burden and Impact
Michael Seifert, MD, MSCI, University of Alabama School of Medicine, Birmingham, AL, USA.
8:00 am Panel Discussion

**Optimizing Management of the Metabolic Syndrome After Liver Transplantation**

Room 309
Moderators: James N Fleming, PharmD, Medical University of South Carolina, Charleston, SC, USA. Kymberly Watt, MD, Mayo Clinic, Rochester, MN, USA.

7:00 am Cardiovascular Disease Risk Factor Optimization After Liver Transplantation: Do’s, Don’ts and Drug Management (Clinician Perspective)
Lisa VanWagner, MD MSc, Northwestern Medicine, Chicago, IL, USA.

7:10 am Cardiovascular Disease Risk Factor Optimization After Liver Transplantation: Do’s, Don’ts and Drug Management (Pharmacist Perspective)
Erin Ticehurst, PharmD, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, USA.

7:20 am Audience Discussion

7:25 am Prevention and Management of Obesity After Liver Transplantation: Implications for Immunosuppression (Clinician Perspective)
Angela Fitch, MD, Massachusetts General Hospital, Boston, MA, USA.

7:35 am Prevention and Management of Obesity after Liver Transplantation: Implications for Immunosuppression (Pharmacist Perspective)
Tiffany Kaiser, PharmD, University of Cincinnati, Cincinnati, OH, USA.

7:45 am Audience Discussion

8:00 am Practical Strategies for Glucose Control and Diabetes Prevention after Liver Transplant: Where Are We Now? (Pharmacist Perspective)
Jeong Park, MS, PharmD, University of Michigan, Ann Arbor, MI, USA.

8:10 am Audience Discussion

**Sunrise Symposia: Didactic (Continental Breakfast Included)**

7:00 am – 8:15 am

**Tissue Engineering in Transplantation**

Room 302
Moderators: Jeffrey Fair, MD, University of Texas Medical Branch, Galveston, TX, USA. Jason Wertheim, MD, PhD, Northwestern University, Chicago, IL, USA.

7:00 am Nano-Intervention of Organs to Improve Outcome of Organ Transplant
Satish Nadig, MD, PhD, FACS, Medical University of South Carolina, Charleston, SC, USA.

7:20 am Audience Discussion

7:25 am Advanced Regenerative Manufacturing Institute: Technologies to Make the Tissues of Tomorrow
Su Ryon Shin, PhD, Harvard University, Cambridge, MA, USA.

7:45 am Audience Discussion

7:50 am Manufacturing a New Population of Cell Types for Organ Engineering and Transplantation
Jan Jensen, PhD, Trailhead Biosystems Inc., Cleveland, OH, USA.

8:10 am Audience Discussion

**Antibody Functions in Tissues & Regulations**

Room 304
Moderators: Melissa Yeung, MD, Harvard Medical School, Boston, MA, USA. Philip Halloran, University of Alberta, Edmonton, AB, Canada.

7:00 am Antibody Accommodation in Tissues
Elaine Reed, PhD, University of California Los Angeles Health, Los Angeles, CA, USA.

7:20 am Audience Discussion
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:25 am</td>
<td>Antibody Functionality Through Glycosylation</td>
<td>Robert Anthony, PhD, Massachusetts General Hospital &amp; Harvard School of Medicine, Boston, MA, USA.</td>
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<td>7:45 am</td>
<td>Audience Discussion</td>
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<td>7:50 am</td>
<td>Antibody Functions in Grafts</td>
<td>Emmanuel Zorn, PhD, Columbia University Medical Center, New York, NY, USA.</td>
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<td>8:10 am</td>
<td>Audience Discussion</td>
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<td><strong>Veterans Auditorium</strong></td>
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<td>8:30 AM - 9:45 AM</td>
<td>Role of Innate Allorecognition Pathways in Mouse Renal Allograft Rejection (Abstract #1)</td>
<td>D. Zhao, H. Dai, K. Abou-Daya, A. Williams, M. Oberbarnscheidt, X. Li, F. Lakkis, Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA, Houston Methodist Hospital Immunobiology &amp; Transplant Science Center, Houston, TX</td>
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<tr>
<td>9:00 AM</td>
<td>Discovery and Validation of an Early Post-Transplant Biomarker Model Predictive of Chronic Kidney Disease in Liver Transplant Recipients (Abstract #3)</td>
<td>J. Levitsky, S. Asrani, G. Klintmalm, T. Schiano, A. Moss, K. Chavin, C. Miller, L. Zhao, K. Guo, N. Bridges, J. Odim, M. Brown, D. Ikle, B. Armstrong, M. Abecassis, Gastroenterology and Hepatology, Northwestern University, Chicago, IL, Baylor, Dallas, TX, Mayo Arizona, Phoenix, AZ, Case Western, Cleveland, OH, Cleveland Clinic, Cleveland, OH, Northwestern University, Chicago, IL, NIAID, Bethesda, MD, Rho, Chapel Hill, NC, Comprehensive Transplant Center, Northwestern University, Chicago, IL</td>
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<td>9:15 AM</td>
<td>Bcl-2 Inhibition with Venetoclax Promotes Induction of Mixed Chimerism and Renal Allograft Tolerance without Severe Myelosuppression in Non-Human Primate (Abstract #4)</td>
<td>H. Sasaki, D. Ma, T. Ogra, A. Dehnadi, I. Rosales, B. Cosimi, P. Cippa, T. Fehr, T. Kawai, Surgery, Massachusetts General Hospital, Boston, MA, Pathology, Massachusetts General Hospital, Boston, MA, Medicine, University of Zurich, Zurich, Switzerland</td>
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<td>ASTS Pioneer Award</td>
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AST Lifetime Achievement Award  
10:30 am – 10:45 am  
Veterans Auditorium

Coffee Break in the Exhibit Hall  
10:45 am – 11:15 am  
Hall C/D

Midday Symposia Interactive  
11:15 am – 12:45 pm

**Personalized Medicine in Transplantation: Can We Move the Needle?**

**Room 313**  
Moderators: John Gill, PhD, University of Colorado Medicine, Aurora, CO, USA. Michelle Josephson, MD, University of Chicago Medicine, Chicago, IL, USA.

11:15 am  
**Is There a Role for More Personalized Organ Allocation/Donor and Recipient Matching?**  
John Friedewald, MD, FAST, Northwestern University, Chicago, IL, USA.

11:35 am  
**Could More Personalized Immunosuppression Work?**  
Eugene DePasquale, MD, UCLA Health, Santa Monica, CA, USA.

11:55 am  
**What is the iBox and How Can it Help?**  
Alexandre Loupy, MD, PhD, Paris Transplant Group, Paris, France.

12:15 am  
**Can Omics Assist Us in Moving Personalized Medicine in Transplantation?**  
Minni Sarwal, PhD, MD, UCSF, San Francisco, CA, USA.

12:35 pm  
Panel Discussion

**Lung Transplantation: From Bench to Bedside and Back**

**Room 206**  
Moderators: Scott Palmer, MD, MHS, Duke University, Durham, NC, USA. Jonathan Singer, MD, MS, University of California San Francisco, San Francisco, CA, USA.

11:15 am  
**Basic Mechanisms of Lung Transplant Rejection: New Insights from Pre-Clinical Models**  
Daniel Kreisel, MD, PhD, Washington University, St Louis, MO, USA.

11:30 am  
**Acute and Humoral Rejection After Lung Transplantation: Risk Factors and Mechanisms**  
Ramsey Hachem, MD, Washington University School of Medicine, St. Louis, MO, USA.

11:45 am  
**CLAD: Emerging Phenotypes and New Insights into Mechanisms and Treatments**  
John Belperio, MD, UCLA, Los Angeles, CA, USA.

12:00 pm  
**Lung Transplantation and the Microbiome**  
Sangeeta Bhorade, MD, Northwestern-Feinberg School of Medicine, Chicago IL, USA.

12:15 pm  
**The Unique Problem of CMV in Lung Transplant: Challenges and Solutions**  
Laurie Snyder, MD, MHS, Duke University, Durham, NC, USA.

12:30 pm  
Panel Discussion

**Are Donors After Cardiac Death Underutilized in Pediatric Transplant Recipients?**

**Room 210**  
Moderators: Walter Andrews, MD, Children’s Mercy Hospital, Kansas City, MO. Amy Gallo, MD, Stanford University, Palo Alto, CA, USA.

11:15 am  
**A Historical Look at the Use of Donors After Cardiac Death in Pediatric Liver and Kidney Transplant**  
Christine Hwang, MD, UT Southwestern Medical Center, Dallas, TX, USA.
11:30 am Debate - Pro: Using Donors after Cardiac Death in Pediatric Liver and Kidney Transplant Recipients
Jorge Reyes, MD, University of Washington, Seattle, WA, USA.

11:45 am Debate - Con: Using Donors after Cardiac Death in Pediatric Liver and Kidney Transplant Recipients
Paul Grimm, MD, Stanford University, Stanford, CA, USA.

12:00 am Rebuttal: Pro
Jorge Reyes, MD, University of Washington, Seattle, WA, USA.

12:15 am Rebuttal: Con
Paul Grimm, MD, Stanford University, Stanford, CA, USA.

12:30 pm Panel Discussion

**Personalized Immunosuppression and Infectious Risk: Joint ATC-ESCMID/ESOT Session**

**Ballroom B**
Moderators: Oriol Manuel, MD, University Hospital of Lausanne, Lausanne, Switzerland. Nicolas Mueller, MD, University Hospital Zurich, Zurich, Switzerland.

11:15 am Underlying Infectious Risk: Genetics
Pierre-Yves Bochud, MD, Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland.

11:35 am Audience Discussion

11:45 am Acquired Infectious Risk: Impact of Standard & Novel Immunosuppression (Proteosomes, Checkpoint Inhibitors, CAR-T)
Jay Fishman, MDM, Massachusetts General Hospital-Harvard Medical School, Boston, MA, USA.

12:05 pm Audience Discussion

12:15 pm Measuring “Net State” and Pathogen-Specific Immunity
Oriol Manuel, MD, CHUV, Lausanne, Suisse.

12:35 pm Audience Discussion

**Controversies in KPD**

**Room 302**
Moderators: Marian Charlton, RN, SRN, New York Presbyterian-Weill Cornell Medicine, New York, NY, USA. Jeffrey Veale, MD, UCLA, Los Angeles, CA, USA.

11:15 am Debate - Pro: Family Vouchers: Expanding Kidney Transplantation and the Next Great Thing!
Matthew Cooper, MD, Professor of Surgery, Washington, DC, USA.

11:35 am Debate - Con: Family Vouchers: Coercion and the End of Non-Directed Donation!
Keren Ladin, PhD, MSc, Tufts University, Medford, MA, USA.

11:55 am Pro: Rebuttal
Matthew Cooper, MD, Professor of Surgery, Washington, DC, USA.

12:10 pm Con: Rebuttal
Keren Ladin, PhD, MSc, Tufts University, Medford, MA, USA.

12:25 pm Audience Discussion

**Midday Symposia: Didactic**

11:15 am – 12:45 pm

**When to Sound the Alarm: Tough Risk-Benefit Decisions for Journals, Pharma and the FDA**

**Room 310**
Moderators: Flavio Vincenti, MD, UCSF, San Francisco, CA, USA. Shirish Huprikar, MD, The Mount Sinai Hospital, New York, NY, USA.

11:15 am The Role of the Journal in Keeping the Public Informed
Lindsey Baden, MD, Brigham and Women’s Hospital, Boston, MA.

11:35 am Audience Discussion

11:45 am Decision Making in Drug Development
Karen Smirnakis, MD, PhD, Vice President, Head of Global Medical Safety, Global Safety and Regulatory Sciences, Biogen, Cambridge, MA, USA.

12:05 pm Audience Discussion
12:15 pm  How the FDA Assess Risk and Benefits
Edward Cox, MD, MPH, U.S. Food and Drug Administration, Silver Spring, MD, USA.

12:35 pm  Audience Discussion

T Cell Mediated Rejection: Where are we in 2019?
Veterans Auditorium
Moderators: Sundaram Hariharan, MD, Starzl Transplant Institute, Pittsburgh, PA. David Rush, MD, University of Manitoba, Winnipeg, MB, Canada.

11:15 am  Borderline Rejection After Kidney Transplantation - Is it Borderline?
Rajil B. Mehta, MD, FASN, University of Pittsburgh Medical Center, Pittsburgh, PA, USA.

11:35 am  Audience Discussion

11:45 am  Impact of HLA Epitope Matching on T-Cell Mediated Rejection
Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, MB, Canada.

12:05 pm  Audience Discussion

12:15 pm  Cross Talk Between B and T Cells and its Influence on TCMR
Arjang Djamali, MD, MS, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA.

12:35 pm  Audience Discussion

Renal Issues in Cardiac Transplantation
Room 208
Moderators: Teresa DeMarco, MD, University of California, San Francisco, San Francisco, CA, USA. Indranee Rajapreyar, MD, University of Alabama Birmingham, Birmingham, AL, USA.

11:15 am  Assessing the Need for Heart Versus Combined Cardiac and Kidney Transplantation in Systolic Heart Failure Patients with Chronic Kidney Disease: A Transplant Cardiologist’s Perspective
Monica Colvin, MD, MS, Frankel Cardiovascular Center- Michigan Medicine, Midland, MI, USA.

11:35 am  Assessing the Need for Heart Versus Combined Cardiac and Kidney Transplantation in Systolic Heart Failure Patients with Chronic Kidney Disease: A Transplant Nephrologist’s Perspective
Roy Bloom, MD, University of Pennsylvania, Philadelphia, PA, USA.

11:55 am  Timing of Renal Transplantation After Cardiac Transplantation in Listed Heart and Kidney Recipients
Steve Bynon, MD, Memorial Hermann Texas Medical Center, Houston, TX, USA.

12:15 pm  Renal Protective Strategies After Cardiac Transplantation
Jose Tallaj, MD, University of Alabama Birmingham School of Medicine, Birmingham, AL, USA.

12:35 pm  Panel Discussion

Bench to Bedside: B Cells in Transplantation
Room 304
Moderators: Kenneth Newell, MD, PhD, Emory University, Atlanta, GA, USA. William Burlingham, PhD, University of Wisconsin, Madison, WI, USA.

11:15 am  Basic: B Cells in Antigen Presentation
Anita Chong, PhD, The University of Chicago, Chicago, IL.

11:35 am  Audience Discussion

11:45 am  Translational - Blunting Damage from Pre-Transplant DSA
E. Steve Woodle, MD, University of Cincinnati, Cincinnati, OH, USA.

12:05 pm  Audience Discussion

12:15 pm  Clinical: Breg Therapy: Is Now the Time?

12:35 pm  Audience Discussion
EBV and Post-Transplant Lymphoproliferative Disease: Emerging Data & Pediatric Consensus Guidelines

Ballroom C
Moderators: Vikas Dharnidharka, MD, MPH, Washington University School of Medicine, St. Louis, MO, USA. Michael Green, MD, MPH, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA.

11:15 am  New Understandings of Pathogenesis and Immune Response to Epstein Barr Virus Infection and EBV-Associated PTLD in Solid Organ Transplant Recipients
Olivia Martinez, PhD, Stanford University School of Medicine, Stanford, CA, USA.

11:35 am  Audience Discussion

11:45 am  Persistent EBV Viremia: Lend Me a Hand
Upton Allen, MBBS, MSc, Sick Kids- The Hospital of Sick Children, Toronto, ON.

12:05 pm  Audience Discussion

12:15 pm  The International Pediatric Transplant Association’s EBV/PTLD Consensus Guidelines
Steve Webber, MBChB, Vanderbilt University School of Medicine, Nashville, TN, USA.

12:35 pm  Audience Discussion

Revisiting DOAC Anticoagulation in Transplantation

Room 312
Moderators: Jeong Park, MS, PharmD, University of Michigan, Ann Arbor, MI, USA. Georgina Waldman, PharmD, Heart Transplant at Massachusetts General Hospital, Boston, MA, USA.

11:15 am  Optimizing DOAC therapy in Pre-and Post-Transplant Patients
David M. Salerno, PharmD, New York-Presbyterian Hospital, New York, NY, USA.

11:40 am  Measuring and Reversal of DOACs
Alicia Lichvar, PharmD, BCPS, College of Pharmacy-Chicago Rockford, Chicago, IL, USA.

12:05 pm  Challenging Pre-Transplant Cases and DOAC Management
Patrick Klem, PharmD, University of Colorado Hospital, Denver, CO, USA.

12:30 pm  Audience Discussion

Tipping the Scale in Our Favor: The Steatotic Donor Liver

Room 311
Moderators: Kristopher Croome, MD, Mayo Clinic Florida, Jacksonville, FL, USA. Jean Edmond, MD, Columbia University, New York, NY, USA.

11:15 am  How much Steatosis is There? The Donor Frozen Section Biopsy
Oyedele Adeyi, MD, FCAP, University of Toronto, Toronto, Ontario.

11:35 am  Audience Discussion

11:45 am  Macrosteatosis: How Far Can You Go?
George Loss, MD, FACS, Ochsner Health System, New Orleans, LA, USA.

12:05 pm  Audience Discussion

12:15 pm  ASTS Scientific Studies Committee: Multicenter Trial in the Standardization of Steatosis
Benjamin Philosophe, MD, Johns Hopkins Hospital, Baltimore, MD, USA.

12:35 pm  Audience Discussion

Silent Chronic Graft Injury After Liver Transplantation: Evidence for TCMR and/or AMR?

Room 309
Moderators: John Levisky, MD, Northwestern, Chicago, IL. Jacqueline O’Leary, MD, MPH, UT Northwestern, Dallas, TX, USA.

11:15 am  Antibody-Mediated Rejection: Can We Confidently Diagnose and Treat It Yet?
Patricia Campbell, MBChB, FRCP(C), University of Alberta, Edmonton, AB, Canada.

11:35 am  Audience Discussion

11:45 am  Inflammation and Fibrosis in Clinically Ideal Liver Transplant Recipients: The Tip of the Iceberg?
Sandy Feng, MD, PhD, UCSF, San Francisco, CA, USA.
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<td>Platelets in the Immune Response</td>
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<td>11:15 am</td>
<td>Immune Regulatory Role of Platelets Craig Morrell, DVM, PhD, University of Rochester, Rochester, NY, USA.</td>
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<td>11:45 am</td>
<td>Platelets as Inflammatory Mediators Karin Hoffmeister, MD, Blood Research Institute, Milwaukee, WI, USA.</td>
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<td>12:15 pm</td>
<td>Platelets in Alloimmune Rejection William W. Baldwin, III, MD, PhD, Lerner Research Institute Cleveland Clinic, Cleveland, OH, USA.</td>
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<td>Luncheon Workshops (Additional Fee)</td>
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<td>11:15 am</td>
<td>Tregs Optimization Wayne Hancock, MD, PhD, University of Pennsylvania &amp; Children’s Hospital of Philadelphia, Philadelphia, PA, USA.</td>
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<td>Treg Survival and Death Jamil Azzi, MD, Harvard Medical School, Boston, MA, USA.</td>
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<td>Tregs on Trial Qizhi Tang, PhD, UCSF, San Francisco, CA, USA.</td>
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**Break**

12:45 pm – 1:00 pm

**Sponsored Satellite Symposia**

1:00 pm – 2:15 pm

Satellite Symposia are open to all registered Congress attendees. Satellite Symposia take place at the Sheraton Boston Hotel. Please check the ATC website, www.atcmeeting.org, or ATC mobile app (ATC19) for the full Satellite Symposia program listing.

**Luncheon Workshops (Additional Fee)**

1:00 pm – 2:15 pm

**Obesity in Kidney Transplantation: Donors and Recipients**

Room 109

Moderators: Tayyab Diwan, MD, University of Cincinnati, Cincinnati, OH, USA. Jayme Locke, MD, MPH, University of Alabama at Birmingham, Birmingham, AL, USA.

**New Transplant Medical Director: Roles, Responsibilities & Challenges**

Room 110

Moderators: Francis Weng, MD, Saint Barnabas Medical Center, Livingston, NJ, USA. Christian Larsen, MD, Emory University, Atlanta, GA, USA.

**Differentiating ‘Difficult Patients’ and ‘Patients in Difficult Situations’ in Urgent Organ Failure**

Cafe, Across from Hall A Registration

Moderators: Kristin Kuntz, PhD, The Ohio State University Wexner Medical Center, Columbus, OH, USA. Heather Bruschein, PsyD, University of Virginia, Charlottesville, VA, USA.

**Where Have You Been All My Life? The Living Donor with Infectious Disease**

Room 108

Moderators: Ricardo La Hoz, MD, UT Southwestern Medical Center, Dallas, TX, USA. Clarisse Machado, PhD, Institute of Tropical Medicine, University of Sao Paulo, Sao Paulo, Brazil.
Transplantation In Depth (Basic) The Next New Thing-Basic Pathways to Emerging Therapeutics

1:30 pm – 4:00 pm

Room 302
Moderators: Maria-Lusia Alegre, MD, PhD, The University of Chicago, Chicago, IL, USA. Jerzy Kupiec-Weglinkski, MD, PhD, UCLA, Los Angeles, CA, USA.

1:30 pm  TNF alpha
Peter Heeger, MD, Icahn School of Medicine at Mount Sinai, New York City, NY, USA.

1:50 pm  Audience Discussion

2:00 pm  CAR T Cells
Megan Levings, PhD, University of British Columbia, Vancouver, BC, Canada.

2:20 pm  Audience Discussion

2:30 pm  Epigenetic Drugs and Immune Regulation
Wayne Hancock, MD, PhD, University of Pennsylvania & Children’s Hospital of Philadelphia, Philadelphia, PA, USA.

2:50 pm  Audience Discussion

3:00 pm  Trained Immunity in Macrophages - Relevance to Transplant
Jordi Ochando, PhD, Mount Sinai, New York, NY, USA.

3:20 pm  Audience Discussion

3:30 pm  Nanobodies in Immune Regulation
Andrew Woodham, PhD, Harvard Medical School - Boston Children’s Hospital, Boston, MA, USA.

3:50 pm  Audience Discussion

Break
2:15 pm – 2:30 pm

Concurrent Oral Abstract Sessions
2:30 pm – 4:00 pm

Kidney Complications: Late Graft Failure I

Veterans Auditorium
Chairs: D. Cohen, Columbia University Med Ctr, New York, NY and V. Kirchner, University of Minnesota, Minneapolis, MN

2:30 PM  Impact of Glomerulitis at 4-Month Biopsy on Long Term Kidney Allograft Outcomes (Abstract #5)
M. Whigham, G. Mour, M. Buras, S. Sukumaran Nair, A. Jaramillo, D. Ramon, R. Heilman, Mayo Clinic, Phoenix, AZ

2:42 PM  Population-Based Modeling of Prototypes and Determinants of Allograft Function Trajectories after Kidney Transplantation: Impact for Patient Monitoring and Risk Stratification (Abstract #6)

2:54 PM  Mortality and Morbidity in Kidney Transplant Recipients with a Failing Graft (Abstract #7)
N. N. Lam1, D. J. Boyne2, R. R. Quinn2, P. C. Austin3, B. R. Hemmelgarn2, P. Campbell1, G. A. Knoll1, L. Tibbles2, S. Yilmaz2, H. Quan2, P. Ravani2, “University of Alberta, Edmonton, AB, Canada, University of Calgary, Calgary, AB, Canada, ICES, Toronto, ON, Canada, University of Ottawa, Ottawa, ON, Canada
3:06 PM  Room for Optimism; Improvement in Long-Term Patient and Graft Survival of Kidney Transplants in the United States over the past Three Decades (Abstract #8)
C. Wu, A. Rana, N. Galvan, C. O’Mahony, J. Goss, B. Murthy, Division of Abdominal Transplantation, Baylor College of Medicine, Houston, TX

3:18 PM  The Graft and Patient Survival of Kidney Transplantation According to Ethnicity in US Kidney Transplant Recipients (Abstract #9)
H. Shin¹, Y. Kim¹, Y. Jung¹, H. Rim¹, A. Chandraker², ¹Internal Medicine, Kosin University College of Medicine, Gospel Hospital, Busan, Korea, Republic of, ²Internal Medicine, Harvard Medical School Brigham & Women’s Hospital, Boston, MA

3:30 PM  CMV Risk Status Remains a Relevant Risk Factor for Long-Term Outcomes (Abstract #10)
G. Karadkhele, W. Zhang, C. P. Larsen, Emory University, Atlanta, GA

3:42 PM  Bisphosphonates Effectively Improve the Long-Term Renal Transplant Outcomes; A Single Center Retrospective Study (Abstract #11)
S. Song¹, K. Huh², H. Choi², J. Lee², D. Kim², Y. Kim², M. Kim², S. Kim², D. Joo², B. Kim³, ¹Surgery, Ewha Womans University, Seoul, Korea, Republic of, ²Surgery, Yonsei University College of Medicine, Seoul, Korea, Republic of, ³Internal Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of

Kidney Deceased Donor Allocation I
Ballroom B
Chairs: L. Kayler, Erie County Medical Center, Buffalo, NY and R. Parsons, Emory University School of Medicine, Atlanta, GA

2:30 PM  National Landscape of Hope Act Transplant Candidates and Recipients in the United States (Abstract #12)
A. R. Wilk¹, R. Hunter², M. A. McBride², D. K. Klassen³, ¹Research, United Network for Organ Sharing, Richmond, VA, ²United Network for Organ Sharing, Richmond, VA

2:42 PM  Regional Disparities In The Transplant Rates Across Unos Regions Pre- And Post-kidney Allocation System Policy Implementation (Abstract #13)
A. C. Perez-Ortiz, E. Heher, N. Elias, Massachusetts General Hospital, Boston, MA

2:54 PM  Changes in Kidney Offer Acceptance for Pediatric Candidates Post-KAS (Abstract #14)
M. Bowring, K. Jackson, J. Garonzik-Wang, D. Segev, A. Massie, Johns Hopkins University, Baltimore, MD

3:06 PM  Impact of Donor Hepatitis C Virus Infection on Kidney Transplant Outcomes in the Direct Acting Antiretroviral Era: Time to Revise the KDPI? (Abstract #15)
R. M. Cannon, E. G. Davis, L. Mackelaite, H. Dave, M. Eng, C. M. Jones, University of Louisville, Louisville, KY

3:18 PM  Exploring the Drivers of the Early Decline in One-Year Patient Survival after KAS (Abstract #16)
K. Lindblad, A. Wilk, D. Stewart, UNOS, Richmond, VA
3:30 PM  Longer-Term Outcomes for Hepatitis C Virus Negative Recipients of Kidneys from Hepatitis C Virus Nucleic Acid Test Positive Donors: The THINKER Trial (Abstract #17)
P. Reese¹, P. Abt¹, E. Blumberg¹, R. Bloom¹, D. Sawinski¹, P. Porrett¹, A. Woodards¹, K. Reddy¹, V. van Deerlin¹, R. Hasz², M. Levine¹, R. McLean¹, A. Sicilia¹, D. Goldberg¹, ¹University of Penn, Philadelphia, PA, ²Gift of Life, Philadelphia, PA

3:42 PM  Accelerating Kidney Allocation: Simultaneously Expiring Offers (Abstract #18)
M. Kosztowski¹, M. Mankowski², S. Raghavan³, J. Garonzik-Wang¹, D. Axelrod⁴, D. L. Segev¹, S. E. Gentry¹, ¹Johns Hopkins University, Baltimore, MD, ²King Abdullah University of Science and Technology, Thuwal, Saudi Arabia, ³University of Maryland, College Park, MD, ⁴University of Iowa, Iowa City, IA

2:30 PM  Transplantation of Kidneys from Hepatitis C Infected Donors to Hepatitis C Negative Recipients (Abstract #19)

2:42 PM  Hope in Action: A Multicenter Prospective Study of HIV to HIV Kidney Transplantation (Abstract #20)
C. Durand⁰, S. Huprikar⁰, M. Bowring⁰, D. Brown⁰, B. Haydel⁰, N. Desai⁰, F. Naqvi⁰, R. Friedman-Moraco⁰, N. Turgeon⁰, V. Stosor⁰, J. Charette⁰, S. Mehta⁰, J. Husson⁰, A. Gilbert¹⁰, M. Cooper¹¹, C. Butkus-Small¹², G. Gupta¹³, S. Mehta¹⁴, O. Adebiyi¹⁵, P. Chin-Hong¹⁶, P. Stock¹⁷, A. Massie³, S. Florman⁴, D. Segev⁵, ¹Medicine, Johns Hopkins University, Baltimore, MD, ²Medicine, Mount Sinai, New York, NY, ³Surgery, Johns Hopkins University, Baltimore, MD, ⁴Surgery, Mount Sinai, New York, NY, ⁵Medicine, Emory University, Atlanta, GA, ⁶Surgery, Emory University, Atlanta, GA, ⁷Medicine, Northwestern University, Chicago, IL, ⁸Medicine, University of Alabama, Birmingham, AL, ⁹Medicine, University of Maryland, Baltimore, MD, ¹⁰Medicine, Georgetown University, Washington DC, DC, ¹¹Department of Surgery, Georgetown University, Washington DC, DC, ¹²Medicine, Cornell University, New York, NY, ¹³Medicine, Virginia Commonwealth University, Richmond, VA, ¹⁴Medicine, New York University, New York, NY, ¹⁵Medicine, Indiana University, Indianapolis, IN, ¹⁶Medicine, University of California at San Francisco, San Francisco, CA, ¹⁷Surgery, University of California at San Francisco, San Francisco, CA

2:54 PM  Hope Act Donors With Organs Recovered For Transplant: The First Two Years (Abstract #21)
W. A. Werbel, O. Kusemiju, B. Barnaba, M. Bowring, B. Doby, C. Kirby, R. Fernandez, Y. Eby, J. Miller, D. Brown, S. Seaman, D. Ostrander, A. Tobian, D. Segev, C. M. Durand, Johns Hopkins University, Baltimore, MD
3:06 PM Outcomes in Non-A1 and Non-A1 B to B Deceased Donor Renal Transplantation Are Comparable to B Donor Renal Transplants (Abstract #22)
A. Brar, L. Kwon, A. Gruessner, F. Tedla, R. Gruessner, N. Sumrani, D. John, J. Renz, M. O. Salifu, SUNY Downstate Medical Center, Brooklyn, NY

3:18 PM Did COIIN Cohort A Maintain Graft Survival Performance While Increasing Moderate to High KDPI Transplants? (Abstract #23)
J. Foutz, R. J. Carrico, K. Sisaithong, H. Tosoc-Haskell, D. Klassen, Research, United Network for Organ Sharing, Richmond, VA

3:30 PM Significant Increase in Moderate to High KDPI Kidney Transplants Using a Multi-Operational Approach: Results from the COIIN (Collaborative Innovation and Improvement Network) Initiative (Abstract #24)
T. Pesavento, J. Foutz, K. Sisaithong, D. Klassen, L. Stillion, A. Rajab, R. Pelletier, K. Washburn, H. Tosoc-Haskell, 1Ohio State University, Columbus, OH, 2UNOS, Richmond, VA, 3Robert Wood Johnson, New Brunswick, NJ


Kidney Immunosuppression: Desensitization

Ballroom A
Chairs: A. Djamali, University of Wisconsin-Madison, Madison, WI and A. Vo, Cedars Sinai Medical Ctr, Los Angeles, CA

2:30 PM Costimulation Blockade Modulates Humoral Responses in Highly Sensitized Transplant Recipients (Abstract #26)

2:42 PM Evaluation of the Safety and Tolerability of Clazakizumab® (Anti-IL-6 Monoclonal) as a Desensitization Agent in Highly-HLA Sensitized ESRD Patients (nct03380962) (Abstract #27)

2:54 PM Long-Term Outcomes of Eculizumab-Treated Positive Crossmatch Recipients: Allograft Survival, Histologic Findings, and Natural History of the Donor-Specific Antibodies (Abstract #28)
C. Schinstock, A. Bentall, S. Byron, L. Cornell, M. Everly, M. Gandhi, M. Stegall, Mayo Clinic, Rochester, MN
3:06 PM  
Safety and Efficacy of Imlifidase in Highly-Sensitized Kidney Transplant Patients: Results from a Phase 2 Study (Abstract #29)  
S. C. Jordan¹, C. Legendre², N. Desai³, T. Lorant¹, M. Bengtsson⁴, L. Laxmyr⁴, B. Lonze⁴, A. Vo¹, K. J. Wood², C. Kjellman⁵, R. A. Montgomery⁶, ¹Cedars-Sinai Medical Center, Los Angeles, CA, ²Hopital Necker, Paris, France, ³Johns Hopkins University, Baltimore, MD, ⁴Uppsala University, Uppsala, Sweden, ⁵Hansa Medical AB, Lund, Sweden, ⁶NYU Langone Health Transplant Institute, New York, NY, ⁷University of Oxford, Oxford, United Kingdom

3:18 PM  
Anti-HLA IgM Antibodies Are Reduced in Highly-HLA Sensitized Patients Transplanted after Imlifidase (IdeS) Treatment (Abstract #30)  
X. Zhang¹, S. Jordan², ¹HLA and Immunogenetics Laboratory, Comprehensive Transplant Center, Cedars-Sinai Health System, Los Angeles, CA, ²Comprehensive Transplant Center, Cedars-Sinai Health System, Los Angeles, CA

3:30 PM  
Eight-Year Outcomes Following ABO-Incompatible Kidney Transplantation Performed after Desensitization by Antigen-Unspecific Immunoabsorption Devices (Abstract #31)  
C. Speer¹, F. Käble¹, L. Pego da Silva¹, C. Nusshag¹, M. Schaier¹, C. Süsal², C. Sommerer¹, M. Zeier¹, C. Morath¹, ¹Nephrology, University of Heidelberg, Heidelberg, Germany, ²Immunology, University of Heidelberg, Heidelberg, Germany

3:42 PM  
Bortezomib Based Induction Therapy Decreases Delayed Graft Function in High Risk Kidney Transplantation (Abstract #32)  
K. Mahendran¹, N. Koizumi², J. K. Melancon¹, ¹Transplant Institute, The George Washington University, Washington, DC, ²Schar School of Policy and Government, George Mason University, Arlington, VA

Kidney Technical

Room: 304  
Chairs: N. Turgeon, Emory University, Atlanta, GA and R. Heilman, Mayo Clinic, Phoenix, AZ.

2:30 PM  
Robotic-Assisted versus Open Techniques for Living Donor Kidney Transplant Recipients: A Comparison Using Propensity Score Analysis (Abstract #33)  
F. Tinney, J. Stracke, S. Nagai, L. Malinzak, T. McEvoy, S. Mohamed Ilias, A. Yoshida, Transplant Institute, Henry Ford Hospital, Detroit, MI

2:42 PM  
Single Cell Sequencing of Human Kidney Allograft (Abstract #34)  
H. Yang¹, H. Suryawanshi², M. Lagman¹, M. Lubetzky¹, A. Alonso¹, S. Seshan¹, T. Tuschi², M. Suthanthiran¹, T. Muthukumar¹, ¹Weill Cornell Medicine, New York, NY, ²Rockefeller University, New York, NY

2:54 PM  
A. M. Elsabbagh, I. Ghoneim, A. Moiz, D. Mckenney, M. A. Zawaideh, St. Vincent Abdominal Transplant Center, St. Vincent Hospital, Indianapolis, IN

3:06 PM  
Robotic Assisted Kidney Transplant Outcomes in Obese Candidates (Abstract #36)  
I. G. Tzvetanov, K. A. Tulla, O. T. Okoye, C. Di Bella, P. Di Cocco, J. A. Almario Alvarez, M. Spaggiari, E. Benedetti, University of Illinois at Chicago, Chicago, IL

3:18 PM  
Simultaneous Robotic Kidney Transplantation and Bariatric Surgery for Morbidly Obese Patients with End-Stage Renal Failure (Abstract #37)  
P. West-Thielke, K. A. Tulla, O. T. Okoye, J. A. Almario Alvarez, M. Spaggiari, I. G. Tzvetanov, E. Benedetti, University of Illinois at Chicago, Chicago, IL
3:30 PM  Robotic-Assisted versus Open-Kidney Transplantation in Non-Obese Recipients (Abstract #38)
P. R. Modi, B. Pal, S. Singla, R. Chauhan, V. Kothari, A. Mishra, M. Modi, B. Butala, V. Kute, H. Patel, V. Trivedi, Transplantation Surgery and Urology, Institute of Kidney Diseases and Research Centre, Ahmedabad, India

A. S. Naik1, Y. Huang2, D. M. Cibrik3, E. Shaban1, M. McGuire1, C. Boyer1, S. P. Norman1, 1Internal Medicine/Nephrology, Univ of Michigan Medical Ctr, Ann Arbor, MI, 2Internal Medicine/Nephrology, Univ of California Davis, Sacramento, CA, 3Internal Medicine/Nephrology, Kansas University Medical Center, Kansas City, KS

Liver: Immunosuppression and Rejection

Room: 312
Chairs: M. Russo, and Carolinas Medical Center, Charlotte, NC and S. Feng, University of California, San Francisco, San Francisco, CA

2:30 PM  Early Use of Everolimus Plus Reduced Tacrolimus vs Standard Tacrolimus in De Novo Liver Transplant Recipients: 12 Months Efficacy and Safety Data from HEPHAISTOS Study (Abstract #40)
B. Nashan1, P. Schemmer1, H. Schlitt1, A. Pascher1, C. Klein1, U. Neumann1, I. Kroeger2, P. Wimmer2, F. Braun1, 1Study Group, Hephaistos, Germany, 2Novartis Pharma GmbH, Nuernberg, Germany

2:42 PM  IgG4 Subclass Class 2 Donor Specific Antibody (DSA) is Associated with Subclinical Rejection in Stable Pediatric Liver Transplant (LT) Recipients with Normal Liver Tests (Abstract #41)
A. Jackson1, S. Kanaparthi2, B. Burrel2, D. Lucas3, R. Vega4, A. J. Demetris5, S. Feng6, 1Surgery, Duke University, Durham, NC, 2The Immune Tolerance Network, Bethesda, MD, 3Immune Tolerance Network, Bethesda, MD, 4Medicine, Johns Hopkins University, Baltimore, MD, 5Pathology, University of Pittsburgh, Pittsburgh, PA, 6Surgery, University of California San Francisco, San Francisco, CA

2:54 PM  Frailty Associated with Increased Rates of Acute Cellular Rejection within 3 Months after Liver Transplantation (Abstract #42)
L. Fozouni, A. Lebsack, Y. Mohamad, C. Freise, P. Stock, J. Lai, UCSF, San Francisco, CA

3:06 PM  Late Acute Rejection Increases Risk Of Graft Failure In LdlT Recipients: Data From The A2all Cohort (Abstract #43)

3:18 PM  Impact Of Delayed Kidney Transplantation On Positive Crossmatch Liver Kidney Transplantation (Abstract #44)
Z. Rokop, C. Kubal, B. Ekser, R. Mangus, J. Fridell, P. Mihaylov, W. Goggins, Department of Surgery, Indiana University Hospital, Indianapolis, IN

3:30 PM  Early Tacrolimus Trough Concentration Variability Could Predict Rejection in Pediatric Liver Transplantation: A Single-Center and Retrospective Research (Abstract #45)
G. Gu, Q. Xia, Renji Hospital, Shanghai, China
3:42 PM Molecular Analysis of Rejection and Injury in Human Liver Transplant Biopsies: First Results of the INTERLIVER Study (Abstract #46)
P. F. Halloran and The INTERLIVER Study Group, University of Alberta, Edmonton AB, AB, Canada

PTLD/Malignancies: All Topics
Room: 311
Chairs: O. Martinez, Stanford University Sch of Med, Stanford, CA and U. Allen, University of Toronto, Toronto, ON, Canada

2:30 PM Risk Factors for 1-5 Year De Novo Cancers after Kidney Transplant (KTx) with First-Year Immunosuppression (IS) Data: An Analysis of the Choosing Immune Suppression by Efficacy and Morbidity (CISTEM) Study (Abstract #47)
V. Dharnidharka¹, D. Axelrod², Z. Zhang³, M. Schnitzler³, K. Lentine³, B. Kasiskie⁴, ¹Washington Univ, St. Louis, MO, ²Univ of Iowa, Iowa City, IA, ³Saint Louis Univ, St. Louis, MO, ⁴SRTR, Minneapolis, MN

2:42 PM Lower Incidence of Posttransplant Malignancies under Vitamin D (Calcidiol) Treatment in Kidney Transplantation (Abstract #48)
I. Revuelta¹, V. Tubita¹, J. Ugalde¹, D. Cucchiari¹, F. Oppenheimer¹, F. Diekmann¹, J. Campistol¹, J. Torregrosa¹, ¹Department of Nephrology and Kidney Transplant, Hospital Clinic, Barcelona, Spain, ²Experimental Laboratory of Nephrology and Kidney Transplant, IDIBAPS, Barcelona, Spain

2:54 PM Lower Rates of Epstein-Barr Virus Viremia and Post-Transplant Lymphoproliferative Disease in Pediatric Solid Organ Transplant Recipients Who Received Valganciclovir Prophylaxis (Abstract #49)
E. A. Moulton¹, M. Karandikar², S. Bond³, S. Burchett³, T. Sharma³, F. M. Marty³, ¹Baylor College of Medicine, Houston, TX, ²Boston Children’s Hospital, Boston, MA, ³Brigham and Women’s Hospital, Boston, MA

3:06 PM Regulation of Host microRNA Expression by Natural Variants of Epstein Barr Virus (EBV) Latent Membrane Protein 1 (LMP1) (Abstract #50)
O. Hatton¹, A. Harris-Arnold², A. Hui², E. Maloney², S. M. Krams³, O. M. Martinez³, ¹Molecular Biology, Colorado College, Colorado Springs, CO, ²Program in Immunology and Department of Surgery, Stanford University, Stanford, CA

3:18 PM Mass Cytometry-Based Characterization of Adaptive Immunity in Transplant Recipients with Self-Limiting or Chronic EBV Viremia (Abstract #51)
V. H. Ferreira¹, C. J. Guidos², A. Humar¹, D. Kumar¹, ¹UHN, Toronto, ON, Canada, ²SickKids Research Inst, Toronto, ON, Canada

3:30 PM Immune Cell Types and Host Gene Signatures Associated with Epstein-Barr Virus (EBV) Post-Transplant Lymphoproliferative Disorder (PTLD) (Abstract #52)
J. Toh¹, F. Vallania¹, W. A. Haynes¹, G. Bhaga², F. E. Craig³, S. H. Swerdlow⁴, T. Toussey⁴, S. M. Krams⁴, P. Khatri⁴, O. M. Martinez¹, ¹Stanford University School of Medicine, Stanford, CA, ²Columbia University Medical Center, New York, NY, ³Mayo Clinic College of Medicine, Phoenix, AZ, ⁴University of Pittsburgh School of Medicine, Pittsburg, PA, ⁵Katholieke Universiteit Leuven, Leuven, Belgium

3:42 PM Ex-Vivo Perfusion Mediated Delivery of Rituximab to Clear Latent Epstein-Barr Virus (Abstract #53)
T. Ku, M. Cypel, R. V. Ribeiro, V. H. Ferreira, D. Kumar, A. Humar, UHN, Toronto, ON, Canada
Biomarkers, Immune Monitoring and Outcomes I

Room: 306
Chairs: T. Muthukumar, NY.

2:30 PM An 8-Gene Expression Assay in Peripheral Blood for Diagnosis of Antibody-Mediated Rejection after Kidney Transplantation (Abstract #54) E. Van Loon¹, S. Gazut², S. Yazdani³, E. Lerut¹, H. de Loo³, M. Coemans¹, L. Noël¹, L. Thorrez², L. Van Lommel¹, F. Schuit¹, D. Lambrechts¹, T. Van Brussel¹, B. Sprangers¹, D. Kuypers¹, M. Essig⁴, W. Gwinner⁵, D. Anglicheau⁶, P. Marquet⁷, M. Naesens¹, ¹Catholic University Leuven, Leuven, Belgium, ²CEA, Gif-sur-Yvette, France, ³Necker-Enfants Malades Institute, Paris, France, ⁴CHU Limoges, Limoges, France, ⁵Hannover Medical School, Hannover, Germany, ⁶Paris Descartes, Sorbonne Paris Cité University, Paris, France, ⁷RTRS Centaure, Necker Hospital, Paris, France

2:42 PM NK Cells Are Associated with Alloimmune Failure in Transplanted Children (Abstract #55) E. T. Chambers¹, O. Martinez², M. Robien³, C. Chari³, R. Ettinger³, P. Grimm³, H. Lee³, E. Reed³, L. Stempora⁶, M. Sarwal¹, B. Warshaw⁴, C. Zhao⁴, A. D. Kirk⁵, ¹Pediatrics, Duke University, Durham, NC, ²Surgery, Stanford, Palo Alto, CA, ³NIH, Bethesda, MD, ⁴Pediatrics, UCLA, Los Angeles, CA, ⁵Pediatrics, Stanford, Stanford, CA, ⁶Surgery, Duke University, Durham, NC, ⁷Pediatrics, UCSF, San Francisco, CA, ⁸Pediatrics, Emory University, Atlanta, GA

2:54 PM Circulating T Follicular Helper Proliferation And Memory B Cell Activation Correlate With Donor Specific Allo-antibody Occurrence And Antibody-mediated Rejection After Kidney Transplantation (Abstract #56) K. Louis¹, C. Macedo¹, M. Marrari³, B. Ramaswami¹, M. Lucas¹, B. Elinoff¹, M. Yamada¹, X. Gu¹, G. Chalasani¹, A. Zeevi³, P. Randhawa¹, C. Lefaucheur², D. Metes¹, ¹Surgery, University of Pittsburgh, Pittsburgh, PA, ²Inserm Unité mixte de recherche 1160, Paris, France

3:06 PM Impact of Cytomegalovirus on the Immune System of Healthy Humans (Abstract #57) W. Zhang, J. Robertson, G. Karadkhele, B. Johnson, C. Larsen, Emory Transplant Center, Emory University, Atlanta, GA

3:18 PM A Molecular Analysis of Graft Survival in the INTERHEART Study (Abstract #58) P. Halloran¹, J. Reeve and the INTERHEART investigators², ¹University of Alberta, Edmonton AB, AB, Canada, ²ATAGC, University of Alberta, Edmonton AB, AB, Canada

3:30 PM One Study: A Consortium Model of Clinical Trials Optimized for Comparing New Immune Therapies via Centralized Immune Monitoring (Abstract #59) B. Sawitzki¹, S. Schlickeiser¹, M. Streitz¹, K. Jüchott¹, J. Hutchinson¹, E. Geissler², P. Investigators³, ¹Charite Universitätsmedizin, Berlin, Germany, ²University of Regensburg, Regensburg, Germany, ³ONE Study Consortium, EU, Germany
3:42 PM Viability Testing and Transplantation of Marginal Donor Livers (VITTAL) Trial: Metabolomics of Ex Vivo Normothermically Machine Perfused Livers Discloses Molecular Signatures Predictive of Graft Viability and Post Transplant Outcomes (Abstract #60) J. Attard¹, W. Dunn², L. Wallace³, R. Laing¹, Y. Boteon¹, H. Mergental³, D. Mirza³, T. Perera³, S. Afford¹, ¹CLGR, University of Birmingham and NIHR Biomedical Research Centre, Birmingham, United Kingdom, ²Phenome Centre Birmingham, University of Birmingham, Birmingham, United Kingdom, ³Liver Unit, Queen Elizabeth University Hospital, Birmingham, United Kingdom

Tissue Engineering & Technology

Room: 309
Chairs: B. Ekser, Indiana University - Transplant Section, Indianapolis, IN and J. Wertheim; Northwestern University, Chicago, IL.

2:30 PM Endothelial Cell Replacement - A Closer Step to Personalized, Tissue-Engineered Transplants (Abstract #61) S. Cohen¹, S. Partouche, M. Gurevich, V. Mezhybovsky, V. Tennak, S. Eisner, E. Nesher, E. Mor, Rabin Medical Center, Petah-Tiqwa, Israel

2:42 PM MHC Molecule-Ablated Human Endothelial Cells Form Alloimmune-Evasive Microvessels (Abstract #62) J. Merola¹, M. Reschke³, L. Qin¹, S. Spindler¹, R. W. Pierce³, T. D. Manes⁴, G. Li¹, L. Bracaglia², N. Kirkiles-Smith⁴, T. Baltazar⁴, W. Saltzman², G. T. Tietjen¹, G. Tellides¹, J. S. Pober¹, ¹Surgery, Yale School of Medicine, New Haven, CT, ²Biomedical Engineering, Yale School of Engineering and Applied Science, New Haven, CT, ³Pediatrics, Yale School of Medicine, New Haven, CT, ⁴Immunobiology, Yale School of Medicine, New Haven, CT

2:54 PM Microparticle Delivery to Lymph Nodes Induces Specific Suppression to Prolong Islet Survival (Abstract #63) Y. Xiong¹, L. Tostanoski³, C. Jewell³, J. Bromberg¹, ¹Surgery, U. Maryland, Baltimore, MD, ²U. Maryland, Baltimore, MD, ³U. Maryland, College Park, MD

3:06 PM Hepatic Stellate Cells and Liver Derived Endothelial Cells Improve Scaffold-Free 3D-Bioprinted Liver Model (Abstract #64) A. M. Chen¹, W. Zhang¹, C. J. Koehler¹, K. Saglam¹, A. Isidan¹, J. R. Walsh¹, R. A. Naqvi¹, E. Gramelspacher¹, L. J. Smith², P. Li¹, B. Ekser¹, ¹Transplant Division, Department of Surgery, Indiana University, Indianapolis, IN, ²3D-Bioprinting Core, Indiana University School of Medicine, Indianapolis, IN

3:18 PM Evaluating Liver Regeneration during Normothermic Machine Perfusion in Hepatectomized Rat Liver Model (Abstract #65) M. Aburawi¹, S. Mert¹, E. Hafiz², P. Mahboub¹, H. Yeh¹, K. Uygun¹, J. Markmann¹, ¹Surgery, Massachusetts General Hospital, Boston, MA, ²Pathology and Electron Microscopy, Theodor Bilharz Research Institute, Cairo, Egypt

3:30 PM Development and Characterization of Human-Derived Xenograft Model for Hepatocellular Carcinoma (Abstract #66) M. Nazzal¹, R. Steele², R. Ray³, N. Phillips³, J. Long⁴, R. Ray³, ¹Surgery, Saint Louis University, Saint Louis, MO, ²Pathology, Saint Louis University, Saint Louis, MO, ³Internal Medicine, Saint Louis University, Saint Louis, MO, ⁴Comparative Medicine, Saint Louis University, Saint Louis, MO

3:42 PM Kidney Regeneration with Biomimetic Vascular Scaffolds Based on Vascular Corrosion Casts (Abstract #67) S. Min¹, H. Mo¹, A. Han¹, J. Ha¹, J. Yoo², ¹Seoul National University Hospital, Seoul, Korea, Republic of, ²Wake Forest Institute for Regenerative Medicine, Winston-Salem, NC
Endothelial Cell Biology

Room: 310
Chairs: J. Pober, Yale Univ Sch of Medicine, New Haven, CT and D. Briscoe, Boston Children’s Hospital, Boston, MA

2:30 PM  Shroom3 Regulates Glomerular Hypertrophy after Uninephrectomy via mTOR (Abstract #68)
K. Banu, F. Garzon, C. Wei, Z. Yi, W. Zhang, C. He, B. Murphy, M. C. Menon, Mount Sinai School of Medicine, New York, NY

2:42 PM  ZFYVE21 is a Novel Complement-Induced Rab5 Effector Protein Mediating Cardiac Allograft Vasculopathy (Abstract #69)
D. Jane-wit1, C. Fang1, L. Liu1, L. Qin1, G. Guangxin Li1, P. Nigrovic2, G. Tellides3, J. Pober4, 1Dept of Cardiology, Yale University School of Medicine, New Haven, CT, 2Dept of Rheumatology, Immunology, and Allergy, Harvard University, Boston, MA, 3Dept of Surgery, Yale University School of Medicine, New Haven, CT, 4Dept of Immunobiology, Yale University School of Medicine, New Haven, CT

2:54 PM  Novel Activation Responses by Endothelial Cells within the Pro-Tolerogenic Intragraft Microenvironment (Abstract #70)
J. Wedel1, K. Liu1, P. T. Sage2, C. V. Carman3, P. Bobrowicz4, S. Kong5, B. McLaughlin6, D. M. Briscoe7, 1Transplant Research Program, Boston Children’s Hospital, Boston, MA, 2Transplant Research Center, Brigham and Woman Hospital, Boston, MA, 3Harvard T.H. Chan School of Public Health, Boston, MA, 4Compass Therapeutics, Cambridge, MA, 5Computational Health Informatics Program, Boston Children’s Hospital, Boston, MA

3:06 PM  Apoptotic Exosome-Like Vesicles Induce Endothelial Cell Plasticity and Accelerate Allograft Vascular Remodeling (Abstract #71)
F. Migneault1, M. Dieudé1, J. Turgeon1, A. Karakeussian Rimbaud1, D. Beillevaire1, M. Hardy2, A. Brodeur1, N. Thibodeau1, C. Perreault2, M. Hébert1, 1CRCHUM, Montreal, QC, Canada, 2IRIC, Montreal, QC, Canada

3:18 PM  Cytomegalovirus (CMV) Infection Induces an Angiogenic Response through Hepatic Stellate Cells (HSCs) and Leads to Early Post-Transplant Liver Fibrosis (LF) and Poor Graft Survival (Abstract #72)
B. H. Ozdemir1, G. Ozugun1, E. H. Ayvazoglu Soy2, N. Haberal1, G. Moray2, M. Haberal2, 1Pathology, Baskent University, Ankara, Turkey, 2Transplantation, Baskent University, Ankara, Turkey

3:30 PM  Ligation Of Hla Class Ii Molecules Disrupts Endothelial Barrier Through Src-dependent Ve-cadherin Destabilization (Abstract #73)
F. Li1, R. A. Sosa1, N. M. Valenzuela1, E. Rozengurt2, E. F. Reed1, 1Department of Pathology and Laboratory Medicine, University of California, Los Angeles, Los Angeles, CA, 2Digestive Diseases Research Center, University of California, Los Angeles, Los Angeles, CA

3:42 PM  Sphingosine 1-Phosphate Receptor 2 Regulates Migration through Endothelial Cell CAM and Adherens Junctions (Abstract #74)
Y. Xiong1, W. Piao1, C. Brinkman1, L. Li1, J. Kulinski2, A. Olivera2, A. Cartier3, T. Hla4, K. Hippens4, B. Blazar4, S. Schwab5, 1Surgery, UMB, Baltimore, MD, 2NIH, Bethesda, MD, 3Boston Children’s hospital, Boston, MA, 4U.Minnesota, Minneapolis, MN, 5NYU, NY, NY
Ischemia Reperfusion & Organ Rehabilitation I

**Room: 313**

**Chairs:** P. Martin, Univ Mass Memorial Medical Center, Worcester, MA and S. Tullius, Brigham & Women’s Hospital, Boston, MA

**2:30 PM** Prevention of Graft Ischemia-Reperfusion Injury in Ischemia-Free Liver Transplantation (Abstract #75)

Z. Guo, X. He, Q. Zhao, S. Huang, Z. Zhang, L. Wang, W. Ju, G. Chen, Organ Transplant Center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

**2:42 PM** CD4 T Cell-Derived NGAL Mediates Experimental Acute Kidney Injury (Abstract #76)

S. Lee, S. Noel, J. Kurzhagen, M. Sadasivam, A. Hamad, H. Rabb, Johns Hopkins, Baltimore, MD

**2:54 PM** Sirna Uptake During Ex Vivo Hypothermic And Normothermic Liver Machine Perfusion: Beginning Of A New Era Of Organ Preservation (Abstract #77)

A. Gillooly¹, C. Moore¹, J. Perry¹, I. Bruggenwirth², M. Thijssen², X. Wang¹, X. E¹, P. Mandrekar¹, T. Kowalik¹, R. Porte², H. Leuvenink², R. Abdi³, A. Bozorgzadeh¹, P. N. Martins¹, ¹University of Massachusetts Medical School, Worcester, MA, ²University of Groningen, Groningen, Netherlands, ³Brigham and Women’s Hospital, Boston, MA

**3:06 PM** Senescent Cell Clearance with Senolytic Drugs Improves Cardiac Allograft Survival by Targeting mt-DNA Mediated Immune Responses (Abstract #78)

J. Iske¹, M. Koichiro¹, M. Seyda¹, T. Heinboke¹, Y. Nian¹, R. Maenosono¹, H. Azuma¹, C. Falk², T. Tchokonia³, J. Kirkland³, A. Elkhal¹, S. Tullius¹, ¹Transplant Surgery, Brigham and Women’s Hospital, Boston, MA, ²Institute of Transplant Immunology, Hannover Medical School, Hannover, Germany, ³Robert and Arlene Kogod Center on Aging, Mayo Clinic, Rochester, MN

**3:18 PM** Minimizing Kidney Ischemia Reperfusion Injury by Transferring Exogenous Mitochondria (Abstract #79)

A. Bajwa¹, V. Bontha¹, J. Eason², D. Maluf³, V. Mas³, ¹UT, Memphis, TN, ²Director of Transplant Institute. UTHSC, Memphis, TN, ³UTHSC, Memphis, TN, ⁴Director of Transplant Research Institute. UTHSC, Memphis, TN

**3:30 PM** Anti CD45RB Antibody Therapy Attenuates Renal Ischemia Reperfusion Injury by Inducing Regulatory B Cells (Abstract #80)

S. Lee¹, S. Park¹, J. Hwang¹, J. Ryu², T. Koo³, C. Ahn³, J. Yang³, ¹Biomedical Research Institute, Transplantation Center, Seoul National University Hospital, Seoul, Korea, Republic of, ²Department of Internal Medicine, Seoul National University Hospital, Seoul, Korea, Republic of, ³Department of surgery, Seoul National University Hospital, Seoul, Korea, Republic of

**3:42 PM** PD-1+CD3+CD4-CD8- (Double Negative T-cells) Are Early Responders during Kidney Ischemia Reperfusion Injury and Regulated by Non-Classical MHC Molecules (Abstract #81)

M. Sadasivam, S. Noel, S. Lee, J. Gong, A. Hamad, H. Rabb, Johns Hopkins University and School of Medicine, Baltimore, MD
Tolerance: Clinical Studies

Room: 208

Chairs: J. Scandling, Stanford Univ Medical Ctr, Palo Alto, CA and J. Leventhal, Northwestern University, Chicago, IL.

2:30 PM Impact of Immunosuppressive Drug Withdrawal on Persistent Mixed Chimerism in Recipients of HLA Haplo-Identical Kidney and Hematopoietic Cell Transplants (Abstract #82)
S. Busque, J. Scandling, R. Lowsky, J. Shizuru, E. Meyer, K. Jensen, A. Shori, R. Hoppe, E. Engleman, S. Strober, Stanford University School of Medicine, Stanford, CA

2:42 PM Persistent Mixed Chimerism, Immune Reconstitution, and Tolerance in Recipients of HLA Matched Kidney and Hematopoietic Cell Transplants (Abstract #83)
S. Busque, J. Scandling, R. Lowsky, J. Shizuru, E. Meyer, K. Jensen, A. Shori, R. Hoppe, E. Engleman, T. Pham, S. Strober, Stanford University School of Medicine, Stanford, CA

2:54 PM Use of Low Dose Interleukin-2 to Expand Regulatory T-cells and Facilitate the Complete Discontinuation of Immunosuppression in Human Liver Transplantation (Abstract #84)
T. Lim¹, P. Ruiz², A. Kurt³, E. Kodela², M. Martinez-Llordella², T. Tree¹, A. Sanchez-Fuego¹, ¹Institute of Liver Studies, King's College Hospital, London, United Kingdom, ²Department of Liver Sciences, King's College London, London, United Kingdom, ³Department of Immunobiology, King's College London, London, United Kingdom

3:06 PM Tolerance Induction with Hematopoietic Stem Cells in Kidney Transplantations (Abstract #85)
K. Lee, J. Park, Y. Chung, S. Kim, Department of Surgery, Samsung Medical Center, Seoul, Korea, Republic of

3:18 PM Results of Litmus (nct 02541916): The Liver Immune Tolerance Bio Marker Utilization Study (Abstract #86)
A. Chruscinski¹, V. Rojas-Luengas¹, S. Moshkelgosha¹, J. Luo², H. Yowanto², Z. Galvin¹, L. Lilly¹, R. Smith¹, E. Renner¹, J. Zhang¹, D. Grant¹, O. Adeyi¹, H. Atkins⁴, P. Juni⁴, N. Selzner¹, S. Juvet¹, G. Levy¹, ¹Multi-Organ Transplantation, University Health Network, Toronto, ON, Canada, ²Sciex, Brea, CA, ³Ottawa Hospital Research Institute, Ottawa, ON, Canada, ⁴University of Toronto, Toronto, ON, Canada

3:30 PM Preliminary Mechanistic Studies of Regulatory Dendritic Cell (DCreg) Cell Infusion in Living Donor Liver Transplant Recipients (Abstract #87)
A. Thomson, C. Macedo, A. Zahorchak, H. Dai, A. Humar, F. G. Lakkis, M. Styn, D. Metes, Starzl Transplantation Institute, Pittsburgh, PA

3:42 PM An Open-Label Proof-of-Principle Phase 2A Study to Evaluate Autologous Hematopoietic Stem Cell Transplantation for Allogeneic Organ Transplant Tolerance (ASCOTT) (Abstract #88)
A. Chruscinski¹, H. Atkins⁵, A. Clement⁶, D. Grant¹, C. Bredsen², E. Renner¹, J. Zhang¹, M. Epstein³, L. Lilly¹, N. Selzner¹, O. Adeyi¹, R. Smith¹, S. Moshkelgosha¹, A. Humar¹, S. Juvet¹, G. Levy¹, ¹Multi-Organ Transplantation, University Health Network, Toronto, ON, Canada, ²Ottawa Hospital Research Institute, Ottawa, ON, Canada
Medley of Heart Transplantation Topics

Room: 206
Chairs: B. Lampert, Bexley, OH and H. Copeland; University of Mississippi Medical Center, Jackson, MS

2:30 PM Incidence and Risk of Allograft Rejection after Cardiac Transplantation in Left Ventricular Assist Device Patients (Abstract #89)
R. C. Patel¹, L. B. Cooper², S. D. Barnett², R. T. Cole², M. A. Psotka², A. Cochrane², S. Sinha², L. J. Bogar², S. S. Desai², P. Shah², ¹Virginia Commonwealth University School of Medicine, Inova Fairfax Hospital, Falls Church, VA, ²Department of Heart Failure and Transplant, Inova Heart and Vascular Institute, Falls Church, VA

2:42 PM Low Frequency Of Canonical Human Leukocyte Antigen Alloimmunization In Heart Transplantation Candidates With Ventricular Assist Devices (Abstract #90)
G. K. Mahowald¹, S. L. Saidman¹, G. Lewis², V. Pattanayak¹, ¹Pathology, Massachusetts General Hospital, Boston, MA, ²Cardiology, Massachusetts General Hospital, Boston, MA

2:54 PM Does the Type of Pre-Heart Transplant Desensitization Therapy Affect 5-Year Post-Transplant Outcomes? (Abstract #91)
J. Patel, E. Kransdorf, R. Levine, S. Dimbil, L. Czer, J. A. Kobashigawa, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

3:06 PM Upregulation of Endothelial HLA Class II as a Marker of Antibody Mediated Rejection in Heart Allograft Biopsies (Abstract #92)
Q. Cai, Y. Butt, A. Hendricks, J. Torrealba, Pathology, UTSW Medical Ctr, Dallas, TX

3:18 PM Identification and Determinants of Cardiac Allograft Vasculopathy Trajectories after Heart Transplantation (Abstract #93)
G. Bonnet¹, G. Coutance¹, M. Racape¹, M. Raynaud¹, J. Van keer², M. Bories¹, S. Varnous¹, P. Rouvier², R. Guillemain³, L. Lecuyer⁴, P. Bruneval⁴, J. Duong-Van-Huyen¹, J. Taupin⁴, M. Naesens², C. Lefaucheur¹, X. Jouven¹, A. Loupy¹, ¹Paris Transplant Group, Paris, France, ²KU Leuven, Leuven, France, ³Pitie Salpetriere Hospital, Paris, France, ⁴Georges Pompidou Hospital, Paris, France, ⁵Saint Louis Hospital, Paris, France

3:30 PM More Than Meets the Eye: The Use of Serial Intravascular Ultrasound for Assessment of Cardiac Allograft Vasculopathy after Heart Transplantation (Abstract #94)
Y. Moayedi¹, C. Fan², M. Tremblay-Gravel¹, R. J. Miller¹, M. Kawana¹, J. Parizo¹, G. Oro¹, R. Wainwright¹, H. I. Luikart¹, N. D’Emilio¹, J. Gordon¹, R. Kameda¹, M. Ikutomi¹, C. Manlihot¹, W. F. Fearon¹, H. J. Ross¹, K. K. Khush¹, J. J. Teuteberg¹, ¹Stanford University, Palo Alto, CA, ²University of Toronto, Toronto, ON, Canada

Abstract Presenter Unable to Attend – Evaluation of Cytomegalovirus-Specific T Cell Response Can Improve Risk Stratification of CMV Infection in Heart Transplant Recipients (Abstract #95)
E. Garcia-Romero¹, U. Lopez-Cardoza¹, C. Diez-Lopez², J. Roca-Elias¹, I. Tatjer¹, A. Cequier-Fillat², N. Sabe¹, N. Manito-Lorite¹, O. Bestard³, J. Gonzalez-Costello¹, ¹Advanced Heart Failure and Heart Transplantation Unit, Hospital Universitari de Bellvitge, Barcelona, Spain, ²Cardiology Department, Hospital Universitari de Bellvitge, Barcelona, Spain, ³Infectious Diseases Department, Hospital Universitari de Bellvitge, Barcelona, Spain, ⁴Nephrology Department, Hospital Universitari de Bellvitge, Barcelona, Spain
Non-Organ Specific: Organ Preservation/Ischemia Reperfusion Injury

Room: 209
Chairs: D. Maluf, Director of Liver Transplantation, Memphis, TN and M. Levine, University of Pennsylvania, Philadelphia, PA

2:30 PM Multi-Omics Approach to Accurately Assess Early Graft Injury in Liver Transplantation (Abstract #96)
D. Maluf¹, V. Sai Bontha¹, A. Bajwa¹, R. Helmick¹, P. J. Horton¹, C. Eymard¹, J. Eason², V. Mas³, ¹UTHSC, Memphis, TN, ²UTHSC Director of Transplant Institute, Memphis, TN, ³UTHSC Director Transplant Research Institute, Memphis, TN

2:42 PM Improved Transplant Outcomes in Ischemia-Free Liver Transplantation: A Report of the First 30 Cases (Abstract #97)
X. He, Z. Guo, W. Ju, Q. Zhao, S. Huang, J. Yang, L. Wang, Y. Tang, Z. Zhang, Z. Zhu, L. Yang, Y. Zhu, F. Gong, C. Cai, W. Huang, G. Chen, M. Chen, F. Ji, M. Han, A. Hu, L. Wu, Y. Ma, D. Wang, J. Huang, X. Li, Organ Transplant Center, the First Affiliated Hospital of SYSU, Guangzhou, China

2:54 PM Histologic Ischemia Reperfusion Injury in Liver Transplantation: A Large Single Center Experience (Abstract #98)

3:06 PM Normothermic Regional Perfusion of Kidneys: A Single Non-Retrieval Centre Experience (Abstract #99)
R. Pearson, C. Geddes, M. Clancy, J. Asher, Renal Transplant, Queen Elizabeth University Hospital, Glasgow, Glasgow, United Kingdom

3:18 PM Hepatocyte SIRT1 Modulates ATF4/CHOP and Mitigates Liver Transplant Ischemia-Reperfusion Injury: From Bench-to-Bedside (Abstract #100)
H. Hirao¹, S. Kageyama¹, K. Kadono¹, K. Nakamura¹, T. Ito¹, K. J. Dery¹, D. Oncel¹, X. Li², B. Ke³, F. M. Kaldas¹, R. W. Busuttil¹, J. W. Kupiec-Weglinski¹, ¹Surgery, Dumont-UCLA Transplant Center, UCLA, Los Angeles, CA, ²National Institute of Environmental Health Sciences, Research Triangle Park, NC

3:30 PM Brief Normothermic Machine Perfusion is Superior to Cold Storage Alone - A Paired Discarded Human Kidney Analysis (Abstract #101)
A. Hameed¹, E. Patrick², D. B. Lu¹, C. P'ng¹, M. Hu², Y. Chew², R. De Roo³, L. Yuen¹, W. Hawthorne¹, N. Rogers¹, H. Pleass¹, ¹Westmead Hospital, Sydney, Australia, ²Westmead Institute for Medical Research, Sydney, Australia

3:42 PM Impact of Preoperative Rifaximin Use on Reducing Graft Injury in Liver Transplantation: A Propensity Matched Analysis (Abstract #102)

Student Program
2:30 pm – 5:30 pm

The Science, The Art, and The Allure of Transplantation

Room 210
Moderators: Dorry Segev, MD, PhD, Johns Hopkins University, Baltimore, MD, USA. Ronald Gill, PhD, University of Colorado, Denver, CO, USA.

2:30 pm Transplantation: The Big Picture
Anthony Jevnikar, BSc, MSc., London Health Sciences Centre and Western University, London, ON, Canada.
2:45 pm  Life on the Death Panels: Transplant Making its Own Policy
Richard Formica, MD, Yale University, New Haven, CT, USA.

3:00 pm  Perspectives of a Transplant Surgeon and Award-Winning Author
Josh Mezrich, MD, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA.

3:15 pm  Liver Transplantation: Big Operation, Big Impact
Wendy Grant, MD, University of Nebraska, FACS, Omaha, NE, USA.

3:30 pm  Kidney Transplantation: Minimally Invasive, Maximally Effective
Lloyd Ratner, MD, Columbia University, New York, NY, USA.

3:45 pm  Outcomes Research in Transplantation: Data All Around Us
Jackie Garonzik-Wang, Johns Hopkins Medicine, Baltimore, MD, USA.

4:00 pm  Basic Science Research in Transplantation: The Quest to Understand the Immune System
Howard Gebel, PhD, Emory University, Atlanta, GA, USA.

4:15 pm  Transplant ID: Now With Treatable Viruses!
Emily Blumberg, MD, FAST, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA, USA.

4:30 pm  Pharmacy: Better Living Through Chemistry
Lisa Potter, PharmD, University of Chicago, Chicago, IL, USA.

4:45 pm  Q&A

Coffee Break in Exhibit Hall
4:00 pm – 4:30 pm
Hall C/D

Concurrent Oral Abstract Sessions
4:30 pm – 6:00 pm

Kidney Immunosuppression: Novel Regimens and Drug Minimization I
Veterans Auditorium
Chairs: F. Shihab, University of Utah Sch of Med, Salt Lake City, UT and R. Shapiro, Mount Sinai Medical Center, New York, NY

4:30 PM  Antirejection Efficacy in De Novo Renal Transplant Recipients Receiving Everolimus with a Reduced-Exposure Calcineurin Inhibitor-Based Regimen: 24-Month Results from the TRANSFORM Study (Abstract #105)
H. Tedesco Silva1, F. Citterio1, M. Henry1, T. R. Srinivas1, Y. Watarai1, S. Steinberg1, N. Basic-Jukic1, V. D. Garcia1, E. Mor1, V. R. Peddi1, P. Narvekar2, M. P. Hernandez Gutierrez2, P. Bernhardt2, J. Pascual1, 1TRANSFORM Study Group, Basel, Switzerland, 2Novartis Pharma AG, Basel, Switzerland

4:42 PM  Efficacy and Safety Outcomes with De Novo Use of Everolimus-Based Regimen in Renal Transplant Recipients with Delayed Graft Function from the TRANSFORM Study (Abstract #103)
S. Chadban1, F. Oppenheimer1, F. Citterio1, O. Witzke1, V. D. Garcia1, A. Gutierrez-Dalmau1, P. Narvekar2, M. P. Hernandez Gutierrez2, P. Bernhardt2, A. Wiseman1, 1TRANSFORM Study Group, Basel, Switzerland, 2Novartis Pharma AG, Basel, Switzerland

4:54 PM  The Use of mTOR Inhibitors Prevents Acute Cellular Rejection in Kidney Transplantation on Belatacept Therapy (Abstract #104)
5:06 PM  Early Steroid Withdrawal in African American Deceased Donor Renal Transplant Recipients with Alemtuzumab Induction: Is Graft Loss on the Horizon? (Abstract #106)
R. Lynn, B. Ravichandran, T. Sparkes, A. Haririan, J. Bromberg, J. Casale, University of Maryland Medical Center, Baltimore, MD

5:18 PM  Early Outcomes Comparing Two Steroid-Avoidance Protocols in Pediatric Renal Transplantation (Abstract #107)
D. Puliyanda¹, H. Pizzo¹, N. Rodig², M. Somers², ¹Cedars-Sinai Med Ctr, Los Angeles, CA, ²Pediatric Nephrology, Boston Childrens Hospital, Boston, MA

5:30 PM  Impact of Steroid-Free Protocol on Incidence of Posttransplantation Diabetes Mellitus: A Prospective, Randomized, Multicenter, Open-Label, Controlled Trial in Renal Transplant Recipients (Abstract #108)
J. Ekberg¹, S. Baid-Agrawal¹, B. Jespersen², R. Källén³, E. Rafael³, K. Skov², P. Lindnér¹, ¹Institute of Clinical Sciences, Transplant Institute, Sahlgrenska Academy at University of Gothenburg, Sahlgrenska University Hospital, Gothenburg, Sweden, ²Department of Nephrology, Aarhus University Hospital, Aarhus, Denmark, ³Department of Transplantation, Skane University Hospital, Malmo, Sweden

5:42 PM  What’s in a High Dose? An Analysis of Tacrolimus Pharmacokinetic Parameters in Rapid Metabolizers (Abstract #109)
P. West-Thielke¹, A. Maldonado², S. J. Patel³, D. R. Stevens³, U. Meier-Kriesche³, D. Brennan⁴, ¹University of Illinois, Chicago, Chicago, IL, ²Vidant Medical Center, Greenville, NC, ³Veloxis Pharmaceuticals Inc., Cary, NC, ⁴Johns Hopkins University School of Medicine, Baltimore, MD

Kidney Acute Antibody Mediated Rejection
Ballroom B
Chairs: V. Kumar, University of Alabama at Birmingham, Birmingham, AL and Y. Qazi

4:30 PM  Eculizumab Deposition in Renal Transplants (Abstract #110)
D. Wang¹, S. H. Nasr¹, A. B. Farris², C. A. Schinstock³, M. P. Alexander¹, L. D. Cornell¹, ¹Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN, ²Pathology & Laboratory Medicine, Emory University, Atlanta, GA, ³Division of Nephrology & Hypertension, Department of Internal Medicine, Mayo Clinic, Rochester, MN

4:42 PM  Prevention of Ischemia Reperfusion Injury (IRI) & ABMR in HLA Sensitized Patients Treated with C1 Esterase Inhibitor (C1INH): Long-Term Follow Up (Abstract #111)
A. A. Vo, E. Huang, N. Ammerman, J. Choi, I. Kim, A. Peng, R. Najjar, S. Sethi, K. Lim, S. C. Jordan, Cedars Sinai Medical Ctr, Los Angeles, CA

4:54 PM  The Role of Neutrophil Extracellular Traps in Kidney Acute Antibody-Mediated Rejection (Abstract #112)
R. Villca-Gonzales¹, J. Torres-Ruiz², D. Gomez-Martin², L. Morales-Buenrostro¹, J. Alberu³, ¹Nephrology, Instituto Nacional de Ciencias Medicas y Nutricion Salvador Zubiran, Mexico, Mexico, ²Immunology, Instituto Nacional de Ciencias Medicas y Nutricion Salvador Zubiran, Mexico, Mexico, ³Transplantation, Instituto Nacional de Ciencias Medicas y Nutricion Salvador Zubiran, Mexico, Mexico
5:06 PM  De Novo Donor Specific Antibody and Panel Reactivity Antibody Are Critical Risk Factors for Antibody Mediated Rejection of Kidney Allograft after Simultaneous Liver-Kidney Transplantation (a Single Center Study Using Surveillance Renal Biopsies) (Abstract #113)  
Y. Sun¹, A. Zhang², Z. Zaky², ¹Avalon Medical University, Willemstad, Netherlands Antilles, ²Cleveland Clinic, Cleveland, OH

5:18 PM  Prognostic Value of C3d Fixing Preformed Donor-Specific Antibody in Crossmatch-Positive Living Kidney Transplantation (Abstract #114)  
K. Miyake¹, M. Okumi¹, Y. Kakuta¹, K. Unagami², M. Furusawa¹, H. Ishida², K. Tanabe¹, ¹Urology, Tokyo Women’s Medical University, Shinjuku, Japan, ²Organ Transplant Medicine, Tokyo Women’s Medical University, Shinjuku, Japan

5:30 PM  CD19+ Cell Behavior in the 12 Months Following a Single Dose of Rituximab in Patients with Humoral Rejection: Clinical and Histological Outcomes (Abstract #115)  

5:42 PM  Kinetics of Pretransplant DSA, Post-Transplant Histology, and Graft Failure after Kidney Transplantation (Abstract #116)  
A. Senev¹, E. Lerut², V. Van Sandt³, J. Callemeyn¹, M. Coemans¹, B. Sprangers², D. Kuypers², M. Emonds¹, M. Naesens², ¹Department of Microbiology and Immunology, KU Leuven, Leuven, Belgium, ²University Hospitals Leuven, Leuven, Belgium, ³Histocompatibility and Immunogenetics Laboratory, Belgian Red Cross-Flanders, Mechelen, Belgium

Kidney: Cardiovascular and Metabolic I

Ballroom C  

4:30 PM  Efficacy and Safety with Empagliflozin in Renal Transplant Recipients with Post-Transplant Diabetes Mellitus (Abstract #117)  
K. E. Kvitne¹, T. S. Halden², A. Åsberg², K. Midtvedt², A. Hartmann², T. Jenssen², ¹Department of Pharmaceutical Biosciences, School of Pharmacy, University of Oslo, Oslo, Norway, ²Department of Transplantation Medicine, Section of Nephrology, Oslo University Hospital, Rikshospitalet, Oslo, Norway

4:42 PM  Belatacept Based Simultaneous Calcineurin Inhibitor Avoidance/ Early Corticosteroid Withdrawal is Associated with Low New Onset Diabetes Risk (Abstract #118)  
A. R. Shields¹, P. West-Thielke², E. S. Woodle¹, D. B. Kaufman³, J. Lipscomb⁴, J. P. Leone⁴, A. Wiseman⁶, E. King⁴, A. J. Matas⁷, R. R. Alloway for the BEST Study Group², ¹Transplant Surgery, U of Cincinnati, Cincinnati, OH, ²UIC, Chicago, IL, ³Transplant Surgery, U of Wisconsin, Madison, WI, ⁴U of Cincinnati, Cincinnati, OH, ⁵Tampa General, Tampa, FL, ⁶U of Colorado, Denver, CO, ⁷U Minnesota, Minneapolis, MN
4:54 PM  Lifestyle Intervention in Renal Transplant Recipients: A Multicenter, Randomized Clinical Trial  (Abstract #119)
E. Corpeleijn1, G. Klaassen2, D. M. Zelle2, D. Dijkema3, I. van Vliet3, F. J. Bemelman4, G. J. Navis4, S. J. Bakker4, 1Department of Epidemiology, University Medical Center Groningen, Groningen, Netherlands, 2Division of Nephrology, Department of Internal Medicine, University Medical Center Groningen, Groningen, Netherlands, 3Department of Dietetics, University Medical Center Groningen, Groningen, Netherlands, 4Department of Nephrology, Amsterdam Medical Center, Amsterdam, Netherlands

5:06 PM  Long-Term Outcomes in Patients with Obesity and Renal Disease after Sleeve Gastrectomy (Abstract #120)

5:18 PM  Recurrent Diabetic Nephropathy Despite Intensive Glycemic Control: An Observational Cohort Study (Abstract #121)

5:30 PM  The Evolution of Body Mass Index after Kidney Transplantation in Recipients with a Previous Laparoscopic Sleeve Gastrectomy (Abstract #122)
G. Chan, F. Briere, Universite de Montreal, Hotel Maisonneuve-Rosemont, Montreal, QC, Canada

5:42 PM  Comparison of Two Glucagon-Like-Peptide-1 Analogs (GLP -1) Dulaglutide vs Liraglutide for the Management of Diabetes in Solid Organ Transplant (SOT) (Abstract #123)
P. Singh, M. Taufeeq, T. E. Pesavento, K. Washburn, D. Walsh, S. Meng, Ohio State University, Columbus, OH

Kidney Living Donor: Quality and Selection

4:30 PM  Preemptive Kidney Transplantation: Is There a Role for ABO Incompatible Transplantation? (Abstract #124)
M. N. Mustian1, B. A. Shelton1, P. A. MacLennan1, R. D. Reed1, G. McGwin1, B. J. Orandi1, D. Sawinski1, V. Kumar1, J. E. Locke1, 1University of Alabama at Birmingham, Birmingham, AL, 2University of Pennsylvania, Philadelphia, PA

4:42 PM  Recipient Outcomes Following Transplantation Of Allografts From Older Live Kidney Donors With Hypertension (Abstract #125)
F. Al Ammary1, S. Yu2, A. D. Muzaale3, D. C. Brennan4, A. C. Wiseman4, D. L. Segev4, A. B. Massie4, 1Johns Hopkins Medicine, Greenbelt, MD, 2Johns Hopkins Medicine, Baltimore, MD, 3Surgery, Johns Hopkins Medicine, Baltimore, MD, 4Medicine, Johns Hopkins Medicine, Baltimore, MD, 5Medicine, University of Colorado, Aurora, CO

4:54 PM  External Validation of the Living Kidney Donor Profile Index (LKDPI) in the Canadian Kidney Transplant Recipient Population (Abstract #126)
M. Shantier1, Y. Li1, M. Ashwin1, O. Famure1, S. K. Singh2, 1Multi-Organ Transplant Program, University Health Network, Toronto, ON, Canada, 2Department of Medicine, University of Toronto, Multi-Organ Transplant Program, University Health Network, Toronto, ON, Canada
5:06 PM  Risk Factors for Recurrence and Predictors of Response in Kidney Transplant Recipients with Primary FSGS (Abstract #127)
A. Uffing¹, T. TANGO-consortium², P. Cravedi³, L. V. Riella¹, ¹Renal Division, Brigham & Women’s Hospital, Harvard Medical School, Boston, MA, ²NA, Boston, MA, ³Department of Medicine, Icahn School of Medicine at Mount Sinai, New York, NY

5:18 PM  Potential Living Kidney Donors’ Interest in Kidney Paired and Non-Directed Donation (Abstract #128)
D. R. Helfer¹, A. D. Love¹, J. M. Konel¹, J. Stanton², M. G. Bowring¹, K. Kumar¹, S. R. Weeks¹, M. L. Henderson¹, D. L. Segev¹, A. M. Cameron¹, J. M. Garonzik Wang¹, ¹Johns Hopkins University, Baltimore, MD, ²East Carolina University, Greenville, NC

5:30 PM  Apolipoprotein L1 Genotyping in Potential African American Living Kidney Donors (Abstract #129)

5:42 PM  Living Donor Conversion Rates as a Quality Measure for Kidney Program Efficiency for Both New Referrals and Existing Listed Candidates (Abstract #130)
E. Woodle¹, C. Siemers², B. Woodle³, C. King⁴, R. Alloway⁵, S. Tremblay⁶, ¹U of Cincinnati, Cincinnati, OH, ²UC Health, Cincinnati, OH, ³U of Arkansas, Little Rock, AR

Kidney: Pediatrics I

Room: 304
Chairs: A. Gallo, Stanford University Medical Center, Palo Alto, CA and W. Andrews, Children’s Mercy Hospital, Kansas City, MO

4:30 PM  Utilization of Donor Kidneys with Acute Kidney Injury in Pediatric Transplantation (Abstract #131)
C. S. Hwang¹, B. Tanriover², S. Levea², D. Desai¹, V. Ariyamuthu², P. Vagefi¹, M. MacConmara¹, ¹Surgery, UT Southwestern, Dallas, TX, ²Medicine, UT Southwestern, Dallas, TX

4:42 PM  Have Graft Outcomes Improved for Pediatric Transplant Recipients Since the Implementation the Kidney Allocation System (Abstract #132)
C. S. Bell¹, S. Hebert², A. De Golovine³, R. Swinford¹, ¹Division of Pediatric Nephrology & Hypertension, McGovern Medical School at UTHealth - Houston, Houston, TX, ²Division of Nephrology, Department of Internal Medicine, Houston Methodist Hospital, Houston, TX, ³Renal Diseases & Hypertension, McGovern Medical School at UTHealth - Houston, Houston, TX

4:54 PM  Undernutrition is Associated with Impaired T Cell Protective Immunity in Pediatric Kidney Transplantation (Abstract #133)
E. T. Chambers¹, C. Chan¹, R. Ettenger², P. Grimm³, E. Reed², M. Sarwal⁴, L. Stempora⁵, B. Warshaw⁶, O. Martinez⁷, A. Kirk⁵, ¹Pediatrics, Duke University, Durham, NC, ²Pediatrics, UCLA, Los Angeles, CA, ³Pediatrics, Stanford, Palo Alto, CA, ⁴Pediatrics, UCSF, San Francisco, CA, ⁵Surgery, Duke University, Durham, NC, ⁶Pediatrics, Emory University, Atlanta, GA, ⁷Surgery, Stanford, Palo Alto, CA
5:06 PM Differences in Wait Time, Graft Quality and Outcome for Pediatric Kidney Recipients in the Post-Kidney Allocation System Era (Abstract #134)
P. Singer, K. Eng, L. Castellanos Reyes, C. Sethna, L. Teperman, E. Grodstein, Northwell Health, Manhasset, NY

5:18 PM United Kingdom National Outcomes of Transplants from Paediatric Donors: 10 Years Experience (Abstract #136)
M. A. Khurram, N. Karydis, C. Callaghan, I. Loukopoulos, T. Kasimatis, P. Chandak, F. Calder, N. Mamode, N. Kessaris, Transplantation, Guy’s and St Thomas NHS trust, London, United Kingdom

5:30 PM Effect of Everolimus with Reduced-Exposure Tacrolimus and Early Steroid Elimination in Pediatric Kidney Transplant Recipients: 36-Month Outcomes from the CRADLE Study (Abstract #135)
H. Tedesco Silva1, R. Ettenger1, A. Bjerre1, M. Christian1, L. Dello Strologo1, S. D. Marks1, L. Pape1, P. Lopez2, M. Cousin2, P. Pandey2, B. Rauer2, M. Meier2, B. Tönshoff1, 1A2314 Study Group, Basel, Switzerland, 2Novartis Pharma AG, Basel, Switzerland

5:42 PM Emergence of Anti-HLA Antibodies after Catch-Up Vaccinations in Pediatric Kidney Transplant Candidates (Abstract #137)
H. Sweiss1, J. Lyons1, D. Ranch2, K. Hitchman2, E. Kincaide2, B. Crowther1, 1University Health System, The University of Texas at Austin, College of Pharmacy, Pharmacotherapy Division, Austin, TX, 2University of Texas Health Science Center at San Antonio, San Antonio, TX

4:30 PM Transplant Center Practices Are the Primary Drivers of United States Donation after Circulatory Death Liver Transplantation (Abstract #138)
L. Beal1, D. T. Nguyen2, T. Menser3, S. Zajac1, E. A. Graviss3, M. J. Hobeika1, 1Department of Surgery, Houston Methodist Hospital, Houston, TX, 2Department of Pathology and Genomic Medicine, Houston Methodist Research Institute, Houston, TX, 3Center for Outcomes Research, Houston Methodist Research Institute, Houston, TX

4:42 PM Variations in DCD Procurement Procedures across Opos and Their Effects on Liver Transplant Outcomes (Abstract #139)
A. P. Choubey1, G. Mitro1, E. J. Siskind2, A. C. Ortiz1, M. Nayebpour4, N. Koizumi4, P. Wiederhold5, J. Ortiz1, 1The University of Toledo, Toledo, OH, 2Inova Fairfax Hospital, Fairfax, VA, 3University of California, Los Angeles (UCLA), Los Angeles, CA, 4George Mason University, Fairfax, VA, 5Life Connection Of Ohio, Maumee, OH

4:54 PM Utilization of DCD Donors >50 Years Old for Liver Transplantation (Abstract #140)

5:06 PM Ready for Prime Time: Intentional Allocation of Hepatitis C Positive Livers into Hepatitis C Negative Recipients (Abstract #141)
P. N. Marting1, B. Movahedi1, D. Devuni2, P. Mahboub1, A. Bozorgzadeh1, 1Surgery, Division of Transplantation, University of Massachusetts, Worcester, MA, 2Medicine, Division of Hepatology, University of Massachusetts, Worcester, MA
5:18 PM A Priori Identification of Hard-to-Place Livers (Abstract #142)
A. Wey1, N. Hadley1, J. Rosendale2, R. Hunter2, J. Prinz2, K. Audette1, N. Salkowski1, D. Zaun1, J. Snyder2, 1SRTR, Minneapolis, MN, 2SRTR, Mineeapolis, MN

5:30 PM Continuous Distribution: LSAM Simulation Study (Abstract #143)
T. Weaver1, N. Salkowski1, J. Snyder1, D. Schladt1, J. Pyke1, A. Herreid2, B. Thompson1, W. Kim2, J. Lake2, A. Israni1, 1SRTR, Minneapolis, MN, 2Stanford Univ, Stanford, CA, 3Univ of Minnesota, Minneapolis, MN

5:42 PM DOME: A New Strategy for Prioritizing Hepatocellular Carcinoma Patients on the Liver Transplant Waitlist (Abstract #144)
C. Rickert1, M. Akan2, Z. Leung3, J. F. Markmann1, S. Tayur2, H. Zhao3, H. Yeh1, 1Massachusetts General Hospital, Boston, MA, 2Tepper School of Business, Carnegie Mellon University, Pittsburgh, PA, 3City University of Hong Kong, Hong Kong, China

Liver Transplant Oncology

Room: 311
Chairs: V. Agopian, UCLA Medical Center, Los Angeles, CA and C. Enestvedt, Oregon Health and Science University, Portland, OR

4:30 PM Adjuvant Immunotherapeutic Approach For Liver Transplant Recipients With Hepatocellular Carcinoma Using Donor Liver Derived Natural Killer Cells (Abstract #145)
M. Ohira1, R. Hotta1, Y. Imaoka1, K. Sato1, Y. Tanaka1, A. G. Tzakis2, S. Nishida3, H. Ohdan1, 1Hiroshima University, Hiroshima, Japan, 2Cleveland Clinic Florida, Weston, FL, 3New York Medical College, Valhalla, NY

4:42 PM Prospective Multi-Regional Study of Down-Staging of Hepatocellular Carcinoma to within Milan Criteria before Liver Transplantation (Abstract #146)
N. Mehta1, J. Guy2, C. Frenette2, P. Tabrizian3, M. Hoteit4, R. Dhanasekarakan5, J. Dodge1, M. L. Holzner1, L. Frankul1, S. Florman6, N. Parikh1, F. Yao1, 1UCSF, San Francisco, CA, 2CPMC, San Francisco, CA, 3Scripps Hospital, La Jolla, CA, 4Mt Sinai, New York, NY, 5U. Pennsylvania, Philadelphia, PA, 6Stanford, Palo Alto, CA, 7U. Michigan, Ann Arbor, MI

4:54 PM Sustained Biologic Response To Neoadjuvant Therapy Predicts Excellent Liver Transplant Outcomes For Locally Advanced Intrahepatic Cholangiocarcinoma (Abstract #147)
K. E. Lunsford1, M. Javier1, K. Heyne1, R. A. Ali3, C. M. Mobleby1, A. Saharia1, D. W. Victor1, M. J. Hobeika1, A. Kasab2, R. S. McFadden1, T. A. Aloia2, X. C. Li1, H. P. Monsour1, A. O. Gaber1, A. O. Gaber1, J. Vauthery2, R. M. Ghobrial1, J.C. Walter Jr. Transplant Center, Houston Methodist Hospital, Houston, TX, 2The University of Texas MD Anderson Cancer Center, Houston, TX, 3Department of Oncology, Houston Methodist Hospital, Houston, TX

5:06 PM Outcomes of Liver Transplantation for Mixed Hepatocellular-Cholangiocarcinoma (Abstract #148)
M. Najjar1, K. Bruestle1, P. Jiang1, S. Robbins-Juarez2, R. Hwang1, A. Mathur1, E. C. Verna1, A. Griesemer2, B. Samstein1, T. Kato1, Y. M. Saenger1, K. J. Halazun2, J. C. Emond1, 1Columbia University Medical Center, New York, NY, 2Weill Cornell Medicine, New York, NY

5:18 PM Predicting HCC Recurrence Following Liver Transplant - A Machine Learning Approach (Abstract #149)
L. F. Lau1, W. Nelson2, A. Gorgen1, L. Erdman2, P. Abreu1, A. Goldenberg3, G. Sapisochin1, 1Department of Surgery, University of Toronto, Toronto, ON, Canada, 2The Center for Computational Medicine, The Hospital for Sick Children, Toronto, ON, Canada
5:30 PM Decreased Cancer Susceptibility in Tolerant Liver Transplant Recipients: Another Benefit of Tolerance? (Abstract #150)
M. P. Bhat¹, E. Pasini¹, C. Baciu¹, S. M. Kurian², J. Levitsky³, ¹Multi-Organ Transplant, UHN, Toronto, ON, Canada, ²Department of Molecular and Experimental Medicine, The Scripps Research Institute, La Jolla, CA, ³Division of Gastroenterology & Hepatology, Department of Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL

4:54 PM Role of MHC Class II in B Cell and Regulatory T Cell Development (Abstract #154)
S. K. Germana, Z. Wang, C. A. Huang, L. Kojima, C. G. Rickert, J. F. Markmann, C. LeGuern, Surgery, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA

5:06 PM TORC1 Inhibition In Vitro and in a Humanized Mouse Model Protects Activated Human Regulatory T Cells from Self-Inflicted Damage via Granzyme B (Abstract #155)

Lymphocyte Biology - Basic
Room: 306

4:30 PM Targeting Cell Metabolism for Efficient Large-Scale Expansion of Functional Regulatory T Cells (Abstract #152)
R. Gedaly-Eidelman¹, F. Marti, L. Turcios, E. Chacon, D. Valvi, University of Kentucky, Lexington, KY

4:42 PM How and Why Dyrk1a is Required for Optimal Foxp3+ Treg Functions (Abstract #153)
W. W. Hancock, N. Zhou, R. Han, L. Wang, Children’s Hospital of Philadelphia, Philadelphia, PA

5:18 PM Undernutrition and Leptin Deficiency Modulates T Cell Immunity in Transplantation (Abstract #156)
E. David¹, M. Zhu², B. Bennett², D. Cheng¹, A. Nichols¹, W. Parker², P. Schroder², N. Molver¹, A. Kirk², E. Chambers¹, ¹Pediatrics, Duke University, Durham, NC, ²Surgery, Duke University, Durham, NC

5:30 PM Erythropoietin Ameliorates Parent to F1 Murine Graft versus Host Disease by Inhibiting TFH (Abstract #157)
A. Angeletti¹, C. Donadei¹, A. Cumpelik¹, C. Cantarelli¹, C. Guglielmo¹, G. La Manna², P. Heeger¹, P. Cravedi¹, ¹Department of Medicine, Icahn School of Medicine at Mount Sinai, New York, NY, ²Dipartimento di Medicina Specialistica, Diagnostica e Sperimentale (DIMES), Policlinico Sant’Orsola-Malpighi, Bologna, Italy

5:42 PM The mIR17-92 Cluster Promotes Costimulation Resistant Effector Memory T Cell-Mediated Alloresponses (Abstract #158)
H. Xu¹, Q. Guo¹, M. Song¹, A. Miler¹, Q. Li², A. Kirk¹, ¹Surgery, Duke University, Durham, NC, ²Immunology, Duke University, Durham, NC
Histocompatibility and Immunogenetics

Room: 309

Chairs: P. Jindra, Houston, TX and R. Mannon, University of Alabama, Birmingham, Birmingham, AL

4:30 PM Mismatched Epitope and De Novo DSA Development: An Analysis of the Benefit and Benefit-EXT Renal Transplant Cohorts (Abstract #159)

V. Jucaud¹, V. Burnett¹, H. Gebel², R. Bray², M. Polinsky³, M. Everly¹, ¹Terasaki Research Institute, Los Angeles, CA, ²Emory University, Atlanta, GA, ³Bristol-Myers Squibb, Princeton, NJ

4:42 PM Successful Kidney Transplantation of Highly Sensitized Candidates across Positive Cross Match and Strong Donor-Specific HLA-DP Antibodies without Desensitization (Abstract #160)

R. Rajalingam¹, D. D. Gae², Z. G. Laszik³, M. M. Tavakol⁴, A. B. Webber⁶, K. Cunniffe², G. da Gente², R. Hirose⁴, G. Roll¹, C. E. Freise⁴, J. P. Roberts⁴, ¹Immunogenetics and Transplantation Laboratory (ITL), San Francisco, CA, ²Department of Surgery, Immunogenetics and Transplantation Laboratory (ITL), San Francisco, CA, ³Department of Pathology, University of California San Francisco, San Francisco, CA, ⁴Department of Medicine, University of California San Francisco, San Francisco, CA

4:54 PM Solving Target Recognition and Activation Mediated by Non-HLA Agonistic Antibodies Targeting ETAR (Abstract #161)

A. Philippe¹, R. Catá¹, P. Scheerer², M. Szczepki², D. Dragun¹, ¹Nephrology and Medical Intensive Care, Charité Universitätsmedizin Berlin, Berlin, Germany, ²Institute of Medical Physics and Biophysics, Charité Universitätsmedizin Berlin, Berlin, Germany

5:06 PM Inhibition of mTORC2 Causes Hyper Phosphorylation of ERK Induced by Co-Ligation of HLA-I and II Antibody (Abstract #162)

Y. Jin¹, J. Sinnet-Smith⁵, E. Rozengurt⁶, E. F. Reed¹, ¹Pathology and Laboratory Medicine, University of California Los Angeles, Los Angeles, CA, ²Medicine, University of California Los Angeles, Los Angeles, CA

5:18 PM Computational Assessment of T-cell and B-cell Allorecognition to Predict Donor HLA Immunogenicity (Abstract #163)

H. C. Copley¹, M. Elango¹, V. Kosmolapiatsís², ¹Department of Surgery, University of Cambridge and NIHR Cambridge Biomedical Research Centre, Cambridge University Hospital, Cambridge, United Kingdom, ²University of Cambridge and NIHR Cambridge Biomedical Research Centre, Cambridge University Hospital & NIHR Blood and Transplant Research Unit in Organ Donation and Transplantation at the University of Cambridge, Cambridge, UK., Cambridge, United Kingdom

5:30 PM Physiochemical HLA Properties Identify Low Immunogenic Donor/recipient Pairs Predicting Long-term Kidney Graft Survivals (Abstract #164)

D. Bekbolsynov¹, B. Mierzerejewska², C. Ho¹, M. Rees², S. Stepkowski³, ¹Gift of Life Michigan, Ann Arbor, MI, ²University of Toledo, Toledo, OH

5:42 PM Can Imputation of HLA Allele Level Typing Be Used Clinically in a Multiethnic Population? (Abstract #165)

R. M. Engen¹, A. M. Jedraszko¹, A. Tambur², ¹Ann & Robert H Lurie Children’s Hospital of Chicago, Chicago, IL, ²Northwestern University, Chicago, IL
B-cell / Antibody / Autoimmunity

Room: 310
Chairs: A. Chong, University of Chicago, Chicago, IL and G. Raimondi, Johns Hopkins School of Medicine, Baltimore, MD

4:30 PM The Effects of Anti-BAFF Monoclonal Antibody in the HLA-A2 Sensitized Mouse Model (Abstract #166)
J. Min¹, H. Lee², B. Kim³, K. Park⁴, K. Doh⁵, T. Kim⁶, H. Yoon⁶, C. Yang⁷, E. Oh⁷, B. Chung⁷, ¹Division of Nephrology, Department of Internal Medicine, Bucheon St. Mary’s Hospital, College of Medicine, The Catholic University of Korea, Bucheon-si, Korea, Republic of, ²Department of Laboratory Medicine, Seoul St. Mary’s Hospital, College of Medicine, The Catholic University of Korea, Seoul, Korea, Republic of, ³Convergent Research Consortium for Immunologic Disease, Seoul St. Mary’s Hospital, College of Medicine, The Catholic University of Korea, Seoul, Korea, Republic of, ⁴Department of Molecular & Cell Biology, Graduate School, College of Medicine, The Catholic University of Korea, Seoul, Korea, Republic of, ⁵Department of Medical Informatics, College of Medicine, The Catholic University of Korea, Seoul, Korea, Republic of, ⁶Division of Nephrology, Department of Internal Medicine, Incheon St. Mary’s Hospital, College of Medicine, The Catholic University of Korea, Incheon, Korea, Republic of, ⁷Department of Medical Informatics, College of Medicine, The Catholic University of Korea, Incheon, Korea, Republic of

4:42 PM Iguratimod Inhibits the Donor Specific Antibodies Production and Attenuates the Antibody Mediated Rejection in Rat Kidney Transplantation (Abstract #167)
Z. Wang, M. Zheng, H. Chen, S. Li, Z. Han, J. Tao, X. Ju, R. Tan, M. Gu, No.300 Guangzhou Road of Nanjing, Nanjing, China

4:54 PM Decay Accelerating Factor (DAF) Regulates Germinal Center B-cell and Alloantibody Formation (Abstract #168)
A. Cumpelik¹, G. Varano², D. Heja¹, D. Homann³, S. Lira⁴, D. Dominguez-Sola², P. S. Heeger¹, ¹Nephrology, Mount Sinai School of Medicine, New York, NY, ²Tisch Cancer Institute, Mount Sinai School of Medicine, New York, NY, ³Medicine, Endocrinology, Diabetes and Bone Disease, Mount Sinai School of Medicine, New York, NY, ⁴Clinical Immunology, Mount Sinai School of Medicine, New York, NY

5:06 PM Autoantibody Production Significantly Decreased with APRIL/BLyS Blockade in Murine Chronic Rejection Kidney Transplant Model (Abstract #169)
N. Bath, X. Ding, B. Verhoven, S. Reese, N. Wilson, A. Sukhwal, R. Redfield III, University of Wisconsin, Madison, WI

5:18 PM B Cell-Specific IRE1α Deficiency Protects Renal Allografts from Rejection via Inhibition of Donor-Specific Antibodies and Induction of B Regulatory Cells (Abstract #170)
L. Qiu¹, J. Wang¹, X. Yeap¹, D. Fang², Z. J. Zhang¹, ¹Comprehensive Transplant Center, Department of Surgery, Northwestern University, Chicago, IL, ²Department of Pathology, Northwestern University, Chicago, IL

5:30 PM Antibody-Suppressor CD8+ T Cells Require CXCR5 (Abstract #171)
J. Zimmerer⁵, B. A. Ringwald¹, C. L. Avila¹, S. M. Elzein¹, R. T. Warren¹, M. Abdel-Rasoul², G. L. Bumgardner¹, ¹Surgery, The Ohio State University Wexner Medical Center, Columbus, OH, ²Center for Biostatistics, The Ohio State University Wexner Medical Center, Columbus, OH
5:42 PM  Anti-Donor MHC Class I alloantibody induce glomerular injury in mouse renal allografts subjected to prolonged cold ischemia (Abstract #172)
V. Gorbacheva, R. Fan, A. Beavers, R. Fairchild, W. Baldwin, A. Valujskikh, Inflammation and Immunity, Cleveland Clinic, Cleveland, OH

5:18 PM  A single-center experience with a 6-month regimen of Pneumocystis jiroveci pneumonia prophylaxis in HIV-positive kidney transplant recipients (Abstract #177)
C. Mejia1, G. Malat2, D. H. Lee3, S. Epstein1, M. Harhay3, L. Levin Mizrahi3, K. Ranganna1, 1Drexel University, Philadelphia, PA, 2Hahnemann University Hospital, Philadelphia, PA, 3Medicine, Drexel University, Philadelphia, PA

5:50 PM  The spread of HIV donation throughout a DSA (Abstract #178)
A. Friedman, E. Marquez, J. A. Lewis, K. Delli Carpini, LiveOnNY, New York, NY

5:42 PM  Liver transplant candidate attitudes towards organs from increased risk donors: A single center survey (Abstract #179)
S. S. Humar, J. Liu, N. Pinzon, D. Kumar, M. Bhat, L. Lilly, N. Selzner, University Health Network, Toronto, ON, Canada

Vaccines and Viruses

Room: 313
Chairs: S. Pouch, Decatur, GA and R. Miller, Duke University, Durham, NC

4:30 PM  Evaluation of influenza virus antibody response in naturally infected and vaccinated transplant recipients by protein microarray (Abstract #173)
C. Hirzel, A. Chruscinski, V. H. Ferreira, A. G. L’Huillier, A. Humar, D. Kumar, University Health Network, Toronto, ON, Canada

4:42 PM  A comparison of cell-mediated immune responses among organ transplant recipients receiving high-dose vs standard-dose influenza vaccine (Abstract #174)
A. G. L’Huillier, V. H. Ferreira, Y. Natori, T. Ku, C. Hirzel, M. Ierullo, A. Humar, D. Kumar, University Health Network, Toronto, ON, Canada

4:54 PM  Vaccination rates and relation to health beliefs in inner-city kidney transplant recipients (KTRs) (Abstract #175)
Y. Akvis, J. Leong, I. Rosenstein, A. Myrie, M. Moy, M. Markell, SUNY Downstate Medical Center, Brooklyn, NY

5:06 PM  Burden of respiratory syncytial disease among hospitalized immunocompromised adults (Abstract #176)
H. Nam, M. Ison, Northwestern University Comprehensive Transplant Center, Chicago, IL

Psychosocial and Treatment Adherence

Room: 208
Chairs: A. Maldonado, Vidant Medical Center - Transplant Services, Greenville, NC and S. Jowsey-Gregoire, Mayo Clinic Transplant Center, Mayo Clinic, Rochester, MN

4:30 PM  The risk of systematic error in liver transplant opioid research (Abstract #180)
J. N. Fleming, N. A. Pilch, S. Ball, P. K. Baliga, D. DuBay, D. J. Taber, Medical University of South Carolina, Charleston, SC

4:42 PM  African American living kidney donors’ perceptions of APOL1 genetic testing and its impact on ethnic identity (Abstract #181)
E. J. Gordon1, D. Amortegui1, C. Wicklund1, J. Friedewald1, R. Sharp2, 1Northwestern University, Chicago, IL, 2Mayo Clinic, Rochester, MN
**4:54 PM**  
**Use of Latent Class Analysis to Identify Patient Symptom Burden Subgroups after Living Donor Kidney Transplant (Abstract #182)**  
J. Peipert, J. Caicedo-Ramirez, K. Ensor, J. Friedewald, M. Abecassis, D. Cella, D. Ladner, Z. Butt, Northwestern University, Chicago, IL

**5:06 PM**  
**Patient-Reported Transplant-Related Symptoms in Kidney Transplant Recipients (Abstract #183)**  
J. L. Beaumont, I. Purnajo, M. Polinsky, E. Alemao, M. J. Everly, Terasaki Research Institute, Los Angeles, CA,  
Bristol Myers Squibb, Princeton, NJ

**5:18 PM**  
**Belatacept Treated Patients Experience Improved Health-Related Quality of Life and Lower Symptom Distress Compared to Cyclosporine Treated Patients: An Analysis of the Benefit and Benefit-EXT Cohorts (Abstract #184)**  
M. J. Everly, I. Purnajo, J. L. Beaumont, M. Polinsky, E. Alemao, Terasaki Research Institute, Los Angeles, CA,  
Bristol Myers Squibb, Princeton, NJ

**5:30 PM**  
**Technology Triggered Adherence Intervention - Preliminary Findings (Abstract #185)**  
T. E. Kaiser, N. S. Ejaz, S. Tremblay, N. J. Parrish, J. Benavides, B. Rehe, A. Govil, E. S. Woodle, R. R. Alloway, University of Cincinnati, Cincinnati, OH,  
UC Health, Cincinnati, OH

**5:42 PM**  
**Alcohol Recidivism In Liver Transplant Recipients With Alcoholic Liver Disease: Does Six-months Abstinence Rule Still Hold True? (Abstract #186)**  

**Setting the Table for Success after Lung Transplantation**

**Room: 206**  
Chairs: J. Edelman, Puget Sound VAMC, Seattle, WA and D. Dilling, Loyola University Medical Center, Maywood, IL

**4:30 PM**  
H. Bruschwein, V. Andersen, H. Patel, J. Fleming, A. Shahane, M. Weder,  
University of Virginia, Charlottesville, VA,  
University of North Carolina, Chapel Hill, NC, Medical University of South Carolina, Charleston, SC

**4:42 PM**  
**The Burden of Recipient Driving Distance and Post Lung Transplant Outcomes: A National Cohort Study (Abstract #188)**  
W. Tsuang, S. Arrigain, R. Lopez, M. Snair, K. McCurry, M. Budev, J. Schold, Cleveland Clinic, Cleveland, OH

**4:54 PM**  
**Lung Transplant Outcomes after CABG (Abstract #189)**  
S. Huddleston, R. Aggarwal, S. Jackson, N. Lemke, Surgery, University of Minnesota, Minneapolis, MN, Surgery, Fairview Health Services, Minneapolis, MN

**5:06 PM**  
**Outcomes of Adult Lung Transplant Recipients of Donation after Circulatory Death Allografts in the US (Abstract #190)**  
W. S. Cherikh, J. Stehlik, A. Sadavarte, D. Van Raemdonck, United Network for Organ Sharing, Richmond, VA, University of Utah School of Medicine, Salt Lake City, UT, University Hospitals Leuven, Leuven, Belgium
5:18 PM  Center Variability in Organ Offer Acceptance and Waitlist Mortality in Lung Transplantation (Abstract #191)
A. Y. Choi¹, M. S. Mulvihill², J. Weber³, H. Lee⁴, M. Cox², B. Yerokun², M. Kuchibhatla⁵, J. A. Klapper³, M. G. Hartwig², ¹Duke University School of Medicine, Durham, NC, ²Department of Surgery, Duke University Medical Center, Durham, NC, ³Department of Biostatistics and Bioinformatics, Duke University School of Medicine, Durham, NC

5:30 PM  Assessment of Physical Frailty is Positively Correlated with LAS Score in Lung Transplant Candidates (Abstract #192)
S. Jaladanki¹, L. Shih¹, O. Kwon², N. Ventigan², D. Nanayakkara², S. Weigt³, J. Singer⁴, A. Ardehali⁵, R. Biniwale⁶, D. Goldwater⁵, J. Schaenman², ¹Department of Cardiac Surgery, David Geffen School of Medicine at UCLA, Los Angeles, CA, ²Division of Infectious Diseases, David Geffen School of Medicine at UCLA, Los Angeles, CA, ³Division of Pulmonary and Critical Care, David Geffen School of Medicine at UCLA, Los Angeles, CA, ⁴Division of Pulmonary and Critical Care, UCSF School of Medicine, San Francisco, CA, ⁵Complex Care Analytics, Fairview Health Services, Minneapolis, MN, ⁶Surgery, University of Minnesota, Minneapolis, MN

5:42 PM  The Impact of Removing DSA as a First Unit of Lung Allocation: Preliminary Results (Abstract #193)
R. R. Lehman¹, K. Uccellini², M. Skeans³, M. Valapour⁴, E. D. Lease⁴, R. Daly⁴, K. M. Chan⁵, ¹Research, United Network for Organ Sharing, Richmond, VA, ²Policy, United Network for Organ Sharing, Richmond, VA, ³SRTR, Minneapolis, MN, ⁴Univ of Washington, Seattle, WA, ⁵Univ of Michigan, Ann Arbor, MI

Pancreas and Islet: All Topics I

Room: 209

Chairs: A. Singer, Mayo Clinic Arizona, Phoenix, AZ and M. Tan, Piedmont Hospital, Atlanta, GA

4:30 PM  Outcomes for Robotic Pancreas Transplants in Obese Candidates (Abstract #194)
M. Spaggiari, K. A. Tulla, O. T. Okoye, C. Di Bella, P. Di Cocco, J. A. Almario Alvarez, I. G. Tzvetanov, E. Benedetti, University of Illinois at Chicago, Chicago, IL

4:42 PM  Long-Term Survival after Kidney-Pancreas Transplantation: Lessons from World Largest Series of Long-Term Survivors (Abstract #195)

4:54 PM  Circulating Donor Specific Antibody and Biopsy C4d Positivity in Pancreas Rejection Increase the Probability of Earlier Return to Insulin after Rejection (Abstract #196)
S. M. Riad¹, S. Jackson², E. B. Finger³, R. Kandaswamy³, ¹Medicine, University of Minnesota, Minneapolis, MN, ²Complex Care Analytics, Fairview Health Services, Minneapolis, MN, ³Surgery, University of Minnesota, Minneapolis, MN

5:06 PM  Donor Insulin Therapy Predicts Better Graft Survival in Pancreas Transplantation (Abstract #197)
I. Shapey, A. Summers, H. Khambalia, C. Fullwood, N. Hanley, T. Augustine, M. Rutter, D. van Dellen, University of Manchester, Manchester, United Kingdom

5:18 PM  Impact of Simultaneous Pancreas-Kidney Transplantation on Cardiovascular Risk in Type 1 Diabetic Patients (Abstract #198)
E. Montagud-Marrahi, Servei de Nefrologia i Trasplantament Renal, Hospital Cliníc de Barcelona, Barcelona, Spain
5:30 PM  Repeat-Pancreas Transplant after Pancreas Graft Failure in Simultaneous Pancreas and Kidney Transplants is Associated with Better Kidney Graft Survival (Abstract #199)
S. Parajuli, A. Arunachalam, K. Swanson, F. Aziz, N. Garg, R. Redfield, D. Kaufman, A. Djamali, J. Odorico, D. Mandelbrot, 
University of Wisconsin, Madison, WI

5:42 PM  Belatacept Based CNI Free Immunosuppression in Pancreas Transplantation. Results at 4 Years (Abstract #200)
J. Chen, J. Fridell, M. Yaqub, T. Taber, D. Mlishler, O. Adebiyi, M. Mujtaba, A. Sharfuddin, Indiana University School of Medicine, Indianapolis, IN

ASTS Town Hall & Reception
5:45 pm – 7:45 pm
Hall A

Poster Session B – Presenters in Attendance

Hall C/D

Poster Viewing: 6:00 pm - 7:00 pm
Presenters in Attendance: 6:00 pm - 7:00 pm
Poster Session B can be found on pages 191-228.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>7:00 am – 8:15 am</td>
<td>Sunrise Interactive</td>
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<td>7:00 am – 8:15 am</td>
<td>Sunrise Didactic</td>
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<td>8:15 am – 8:30 am</td>
<td>Break</td>
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<tr>
<td>8:30 am – 9:15 am</td>
<td>Plenary II</td>
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<tr>
<td>9:15 am – 9:45 am</td>
<td>AST Presidential Address</td>
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<tr>
<td>9:45 am – 10:15 am</td>
<td>ASTS Presidential Address</td>
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<tr>
<td>10:15 am – 10:45 am</td>
<td>State-of-the-Art Speaker</td>
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<td>10:45 am – 11:15 am</td>
<td>Coffee Break in the Exhibit Hall</td>
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<td>11:15 am – 12:45 pm</td>
<td>Midday Interactive</td>
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**AMERICAN TRANSPLANT CONGRESS**

**Day-at-a-Glance, Monday, June 3, 2019**

**7:00 am – 8:15 am Sunrise Interactive**

(Continental Breakfast Included)

- Page 59 How Does Kidney Paired Exchange (KPD) Become Standard of Care? Ballroom C
- Page 59 The Kidney Allograft Recipient and Transplant Cardiovascular Care (Kardio-Care) Room 312
- Page 59 U.S. Lung Allocation - Where are we Now? Room 313
- Page 60 The Coming of Age - Childhood Conditions Affecting Post-Renal Transplant Outcomes into Adulthood Room 210
- Page 60 Controversies in Intestinal Transplantation Room 206
- Page 60 Battling Hepatocellular Carcinoma: Who Wins the Transplant Lottery? Room 309
- Page 60 Fontan-Associated Liver Disease: Heart Alone or Heart Liver Room 310
- Page 61 Challenges in Quality Improvement in Transplant Care: TOOLS, THREATS, and OPPORTUNITIES Ballroom A
- Page 61 Updates in Primary Care - What Everyone Ought to Know About the Latest Trends in Patient Management Room 306

**7:00 am – 8:15 am Sunrise Didactic**

(Continental Breakfast Included)

- Page 62 Top 10 Papers in Transplant Infectious Diseases Ballroom B
- Page 62 Immunometabolism in Transplantation Room 302
- Page 62 Gene Editing in Transplantation - A New Frontier Room 304

**8:15 am – 8:30 am Break**

**8:30 am – 9:15 am Plenary II**

- Page 62 Veterans Auditorium

**9:15 am – 9:45 am AST Presidential Address**

- Page 63 Veterans Auditorium

**9:45 am – 10:15 am ASTS Presidential Address**

- Page 63 Veterans Auditorium

**10:15 am – 10:45 am State-of-the-Art Speaker**

- Page 63 Thomas E. Starzl State-of-the-Art-Speaker Synthetic Organs George M. Church, PhD Wyss Institute at Harvard Medical School, Boston, MA, USA Veterans Auditorium

**10:45 am – 11:15 am Coffee Break in the Exhibit Hall**

**11:15 am – 12:45 pm Midday Interactive**

- Page 63 To Transplant or Not to Transplant: Can the Virtual Crossmatch Answer this Question? Room 313
Page 64 Results of the Consensus Conference on Frailty in Solid Organ Transplantation

Page 64 1000 LDLTS in the US: Pipedream or Near Future

Page 64 Normothermic Machine Perfusion of Livers: Are we Ready for Prime Time?

Page 65 A Multiparametric Approach to Deceased Kidney Donor Assessment

Page 65 Opioid Stewardship in Solid Organ Transplant: It Takes a Multidisciplinary Approach

Page 65 CMV-Cutting Edge Approaches to Taming the Troll of Transplant

Page 65 Cutting Edge Medical and Surgical Options for Treating Diabetes: A Multidisciplinary Approach to New Therapies

Page 66 Vascular Flow Problems: An Achilles Heel in Pediatric Liver Transplantation

Page 66 From Policy to Postop: Opioid and Benzodiazepine Use Across the Transplant Process

Page 66 How Does Immunosuppression and Rejection Impact the Long-Term Survival of the Intestinal Transplant Recipient?

Page 66 Reproductive Health Issues in Transplant

Page 67 Liver Recipient Selection: Where Do You Draw the Line?

Page 67 Coinhibitory Pathways: From Bench to Bedside

Page 67 Lymphatics in Transplantation

Page 67 Sheraton Boston Hotel

Page 68 Two for the Price of One: The Explosion of Combined Heart-Kidneys and Lung-Kidneys

Page 68 Caring for the Caregiver in Transplantation: State of Affairs and Future Directions

Page 68 #SquadGoals: Expanding and Optimizing the Transplant Pharmacy Team
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:15 pm – 2:30 pm</td>
<td>Break</td>
</tr>
<tr>
<td>2:30 pm – 4:00 pm</td>
<td>Concurrent Oral Abstract Sessions</td>
</tr>
<tr>
<td>Page 69</td>
<td>Kidney Complications: Late Graft Failure II</td>
</tr>
<tr>
<td></td>
<td>Veterans Auditorium</td>
</tr>
<tr>
<td>Page 70</td>
<td>Kidney Deceased Donor Allocation II</td>
</tr>
<tr>
<td></td>
<td>Ballroom B</td>
</tr>
<tr>
<td>Page 70</td>
<td>Kidney Donor Selection / Management Issues II</td>
</tr>
<tr>
<td></td>
<td>Ballroom C</td>
</tr>
<tr>
<td>Page 71</td>
<td>Liver Transplant Complications and Retransplantation I</td>
</tr>
<tr>
<td></td>
<td>Ballroom A</td>
</tr>
<tr>
<td>Page 72</td>
<td>Infectious Epidemiology</td>
</tr>
<tr>
<td></td>
<td>Room 304</td>
</tr>
<tr>
<td>Page 73</td>
<td>Kidney Psychosocial I: Cognitive and Behavioral Factors</td>
</tr>
<tr>
<td></td>
<td>Room 302</td>
</tr>
<tr>
<td>Page 74</td>
<td>Antigen Presentation and Allorecognition</td>
</tr>
<tr>
<td></td>
<td>Room 311</td>
</tr>
<tr>
<td>Page 75</td>
<td>Biomarkers, Immune Monitoring and Outcomes II</td>
</tr>
<tr>
<td></td>
<td>Room 306</td>
</tr>
<tr>
<td>Page 76</td>
<td>Immunosuppression Preclinical Studies</td>
</tr>
<tr>
<td></td>
<td>Room 309</td>
</tr>
<tr>
<td>Page 77</td>
<td>Xenotransplantation</td>
</tr>
<tr>
<td></td>
<td>Room 310</td>
</tr>
<tr>
<td>Page 78</td>
<td>Ischemia Reperfusion &amp; Organ Rehabilitation II</td>
</tr>
<tr>
<td></td>
<td>Room 313</td>
</tr>
<tr>
<td>Page 79</td>
<td>Quality Assurance Process Improvement &amp; Regulatory Issues I</td>
</tr>
<tr>
<td></td>
<td>Room 210</td>
</tr>
<tr>
<td>Page 80</td>
<td>Surgical Issues: All Organs</td>
</tr>
<tr>
<td></td>
<td>Room 208</td>
</tr>
<tr>
<td>Page 81</td>
<td>Donor and Recipient Selection in Heart Transplantation</td>
</tr>
<tr>
<td></td>
<td>Room 206</td>
</tr>
<tr>
<td>Page 82</td>
<td>Basic &amp; Clinical Science - VCA</td>
</tr>
<tr>
<td></td>
<td>Room 209</td>
</tr>
<tr>
<td></td>
<td>2:30 pm – 6:00 pm Featured Multidisciplinary Transplant Professionals</td>
</tr>
<tr>
<td></td>
<td>Symposium</td>
</tr>
<tr>
<td>Page 83</td>
<td>Expansion of the Multidisciplinary Team: From Waitlist to Transplant</td>
</tr>
<tr>
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<td>Room 312</td>
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<td>4:00 pm – 4:30 pm Coffee Break in the Exhibit Hall</td>
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<td>4:30 pm – 6:00 pm Concurrent Oral Abstract Sessions</td>
</tr>
<tr>
<td>Page 83</td>
<td>Kidney Immunosuppression: Novel Regimens and Drug Minimization II</td>
</tr>
<tr>
<td></td>
<td>Veterans Auditorium</td>
</tr>
<tr>
<td>Page 84</td>
<td>Kidney Chronic Antibody Mediated Rejection</td>
</tr>
<tr>
<td></td>
<td>Ballroom B</td>
</tr>
<tr>
<td>Page 86</td>
<td>Kidney: Cardiovascular and Metabolic II</td>
</tr>
<tr>
<td></td>
<td>Ballroom C</td>
</tr>
<tr>
<td>Page 87</td>
<td>Breakthroughs in Cytomegalovirus</td>
</tr>
<tr>
<td></td>
<td>Ballroom A</td>
</tr>
<tr>
<td>Page 88</td>
<td>Liver: MELD, Allocation and Donor Issues (DCD/ECD) II</td>
</tr>
<tr>
<td></td>
<td>Room 302</td>
</tr>
</tbody>
</table>
| Page 89 | Kidney: Pediatrics II  
Room 304 |
|---------|---------------------------------|
| Page 90 | Non-Organ Specific: Public  
Policy & Allocation  
Room 311 |
| Page 91 | Biomarkers, Immune Monitoring  
and Outcomes III  
Room 306 |
| Page 92 | Islet and Cell Transplantation  
Room 309 |
| Page 93 | Tolerance / Immune Deviation  
Room 310 |
| Page 94 | Donor Management: All Organs  
Excluding Kidney  
Room 313 |
| Page 95 | Infections, Antibodies  
and Biomarkers in Lung  
Transplantation  
Room 206 |
| Page 96 | Non-Organ Specific:  
Pharmacogenomics /  
Pharmacokinetics  
Room 210 |
| Page 96 | Pancreas and Islet: All Topics II  
Room 209 |

4:30 pm – 6:00 pm  
Young Investigator Oral  
Communication Session

Page 97  
Room 208

5:45 pm – 8:00 pm  
AST Town Hall &  
Reception  
Hall A

6:00 pm – 7:00 pm  
Poster Session C  
Presenters in Attendance  
Hall C/D
Sunrise Symposia: Interactive (Continental Breakfast Included)
7:00 am – 8:15 am

How Does Kidney Paired Exchange (KPD) Become Standard of Care?

Ballroom C
Moderators: David Serur, MD, NYP-Weill Cornell, New York, NY, USA. Stuart Flechner, MD, FACS, Cleveland Clinic Lerner College of Medicine, Cleveland, OH, USA.

7:00 am  The Elimination of Disincentives (and excuses) to Kidney Paired Donation (KPD)
Nicole Turgeon, MD, Emory University, Atlanta, GA, USA.

7:20 am  How to Safely Transplant the Most Difficult Cases Through KPD
Howard Gebel, PhD, Emory University, Atlanta, GA, USA.

7:40 am  The Value and Benefit of and to Compatible Pairs in KPD
Didier Mandelbrot, MD, UW Health, Madison, WI, USA.

8:00 am  Panel Discussion

The Kidney Allograft Recipient and Transplant Cardiovascular Care (Kardio-Care)

Room 312
Moderators: John A. Kobashigawa, MD, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, USA. Janani Rangaswami, MD, FACP, Einstein Medical Center, Philadelphia, PA, USA.

7:00 am  Ischemic Heart Disease in the Kidney Allograft Recipient: State of the Art and Current Trials in 2019
Sripal Bangalore, MD, NYU Langone Health, New York, NY, USA.

7:20 am  Heart failure and Pulmonary Hypertension in the Kidney Allograft Recipient
Cyrus Kholdani, MD Beth Israel Deaconess Medical Center, Boston, MA, USA.
The Coming of Age - Childhood Conditions Affecting Post-Renal Transplant Outcomes into Adulthood

Room 210
Moderators: Julia M. Steinke, MD, MS, Helen DeVos Children’s Hospital, Grand Rapids, MI, USA. Priya Verghese, MD, University of Minnesota, Minneapolis, MN, USA.

7:00 am  Cystinosis: No Longer Just a Pediatric Disease
Roshan P. George, MD, Emory University, Atlanta, GA, USA.

7:20 am  Atypical Hemolytic Uremic Syndrome - High Risks with Higher Rewards
Carla Nester, MD, University of Iowa, Iowa City, IA, USA.

7:40 am  CAKUT (Congenital Anomalies of the Kidney and the Urinary Tract): Beyond the Transplant
Scott McEwen, MD, PhD, University of Minnesota, Minneapolis, MN, USA.

8:00 am  Panel Discussion

Battling Hepatocellular Carcinoma: Who Wins the Transplant Lottery?

Room 309
Moderators: Angeles Baquerizo, MD, Scripps Health, La Jolla, CA, USA. Amit Singal, MD, MS, UT Southwestern Medical Center, Dallas, TX, USA.

7:00 am  Pre and Post Transplant Risk for Estimation of Recurrence, (Including Utility of Biomarkers)
Pratima Sharma, MD, MS, University of Michigan Health, Ann Arbor, MI, USA.

7:20 am  Surveillance and Prevention of HCC Recurrence Post Transplant in the High Risk Patients
Neil Mehta, MD, UCSF Health, San Francisco, CA, USA.

7:40 am  Management of Post Transplant Patients with Recurrence (mTOR and Adjuvant Therapy and Resection)
Anjana Pillai, MD, University of Chicago Medicine, Chicago, IL, USA.

8:00 am  Panel Discussion

Controversies in Intestinal Transplantation

Room 206
Moderators: Douglas Farmer, MD, UCLA Health, Los Angeles, CA, USA. Shunji Nagai, MD, PhD, Henry Ford Hospital, Detroit, MI, USA.

7:00 am  The Patient with Extensive Porto-Mesenteric Thrombosis - Is This Always an Indication for a Multi-Visceral Transplant?
Kishore Iyer, MBBS, FRCS, Mount Sinai Hospital, New York, NY, USA.

7:20 am  Should Patients with Chronic Rejection Be Re-Transplanted and if Not, Can We Treat Them Medically?
Rodrigo Vianna, MD, PhD, Miami Transplant Institute, Miami, FL, USA.

7:40 am  The Patient with Recurrent Desmoid Tumors and Unresectable Tumors - To Transplant or Not to Transplant?
Richard Mangus, MD, Indiana University School of Medicine, Indianapolis, IN, USA.

8:00 am  Panel Discussion

Fontan-Associated Liver Disease: Heart Alone or Heart Liver

Room 310
Moderators: Lisa VanWagner, MD MSc FAST FAHA, Northwestern Medicine, Chicago, IL, USA. Ram Subramanian, MD, MBA, Emory University, Atlanta, GA, USA.

7:00 am  The Liver after a Fontan Procedure
Elizabeth B. Rand, MD, The University of Pennsylvania, Philadelphia, PA, USA.

7:20 am  Debate - Pro: Combined Heart and Liver
Kim Olthoff, MD, University of Pennsylvania, Philadelphia, PA, USA.

7:35 am  Debate - Con: Heart Alone
John Lake, MD, University of Minnesota, Minneapolis, MN, USA.

7:50 am  Rebuttal: Pro
Kim Olthoff, MD, University of Pennsylvania, Philadelphia, PA, USA.

8:00 am  Rebuttal: Con
John Lake, MD, University of Minnesota, Minneapolis, MN, USA.

8:10 am  Audience Discussion
**Challenges in Quality Improvement in Transplant Care: TOOLS, THREATS, and OPPORTUNITIES**

**Ballroom A**
Moderators: Stuart M. Greenstein, MD, Montefiore Medical Center, Bronx, NY, USA. Anil Paramesh, MD, Tulane University School of Medicine, New Orleans, LA, USA.

7:00 am  Making Friends with Your OPO: Initiatives to Increase Deceased Donor Transplant Through Standardized, Mutually Agreeable Processes  
Richard Hasz, MFS, CPTC, Gift of Life Donor Program, Philadelphia, PA, USA.

7:20 am  Celebrate Your Program’s Success and Learn from Others': Tools to Track Performance and Improve Quality Including TransQIP  
Riyo Ryutaro, MD, UCSF Health, San Francisco, CA, USA.

7:40 am  Navigating the Regulatory Waters Between the CMS and OPTN Icebergs  
Diane Milman, JD, Powers Law, Washington, DC, USA.

8:00 am  Panel Discussion

**Updates in Primary Care—What Everyone Ought to Know About the Latest Trends in Patient Management**

**Room 306**
Moderators: Bethany Brady, PharmD, Indiana University Health System, Indianapolis, IN, USA. Danielle Krieger, NP, UCSF Health, San Francisco, CA, USA.

7:00 am  Novel Anti-Diabetic Agents and Their Role in Therapy After Transplantation  
Hazel Domingo, PA-C, University of Maryland Medical Center, Baltimore, MD, USA.

7:15 am  Key Steak Holders - Bones and All it Takes to Keep Them Healthy After Transplant  
Ignatius Tang, PharmD, MD, University of Illinois at Chicago, Chicago, IL, USA.

7:30 am  Lipid Management Challenges and Strategies in Transplant Recipients  
Douglas Jennings, PharmD, FCCP, Columbia University Medical Center, New York, NY, USA.

7:45 am  Updates in Hypertension Management  
Erika Meredith, PharmD, Emory University Hospital, Atlanta, GA, USA.

8:00 am  Panel Discussion

**Novel Pre-Market Therapies in Transplantation: Does FDA Endpoints Justify the Means?**

**Room 311**
Moderators: Roslyn B. Mannon, MD, University of Alabama, Birmingham, AL, USA. Kenneth Newell, MD, PhD, Emory University, Atlanta, GA, USA.

7:00 am  Long and Short Acting Therapies: 1. How Does the Drug Use Correlate with One Year Post Transplant Grant Survival? 2. Are We Really Measuring the Outcomes of the Interventional Administrated Drug or The Effects of Immunosuppressant  
Mark Stegall, MD, Mayo Clinic, Rochester, MN, USA.

7:20 am  Review Approaches for Optimizing the Efficiency of the Technology-Derived Novel Endpoint Development (Real World Data)  
Stephen Karpen, PharmD, Critical Path Institute, Tucson, AZ, USA.

7:40 am  FDA Perspective: Long Term Outcomes Versus a Year Post-Transplant: What is a Realistic Endpoint for Drugs Used One Time Pre or Post Transplant. How Regulators Will Value RDW as a Source of Information for Market Submission  
Ulf Meier Kriesche, MD, FAST, Veloxis, Cary, NC, USA.

8:00 am  Panel Discussion
Sunrise Symposia: Didactic (Continental Breakfast Included)
7:00 am – 8:15 am

**Top 10 Papers in Transplant Infectious Diseases**

*Ballroom B*

Moderators: Lara Danziger-Isakov, MD, MPH, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, USA. Jonathan Hand, MD, Ochsner Medical Center, New Orleans, LA, USA.

7:00 am  Top 10 Bacterial Papers
Robin K. Avery, MD, Johns Hopkins, Baltimore, MD, USA.

7:20 am  Audience Discussion

7:25 am  Top 10 Fungal Papers
Barbara D. Alexander, MD, Duke University, Durham, NC, USA.

7:45 am  Audience Discussion

7:50 am  Top 10 Viral Papers
Joanna Schaenman, MD, PhD, UCLA Health, Los Angeles, CA, USA.

8:10 am  Audience Discussion

**Immunometabolism in Transplantation**

*Room 302*

Moderators: William Burlingham, PhD, University of Wisconsin, Madison, WI, USA. Paolo Cravedi, MD, PhD, Icahn School of Medicine at Mount Sinai, New York, NY, USA.

7:00 am  ATP in Transplantation
Paolo Fiorina, MD, PhD, Boston Children’s Hospital, Boston, MA, USA.

7:20 am  Audience Discussion

7:25 am  T Cell Metabolism
Ulf Beier, MD, FAAP, Penn Perelman School of Medicine, Philadelphia, PA, USA.

7:45 am  Audience Discussion

7:50 am  T Cell Mitochondrial Effects
Will Bailis, PhD, Children’s Hospital of Pennsylvania, Philadelphia, PA, USA.

8:10 am  Audience Discussion

**Gene Editing in Transplantation – A New Frontier**

*Room 304*

Moderators: Martina McGrath, MD, BCh, Brigham and Women’s Hospital, Boston, MA, USA. Megan Sykes, MD, Columbia University, New York, NY, USA.

7:00 am  CRISPR/CAS9 - How I Do It
Omar Abudayyeh, MD, PhD, Broad Institute, Cambridge, MA, USA.

7:20 am  Audience Discussion

7:25 am  Gene Editing in Xenotransplantation
Alfred J. Tector, III, MD, PhD, University of Alabama at Birmingham, Birmingham, AL, USA.

7:45 am  Audience Discussion

7:50 am  Using Genome Editing to Make Designer Stem Cells
Chad Cowan, PhD, Harvard University, Cambridge, MA, USA.

8:10 am  Audience Discussion

**Break**
8:15 am - 8:30 am

**Plenary Session II**
8:30 AM - 9:15 AM

*Veterans Auditorium*

Moderators: Lloyd Ratner, MD, MPH, President Elect, ASTS, New York, NY and Emily Blumberg, MD, FAST, President Elect, AST, Philadelphia, PA.

8:30 AM  Exogenous Erythropoietin Administration Promotes Murine Cardiac Allograft Survival via a Myeloid Cell-Dependent Mechanism (Abstract #201)
J. Horwitz, P. Cravedi, P. Heeger, Icahn School of Medicine at Mount Sinai, NY, NY
8:45 AM  Fifteen Year Outcomes in the Astellas Double Blind Randomized Controlled Trial (RCT) Comparing Early Corticosteroid Withdrawal (CSWD) and Long-Term Corticosteroid Therapy Continuation (CCS) in Kidney Transplantation (Abstract #202)

E. Woodle1, S. Clark2, D. Stewart3, M. First4, R. Alloway5, J. Gill6, ... Split Rock Group7, 1Transplant Surgery, University of Cincinnati College of Medicine, Cincinnati, OH, 2Providence Health Care, Vancouver, BC, Canada, 3UNOS, Richmond, VA, 4Transplant Genomics Inc., Richmond, VA, and Comprehensive Transplant Center, Northwestern University, Evanston, IL, 5University of Cincinnati College of Medicine, Cincinnati, OH, 6University of British Columbia, Vancouver, BC, Canada, 7Yale University, New Haven, CT

9:00 AM Butyrate-Producing Gut Bacteria and Future Development of Viral Infections in Kidney Transplant Recipients (Abstract #203)

J. Lee1, J. Huang1, M. Magruder1, L. Zhang1, M. Lubetzky1, D. Dadhania1, E. Eduse1, E. Pamer2, M. Suthanthiran1, 1Weill Cornell Medicine, New York, NY, 2Memorial Sloan Kettering Cancer Center, New York, NY

AST Presidential Address

Veterans Auditorium
9:15 am – 9:45 am

Dianne B. McKay, MD, FAST
The Scripps Research Institute
La Jolla, CA, USA

ASTS Presidential Address

Veterans Auditorium
9:45 am – 10:15 am

Dixon B. Kaufman, MD, PhD
University of Wisconsin
Madison, WI, USA

Thomas A. Starzl State-of-the-Art Speaker

Veterans Auditorium
10:15 am – 10:45 am

Synthetic Organs
George M. Church, PhD,
Wyss Institute at Harvard Medical School
Boston, MA, USA

Coffee Break in Exhibit Hall
10:45 am – 11:15 am

Hall C/D

Midday Symposia: Interactive
11:15 am – 12:45 pm

To Transplant or Not to Transplant: Can the Virtual Crossmatch Answer this Question?

Room 313
Moderators: Peter Jindra, PhD, D(ABHI), Baylor College of Medicine, Houston, TX, USA. Elaine Reed, Ph.D., D(ABHI), UCLA, Los Angeles, CA, USA.

11:15 am  Proceeding Without a Physical XM for High Risk Patients
Howard Gebel, PhD, Emory University Hospital, Atlanta, GA, USA.

11:35 am  How we do Virtual Crossmatching for Thoracic Transplantation
Michelle Hickey, PhD, D(ABHI), UCLA Immunogenetics, Los Angeles, CA, USA.

11:55 am  Optimizing Unacceptable Antigen Listing for Highly Sensitized Renal Transplant Candidates
Anat Tambur, DMD PhD, Northwestern University, Chicago, IL, USA.

12:15 pm  How to Avoid Breaking the Chains
Michael Cecka, PhD, UCLA Immunogenetics Center, Los Angeles, CA, USA.

12:35 pm  Panel Discussion
Results of the Consensus Conference on Frailty in Solid Organ Transplantation

Ballroom C
Moderators: John A. Kobashigawa, MD, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, USA. Joanna Schaanman, MD, PhD, UCLA Health, Los Angeles, CA, USA.

11:15 am  Frailty in Liver Transplantation
Jennifer Lai, MD, MBA, UCSF, San Francisco, CA, USA.

11:35 am  Frailty in Heart Transplantation
Palak Shah, MD, MS, Inova Heart and Vascular Institute, Falls Church, VA, USA.

11:55 am  Frailty in Kidney Transplantation
Darshana Dadhania, MD, MS, Weill Cornell Medicine, New York, NY, USA.

12:15 pm  Frailty in Lung Transplantation
Cassie Kennedy, MD, Mayo Clinic, Rochester, MN, USA.

12:35 pm  Panel Discussion

1000 LDLTS in the US: Pipedream or Near Future

Room 306
Moderators: Jean Emond, MD, Columbia University, New York, NY, USA. Swaytha Ganesh, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA.

11:15 am  Non-Directed Donation in LDLT
Cristiano Quintini, MD, Cleveland Clinic, Cleveland, OH, USA.

11:35 am  Time to Change Pardigm for Liver Transplant
Abhinav Humar, MD, University of Pittsburgh, Pittsburgh, PA.

11:55 am  LDLT Lessons from Overseas: Where it Works and Where it Doesn’t
Deniz Balci, MD, Ankara University, Ankara, Turkey.

12:15 pm  Will UNOS Policy Changes Bring Back LDLT?
Benjamin Samstein, MD, Weill Cornell Medicine, Brooklyn, NY, USA.

12:35 pm  Panel Discussion

Midday Symposia: Didactic
11:15 am – 12:45 pm

Normothermic Machine Perfusion of Livers: Are we Ready for Prime Time?

Room 311
Moderators: David Foley, MD, University of Wisconsin, Madison, WI, USA. David Classen, MD, UNOS, Richmond, VA, USA.

11:15 am  Perfusion Emerges from the Niche as a Standard of Practice

11:35 am  Audience Discussion

11:45 am  Barriers and Challenges to Implementation of Liver NMP Program at Your Transplant Center
Andrew Barbas, MD, Duke University, Durham, NC, USA.

12:05 pm  Audience Discussion

12:15 pm  Perfusion and Beyond: Optimizing Marginal Livers for Transplantation Future Approaches
Korkut Uygun, PhD, Massachusetts General Hospital, Boston, USA.

12:35 pm  Audience Discussion

A Multiparametric Approach to Deceased Kidney Donor Assessment

Veterans Auditorium
Moderators: Richard N. Formica, MD, Yale School of Medicine, New Haven, CT, USA. Ron Shapiro, MD, Recantation/Miller Transplantation Institute, Mt. Sinai, New York, NY, USA.

11:15 am  Clinical Assessment of the Deceased Kidney Donor: Beyond KDPI
Stuart M. Greenstein, MD, Montefiore Medical Center, Bronx, NY, USA.

11:35 am  Audience Discussion

11:45 am  Histologic Assessment of Donor Kidney Biopsies: Are They Helpful or do They Merely Increase the Discard Rate?
Parmjeet Randhawa, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA.
12:05 pm  Audience Discussion

12:15 pm  Molecular Assessment of Preimplantation Biopsies
Enver Akalin, MD, FAST, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY, USA.

12:35 pm  Audience Discussion

Opioid Stewardship in Solid Organ Transplant: It Takes a Multidisciplinary Approach

Room 304
Moderators: Elizabeth Cohen, PharmD, BCPS, Yale New Haven Hospital, New Haven, CT, USA. James N. Fleming, PharmD, Medical University of South Carolina, Charleston, SC, USA.

11:15 am  Identifying Patients with a Problem: Pretransplant Screening and Management for Opioid Addiction
Georgene Smith, MHS, MS, The Hospital of the University of Pennsylvania, Philadelphia, PA, USA.

11:35 am  Audience Discussion

11:45 am  Opioid-minimizing Medication Regimens for Transplant Donors and Recipients
Maya Campara, PharmD, University of Illinois at Chicago, Chicago, IL, USA.

12:05 pm  Audience Discussion

12:15 pm  Designing and Implementing a Large Surgical Opioid Stewardship Program
Michael Engelsbe, MD, University of Michigan, Ann Arbor, MI, USA.

12:35 pm  Audience Discussion

CMV: Cutting Edge Approaches to Taming the Troll of Transplant

Ballroom B
Moderators: Judith Anesi, MD, University of Pennsylvania, Philadelphia, PA, USA. Ajit Lamaye, MD, UW Medicine, Seattle, WA, USA.

11:15 am  Diagnostics – Where Do We Go Next? Is a Universal Threshold Attainable or Should We Move to Individualized Medicine Approach?
Raymund Razonable, MD, Mayo Clinic, Rochester, MN, USA.
Vascular Flow Problems: An Achilles Heel in Pediatric Liver Transplantation

Room 210
Moderators: John Goss, MD, Baylor College of Medicine, Houston, TX, USA. Patrick J. Healey, MD, Seattle Children’s Hospital, Seattle, WA, USA.

11:15 am Options for Management of Insufficient Portal Flow in Pediatric Liver Transplant
Carlos O. Esquivel, MD, PhD, Stanford Abdominal Transplantation, Stanford, CA, USA.

11:35 am Audience Discussion

11:45 am How I Do the Hepatic Artery Anastomosis: Microscope Versus Loops
Mark Cattral, MD, F.R.C.S.C., University of Toronto, Toronto, Ontario.

12:05 pm Audience Discussion

12:15 pm Choosing the Type and Graft Size for Small Liver Recipients
Dominique Jan, MD, Montefiore Medical Center, Bronx, NY, USA.

12:35 pm Audience Discussion

From Policy to Postop: Opioid and Benzodiazepine Use Across the Transplant Process

Room 208
Moderators: Mary Amanda Dew, PhD, University of Pittsburgh School of Medicine and Medical Center, Pittsburgh, PA, USA. Kristin Kronsoble, PhD, Tampa General Hospital, Tampa, FL, USA.

11:15 am Opioid and Benzodiazepine Use in Lung Transplant Candidates: A National Survey of Policies and Practices
Heather Bruschwein, PsyD, University of Virginia, Charlottesville, VA, USA.

11:35 am Audience Discussion

11:45 am The Percs of Transplant: Non-Prescription Drug Use Among Transplant Recipients
Krista Lentine, MD, PhD, Saint Louis University, Saint Louis, MO, USA.

12:05 pm Audience Discussion

12:15 pm Marijuana Post Transplant
Akhil Shenoy, MD, MPH, Columbia University Medical Center, New York, NY, USA.

12:35 pm Audience Discussion

How Does Immunosuppression and Rejection Impact the Long-Term Survival of the Intestinal Transplant Recipient?

Room 206
Moderators: Thomas Fishbein, MD, MedStar, Washington, DC, USA. Simon Horslem, MB, ChB, Seattle Children’s Hospital, Seattle, WA, USA.

11:15 am Importance of Intestinal and Liver Histopathology in the Patient with Short Gut Syndrome and the Intestinal Transplant Recipient: ACR, AMR, Chronic Rejection and Other Complications
Maria Isabel Fiel, MD, Mount Sinai, New York, NY, USA.

11:35 am Audience Discussion

11:45 am How Do We Prevent Rejection and Does AMR in the Intestinal Transplant Patient Exist? - DSA Monitoring, Protocol Intestinal Biopsies, Pre-Transplant Desensitization
Debra Sudan, MD, Duke University Hospital, Durham, NC, USA.

12:05 pm Audience Discussion

12:15 pm Complications of Immunosuppression: PTLD, GVHD, Cancer and Infections
Alan Langnas, DO, University of Nebraska, Omaha, NB, USA.

12:35 pm Audience Discussion

Reproductive Health Issues in Transplant

Room 309
Moderators: Christina Klein, MD, Piedmont, Atlanta, GA, USA. Deirdre Sawinski, MD, University of Pennsylvania, Philadelphia, PA, USA.

11:15 am Care of the Transgender Transplant Recipient
Loreta Matheo, MD, Children’s Hospital of Pittsburgh, Pittsburgh, PA, USA.

11:35 am Audience Discussion
11:45 am  Hormonal Management Across the Lifespan: Contraception, Conception and Menopause
Christina Doligalski, PharmD, BCPS, University of North Carolina Health System, Chapel Hill, NC, USA.

12:05 pm  Audience Discussion

12:15 pm  Long Term Health in Women After Transplant: Bone Health and Reproductive Malignancies
Michelle Josephson, MD, University of Chicago Medicine, Chicago, IL, USA.

12:35 pm  Audience Discussion

Liver Recipient Selection: Where Do You Draw the Line?

Room 312
Moderators: Francois Durand, Professor, Hospital Beaujon, Clichy, University Paris Diderot, France. Goran Klintmalm, MD, PhD, Baylor University Medical Center, Dallas, TX, USA.

11:15 am  Recipient with MELD > 40
Mitra Nadim, MD, FASN, University of Southern California, Los Angeles, CA, USA.

11:35 am  Audience Discussion

11:45 am  How Old is Too Old for a Combined Liver/Kidney Transplantation?
John Fung, MD, PhD, University of Chicago Medicine, Chicago, IL, USA.

12:05 pm  Audience Discussion

12:15 pm  Lessons Learnt from the Liver Eaters
Thomas D. Schiano, MD, The Mount Sinai Medical Center, New York, NY, USA.

12:35 pm  Audience Discussion

Coinhibitory Pathways: From Bench to Bedside

Ballroom A
Moderators: David Matthews, MD, PhD, Emory University, Atlanta, GA, USA. Anil Chandraker, MD, Brigham and Women’s Hospital, Boston, MA, USA.

11:15 am  Bench: Coinhibitory Pathways in Transplantation
Peter Sage, PhD, Brigham and Women’s Hospital, Boston, MA, USA.

11:35 am  Audience Discussion

11:45 am  Translational: Preclinical Models of Coinhibitory Blockade
Leonardo V. Riella, MD, PhD, Brigham and Women’s Hospital, Boston, MA, USA.

12:05 pm  Audience Discussion

12:15 pm  Clinical: Bringing Coinhibitory Modulation to the Clinic
Haydn Kissick, PhD, Emory University, Atlanta, GA, USA.

12:35 pm  Audience Discussion

Lymphatics in Transplantation

Room 302
Moderators: Mandy Ford, PhD, Emory University, Atlanta, GA, USA. Jonathan Bromberg, MD, PhD, University of Maryland School of Medicine, Baltimore, MD, USA.

11:15 am  Lymphatics in Chronic Rejection

11:35 am  Audience Discussion

11:45 am  Lymphatics and Immunometabolism
Brian Wong, PhD, Washington University School of Medicine, St. Louis, MO, USA.

12:05 pm  Audience Discussion

12:15 pm  Lymph Node Scarring in Transplantation
Reza Abdi, MD, Brigham and Women’s Hospital, Boston, MA, USA.

12:35 pm  Audience Discussion

Break
12:45 pm – 1:00 pm

Sponsored Satellite Symposia
1:00 pm – 2:15 pm
Satellite Symposia are open to all registered Congress attendees. Satellite Symposia take place at the Sheraton Boston Hotel. Please check the ATC website, www.atcmeeting.org, or ATC mobile app (ATC19) for the full Satellite Symposia program listing.
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<td>Luncheon Workshops (Additional Fees - Limited Ticketed Events)</td>
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<td>Two for the Price of One: The Explosion of Combined Heart-Kidneys and Lung-Kidneys</td>
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<td>1:00 pm – 2:15 pm</td>
<td>Moderators: Felicitas Killer, MD, The University of Mississippi Medical Center, Jackson, MS, USA. Deborah Levine, MD, University of Texas Health Center San Antonio, San Antonio, TX, USA.</td>
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<td>Moderators: Heather Bruschwein, PsyD, University of Virginia, Charlotteseville, Va, USA. Michelle Jesse, PhD, Henry Ford Health System, Detroit, MI, USA.</td>
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<td>Moderators: Katie Cunningham, PharmD, BCPS, Northwestern Memorial Hospital, Chicago, IL, USA. Ashley Feist, PharmD, BCPS, UC San Diego Health, San Diego, CA, USA. Bharath Ravichandran, PharmD, BCPS, University of Maryland Medical Center, Baltimore, MD, USA.</td>
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**Looking Under the Hood of High Impact Research: From Idea to AJT Publication**

Cafe, Across from Hall A Registration

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<td>Allan Kirk, MD, PhD, Duke University School of Medicine, Durham, NC, USA.</td>
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68
Break 2:15 pm-2:30 pm

Concurrent Oral Abstract Sessions 2:30 pm – 4:00 pm

Kidney Complications: Late Graft Failure II
Veterans Auditorium
Chairs: D. Dadhania, Weill Cornell Medicine - NYPH, New York, NY and E. Khankin, BIDMC/HMS, Boston, MA

2:30 PM Epitop Matching Predicts Immunization in Kidney Transplant Recipients with Allograft Failure Leading to Worse Outcomes (Abstract #204)
F. Halleck¹, M. Merkel¹, P. Bach², D. Schmidt¹, M. Niemann³, N. Lachmann³, K. Budde¹, 'Nephrology, Charite, Berlin, Germany, ²Institute of Biometry and Clinical Epidemiology, Charite, Berlin, Germany, ³PIRCHE AG, Berlin, Germany

2:42 PM C4d Positivity in Renal Biopsies Following A2 to B Kidney Transplantation: Not All A B O Incompatibilities Are Equal (Abstract #205)
S. Radomska¹, G. Vranic², B. Thomas², P. Abrams², M. Cooper², A. Gilbert², ¹Georgetown University School of Medicine, Washington, DC, ²Medstar Georgetown Transplant Institute, Washington, DC

2:54 PM Donor Derived Cell Free DNA Initiates De-Novo Donor Specific Antibody (DSA) Responses (Abstract #207)
S. Jordan¹, D. Sawinski², S. Dholakia³, ¹Cedars-Sinai, Los Angeles, CA, ²Hospital of the University of Pennsylvania, Philadelphia, PA, ³CareDx, Brisbane, CA

3:06 PM Humoral Immune Responses to Kidney Associated Non-HLA Antigens is Not Associated with Progression to Chronic Immune Injury in Kidney Transplant Recipients (Abstract #208)
S. Sukumaran Nair¹, R. Ravichandran¹, R. Heilman¹, A. Jaramillo¹, D. Ramon¹, M. Buras¹, B. Kaplan¹, T. Mohanakumar², ¹Mayo Clinic, Phoenix, AZ, ²St. Joseph’s Hospital, Phoenix, AZ

3:18 PM Angiotensin II Type 1 Receptor Antibodies Improve Risk Stratification for Kidney Allograft Outcomes at the Time of Transplantation (Abstract #209)
C. Lefaucheur¹, D. Viglietti¹, Y. Bouatou¹, A. Philippe², D. Pievani¹, O. Aubert¹, D. Glotz¹, C. Legendre¹, A. Loupy¹, D. Dragun², ¹Paris Translational Research Center for Organ Transplantation, Paris, France, ²Medical Faculty of the Charité Berlin, Berlin, Germany

3:30 PM Circulating Mirnas Regulate Gene Expression In Kidney Tissue During Transplant Glomerulopathy (Abstract #210)
C. Kuscu¹, V. Sai Bontha¹, C. Kuscu¹, D. Maluf¹, A. Bajwa¹, J. Eason¹, V. Mas¹, E. Akalin², ¹UTHSC, Memphis, TN, ²Albert Einstein College of Medicine, NYC, NY

3:42 PM The Use of dd-cfDNA as a Predictive Tool for Outcome Decreased Kidney Function (Abstract #206)
T. Alhamad¹, E. Poggio², D. Hiller³, S. Dholakia², P. Sood⁴, ¹Washington University School of Medicine, St. Louis, MO, ²Cleveland Clinic, Cleveland, OH, ³CareDx, Brisbane, CA, ⁴University of Pittsburgh Medical Center, Pittsburgh, PA
Kidney Deceased Donor Allocation II

Ballroom B
Chairs: O. Ekwenna, Riverside Medical Center-Rush Health System, Toledo, OH and R. Parsons, Emory University School of Medicine, Atlanta, GA

2:30 PM Regional Differences in Transplantation for Expected Post-Transplant Survival Top 20% Candidates (Abstract #211)
S. Husain, K. King, D. Tsapepas, G. Dube, D. Cohen, L. E. Ratner, S. Mohan, Columbia University Medical Center, New York, NY

2:42 PM Measuring and Monitoring Disparities in Access to Kidney Transplantation Associated with Being Listed for a Multi-Organ Transplant (MOT) (Abstract #212)
D. E. Stewart, C. A. Custer, A. M. Robinson, A. R. Wilk, UNOS, Richmond, VA

T. Butler¹, A. Rana², S. Fink¹, ¹Transplant Surgery, Crozer Prospect Medical Center-Drexel University, Upland, PA, ²Transplant Surgery, Baylor College of Medicine, Houston, TX

3:06 PM Dialysis Facility Profit Status and Referral for Kidney Transplantation (Abstract #214)
E. R. Walker¹, L. J. McPherson¹, J. C. Gander², S. Pastan¹, R. E. Patzer¹, ¹Emory University School of Medicine, Atlanta, GA, ²Kaiser Permanente Georgia, Atlanta, GA

B. Koons³, M. L. Henderson², A. G. Thomas³, T. Kear³, H. Moriarty³, ³School of Nursing, University of Pennsylvania, Philadelphia, PA, ²Department of Surgery in the Division of Transplantation, Johns Hopkins University, Baltimore, MD, ³Department of Epidemiology, University of North Carolina, Chapel Hill, NC, ²M. Louise Fitzpatrick College of Nursing, Villanova University, Villanova, PA

3:30 PM Racial/Ethnic and Socio-Economic Disparities: Single versus Multi-Organ Transplant Recipients (Abstract #216)
C. A. Custer¹, K. Ladin², J. Entwistle³, E. J. Gordon⁴, ¹United Network for Organ Sharing, Richmond, VA, ²Tufts University, Medford, MA, ³Thomas Jefferson University, Washington, DC, ⁴Northwestern University, Chicago, IL

3:42 PM Hard-to-Place Kidney Offers: Through the Lens of the United Network for Organ Sharing Organ Center (Abstract #217)
S. M. Noreen, R. S. Brown, M. Lane, B. Wolford, C. A. Humphries, United Network for Organ Sharing, Richmond, VA

Kidney Donor Selection / Management Issues II

Ballroom C
Chairs: M. Hobeika, Houston Methodist, Houston, TX and H. Gritsch, University of California Los Angeles (Urology), Los Angeles, CA

2:30 PM The Degree of Glomerulosclerosis in Procurement Renal Biopsy and its Implications in Predicting Graft Outcomes in Marginal Donor Kidneys (Abstract #218)
W. Cheungpasitporn¹, W. Chon², E. Island³, L. Cummings³, J. Forster³, N. Leepaphorn³, ¹University of Mississippi Medical Center, Jackson, MS, ²Saint Luke’s Health System, Kansas City, MO
2:42 PM Kidney Transplant Outcomes and Organ Acceptance Practice Patterns: Nationwide Analyses of the US and France (Abstract #219)
O. Aubert1, P. P. Reese2, Y. Bouatou1, M. Raynaud3, C. Legendre1, D. Glotz1, C. Lefaucheur1, C. Jacquelinet3, A. Loupy1, 1Paris Translational Center for Organ Transplantation, Paris, France, 2Department of Medicine, Renal-Electrolyte and Hypertension Division, University of Pennsylvania, Philadelphia, PA, 3Agence de la Biomédecine, Paris, France

3:42 PM An International Comparison of Kidney Utilization in the United States and United Kingdom: What Can Be Learned? (Abstract #220)
D. Stewart1, G. Vece1, M. Ibrahim2, C. Callaghan2, 1UNOS, Richmond, VA, 2NHS, London, United Kingdom

Liver Transplant Complications and Retransplantation I

Ballroom A

Chairs: A. Humar, Thomas E Starzl Transplant Inst, Pittsburgh, PA and T. Schiano, The Mount Sinai Medical Ctr, New York, NY

2:30 PM Predictors and Outcomes of Acute Graft-versus-Host Disease after Liver Transplant (Abstract #225)
A. Caines1, S. Nagai2, R. Salgia1, 1Gastroenterology and Hepatology, Henry Ford Health System, Detroit, MI, 2Transplant Surgery, Henry Ford Health System, Detroit, MI

2:42 PM Renoportal Anastomosis in Liver Transplantation: Results from a Propensity Score-Based Outcome Analysis (Abstract #226)

2:54 PM The Impact of Portal Flow after Reperfusion on Graft Outcomes after Deceased Donor Liver Transplantation (Abstract #227)
H. Matsushima, K. Sasaki, M. Fujiki, T. Diago Uso, B. Eghtesad, F. Aucejo, C. Kwon, C. Miller, C. Quintini, K. Hashimoto, General Surgery, Digestive Disease & Surgery Institute, Cleveland Clinic, Cleveland Clinic, Cleveland, OH

2:54 PM Impact Of Cold And Warm Ischemia Time On Outcomes For Kidneys Donated After Cardiac Death (Abstract #221)
C. Brennan1, P. R. Sandoval2, S. A. Husain2, D. Tsapepas1, S. Mohan2, L. E. Ratner2, 1New York Presbyterian, New York, NY, 2Columbia University Medical Center, New York, NY

3:06 PM Increase in Deceased Donor Acceptance Rate After Implementing Uniform Acceptance Criteria (Abstract #222)
C. Klein, T. Ommert, J. Hundley, J. Lizcano, A. Ray, R. Cross, K. Payne, Piedmont Transplant Institute, Atlanta, GA

3:18 PM Machine Perfusion Allows Use of High KDPI and Prolonged Cold Ischemia Time in Deceased Donors: A Single Center Effort to Decrease Discard Rates (Abstract #223)
M. Ortigosa-Goggins, J. Gaynor, A. Mattiazzi, J. Figueiro, G. Burke, G. Ciancio, G. Guerra, Miami Transplant Institute, University of Miami, Miami, FL

3:30 PM Kidney Donor Outcomes \(\geq 50\) Years Post Donation (Abstract #224)
D. Keys, S. Jackson, A. Matas, University of Minnesota, Minneapolis, MN
3:06 PM  The Impact of Sleeve Gastrectomy Following Liver Transplant in Patients with Non-Alcoholic Steatosis: A Five-Year Experience (Abstract #228)
M. C. Morris¹, A. D. Jung¹, Y. Kim¹, V. K. Dhar¹, S. Shah¹, D. Schauer², E. Smith², T. Diwan³, ¹Surgery, University of Cincinnati, Cincinnati, OH, ²Medicine, University of Cincinnati, Cincinnati, OH

3:18 PM  Proximal Splenic Artery Embolization For Refractory Ascites And Hydrothorax After Liver Transplant: A Single Center Analysis Of Factors Associated With Success (Abstract #229)

3:30 PM  The Impact of Extra-Anatomical Hepatic Artery Reconstruction during Living Donor Transplantation on Biliary Complications and Graft and Patient Survival (Abstract #230)
Y. Chung, J. Kim, S. Kim, J. Rhu, S. Lee, K. Lee, S. Lee, G. Choi, J. Park, S. Kim, J. Joh, S. Lee, Transplantation, Samsung Medical Center, Seoul, Korea, Republic of

3:42 PM  The Comparative Safety and Efficacy of Direct Acting Oral Anticoagulants Relative to Warfarin Following Liver Transplantation (Abstract #231)
A. Santeusanio, A. Weinberg, T. Schiano, Mount Sinai Hospital, New York, NY

Infectious Epidemiology

Room: 304
Chairs: E. Blodget, USC Keck School of Medicine, Los Angeles, CA and R. Miller, Duke University, Durham, NC

2:30 PM  Bezlotoxumab for Prevention of Recurrent Clostridium difficile Infection in Solid Organ Transplant Recipients at an Academic Medical Center (Abstract #232)
J. S. Kerr, N. Law, S. Aslam, Center for Transplantation, University of California, San Diego Health System, La Jolla, CA

2:42 PM  Routine Molecular Clostridioides difficile Screening and Overtreatment in Solid Organ Transplant Recipients (Abstract #233)
M. E. Newman¹, C. Oehler¹, M. Enriquez¹, E. Landon¹, C. T. Nguyen², N. N. Pettit³, J. P. Ridgway¹, J. Pisano¹, ¹Section of Infectious Disease, University of Chicago Medicine, Chicago, IL, ²Department of Pharmacy, University of Chicago Medicine, Chicago, IL

2:54 PM  Contemporary US Prevalence and Outcomes of Pneumocystis jirovecii Pneumonia and Toxoplasmosis in Pediatric Solid Organ and Hematopoietic Cell Transplantation Recipients (Abstract #234)
M. I. Ardura¹, J. Stanek², B. Hanisch³, B. Hanisch³, K. Sproll⁴, H. Rangarajan⁵, ¹Pediatrics, Infectious Diseases & Host Defense, Nationwide Children’s Hospital & The Ohio State University, Columbus, OH, ²Pediatrics, Biostatistics, Nationwide Children’s Hospital, Columbus, OH, ³Pediatrics, Infectious Diseases, Children’s National Health System, Washington, DC, ⁴Pediatrics, Infectious Diseases, Children’s National Health System & The George Washington University, Washington, DC, ⁵Pediatrics, Pharmacy, Medical University of South Carolina, Charleston, SC, ⁶Pediatrics, Hematology/Oncology/HCT, Nationwide Children’s Hospital & The Ohio State University, Columbus, OH
3:06 PM  Infectious Complications of Eculizumab Use in Abdominal Organ Transplant Recipients (Abstract #235)
A. M. Nolan¹, E. J. Fraser², H. K. Grewal², J. G. Timpone³, ¹Department of Pharmacy, Medstar Georgetown University Hospital, Washington, DC, ²Georgetown University School of Medicine, Washington, DC, ³Division of Infectious Diseases and Travel Medicine, Medstar Georgetown University Hospital, Washington, DC

3:18 PM  Spontaneous Bacterial Peritonitis Prophylaxis Increases the Risk of Multi-Drug Resistant Cultures and Infections in Liver Transplant Patients (Abstract #236)
R. Rosenblatt, A. Schluger, M. Pereira, E. Verna, Columbia University Medical Center, New York, NY

3:30 PM  Predictors of Multidrug-Resistant Organisms among Solid Organ Transplant Donors (Abstract #237)
J. A. Anesi¹, E. A. Blumberg¹, J. H. Han¹, D. H. Lee², H. Clauss³, A. Climaco⁴, R. Hasz⁵, E. Molnar⁵, D. Alimenti¹, S. West⁵, W. Bliker¹, P. Tolomeo¹, E. Lautenbach¹, ¹University of Pennsylvania, Philadelphia, PA, ²Drexel University College of Medicine, Philadelphia, PA, ³Temple University, Philadelphia, PA, ⁴Albert Einstein Medical Center, Philadelphia, PA, ⁵Gift of Life Donor Program, Philadelphia, PA

3:42 PM  The Outcomes after an Infection in Older Liver Transplant Recipients is Comparable to Younger Adults (Abstract #238)
J. Garcia-Diaz¹, M. Kerkelis², T. Shah³, M. Tucker⁴, M. Gastanaduy⁵, J. Woo⁶, M. Ponder⁷, M. Malinis⁸, M. Malinis⁸, ¹Infectious Diseases, Ochsner Medical Center, New Orleans, LA, ²University of Queensland/Ochsner Clinical School, New Orleans, LA, ³Internal Medicine, St. Joseph Hospital, Denver, CO, ⁴Internal Medicine, Yale School of Medicine, New Haven, CT, ⁵Center for Outcomes and Health Services Research, Ochsner Medical Center, New Orleans, LA, ⁶Infectious Diseases, Yale School of Medicine, New Haven, CT

Kidney Psychosocial I: Cognitive and Behavioral Factors
Room: 302
Chairs: M. Chisholm-Burns and University of TN College of Pharm, Memphis, TN

2:30 PM  Patient-Reported Outcomes in a Prospective Multicenter Trial of Belatacept-Based CNI- and Corticosteroid-Free Immunosuppression Regimens in Kidney Transplantation (Abstract #239)
J. M. Rohan¹, J. P. Leone², E. S. Woodle³, D. Kaufman⁴, A. R. Shields³, A. Wiseman³, A. J. Matas⁵, P. West-Thielke⁶, E. King⁶, R. R. Alloway³, ¹Children's Hospital of Richmond at Virginia Commonwealth University, Richmond, VA, ²Tampa General Hospital, Tampa, FL, ³University of Cincinnati College of Medicine, Cincinnati, OH, ⁴University of Wisconsin – Madison, Madison, WI, ⁵University of Colorado - Denver, Denver, CO, ⁶University of Minnesota Medical Center, Minneapolis, MN, ⁷University of Illinois – Chicago, Chicago, IL

2:42 PM  Cognitive Function & Risk Of Adverse Outcomes In Kidney Transplant Candidates (Abstract #240)
N. Chu¹, Z. Shi¹, H. Ying¹, C. Haugen¹, S. Norman², D. Segev¹, M. McAdams-DeMarco¹, ¹JHU, Baltimore, MD, ²Michigan Medical Center, Ann Arbor, MI
2:54 PM Evaluation of Medication Burden in Kidney Transplant Recipients at Time of Index Hospitalization (Abstract #241)
J. Hardcopf, H. Meadows, T. Harrison, H. Corbo, B. O'brien, J. N. Fleming, C. Perez, N. Patel, N. Pilch, P. K. Baliga, D. DuBay, D. Taber, 1Department of Pharmacy Services, Medical University of South Carolina, Charleston, SC, 2Division of Transplant Surgery, Department of Surgery, Medical University of South Carolina, Charleston, SC

3:06 PM Your Path to Transplant Education Increases Patients’ Transplant Knowledge, Attitudes, Informed Decision-Making, and Pursuit: An Randomized Controlled Trial (Abstract #242)
A. D. Waterman, Y. Cui, J. D. Peipert, J. L. Beaumont, C. S. Anderson, 1Division of Nephrology, University of California, Los Angeles, Los Angeles, CA, 2Terasaki Research Institute, Los Angeles, CA, 3Department of Medical Social Sciences, Northwestern University, Chicago, IL, 4Department of Psychology, University of Rhode Island, Kingston, RI

V. Tsarpali, K. Lønning, K. Midtvedt, T. Bernklev, N. von der Lippe, M. H. Andersen, K. Heldal, 1Clinic of Internal Medicine, Telemark Hospital Trust, Skien, Norway, 2Department of Transplantation Medicine, Oslo University Hospital, Oslo, Norway, 3Vestfold Hospital Trust, Tønsberg, Norway, 4Oslo University Hospital, Oslo, Norway

3:30 PM The Effect of Kidney Transplantation on Neurocognitive Function: A Prospective Study (Abstract #244)
B. P. Concepcion, J. C. Jackson, A. Kiehl, R. Adu-Boahene, E. Collar, M. Reed, M. Sika, J. Van, R. C. Forbes, Vanderbilt University Medical Center, Nashville, TN

3:42 PM Non-adherence With Diet And Dialysis Prescription: Predictors Of Non-adherence Post-transplant? (Abstract #245)
A. Padiyar, A. Agrawal, D. Hricik, P. Bate, J. Rockwell, A. Eliason, N. Sarabu, A. Jittirat, K. Yadav, E. Sanchez, M. Debroy, V. Humphreville, J. Rabets, A. Palanisamy, K. Chavin, 1Medicine, Nephrology, University Hospitals Cleveland Medical Center, Cleveland, OH, 2Transplant Surgery, University Hospitals Cleveland Medical Center, Cleveland, OH

Antigen Presentation and Allorecognition
Room: 311
Chairs: A. Gelman, Washington University of Medicine, Saint Louis, MO and D. Kreisel, Washington University St Louis, St. Louis, MO

2:30 PM Tolerogenic Nanoparticles Targeting the Aryl Hydrocarbon Receptor (Abstract #246)
K. Janek, J. Fechner, S. Gong, Y. Wang, J. Mezrich, 1Department of Surgery, Division of Transplantation, University of Wisconsin Hospital and Clinics, Madison, WI, 2Department of Biomedical Engineering, University of Wisconsin Madison, Madison, WI

2:42 PM mTORC2 Restricts mTORC1 Metabolic Function in Dendritic Cells to Limit Their Allostimulatory Activity (Abstract #247)
H. Dai, A. Watson, A. Menk, D. Stolz, G. Delgoffe, A. Thomson, 1Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA, 2Tumor Microenvironment Center, University of Pittsburgh Cancer Institute, Pittsburgh, PA, 3Department of Cell Biology, University of Pittsburgh, Pittsburgh, PA
2:54 PM  Myeloid AXL Promotes Cardiac Allograft Vasculopathy (Abstract #248)
K. E. Glinton¹, X. Yeap¹, Z. J. Zhang², X. Luo³, E. B. Thorp¹, ¹Pathology, FCVRRI, Northwestern University - Feinberg School of Medicine, Chicago, IL, ²Surgery, Northwestern University - Feinberg School of Medicine, Chicago, IL, ³Duke Transplant Center, Duke University School of Medicine, Durham, NC

2:54 PM  Biomarkers, Immune Monitoring and Outcomes II
Room: 306
Chairs: E. Akalin, Albert Einstein College of Medicine, Montefiore Medical Ctr, Bronx, NY and M. McGrath, MA

2:30 PM  Microscopic Hepatic Steatosis Prior to Liver Transplantation Influences Clinical Outcomes (Abstract #257)

2:42 PM  Super-resolution Evaluation Of The Glomerular Basement Membrane Changes In The Course Of Transplant Glomerulopathy (Abstract #253)
D. Hammad, J. H. Miner, T. Alhamad, H. Suleiman, Washinton University in St. Louis, St. Louis, MO

3:30 PM  The Frequency of Tissue-Resident Donor T and NK Cells in Peripheral Blood after Lung Transplantation is Modulated by Normothermic Ex Vivo Lung Perfusion (Abstract #254)
C. S. Falk¹, B. Wiegmann², A. Hitz¹, R. Bellmas-Sanz¹, K. Bläsing¹, F. Ius², C. Kühn², M. Avsar², I. Tudorache², J. Kühne¹, F. Wandrer¹, A. Haverich², G. Warnecke², ¹Institute of Transplant Immunology, Hannover Medical School, Hannover, Germany, ²Department of Cardiothoracic, Transplantation and Vascular Surgery, Hannover Medical School, Hannover, Germany

3:06 PM  Assessment of Serum Tim3 and Gal9 Levels in Predicting the Risk of Infection after Kidney Transplantation (Abstract #255)
Y. Shi¹, y. li², Y. Li², L. Yan², J. Tang², X. Wu², Y. Bai², Y. An², B. Dai², C. Yang², L. Wang², ¹Department of Nephrology, West China Hospital, Chengdu, China, ²Department of Laboratory Medicine, West China Hospital, Chengdu, China

3:06 PM  FTY720 Regulates Mitochondria Biogenesis in Dendritic Cells to Prevent Kidney Ischemic Reperfusion Injury (Abstract #249)
A. Baiwa¹, V. Bontha¹, C. Kuscu¹, L. Gallon², C. Kuscu¹, J. Eason³, D. Maluf¹, V. Mas³, ¹UTHSC, Memphis, TN, ²Northwestern University, Chicago, IL, ³Director Transplant Institute, Memphis, TN

3:06 PM  Super-resolution Evaluation Of The Glomerular Basement Membrane Changes In The Course Of Transplant Glomerulopathy (Abstract #253)
D. Hammad, J. H. Miner, T. Alhamad, H. Suleiman, Washinton University in St. Louis, St. Louis, MO

3:18 PM  Dendritic Cells Transduced with Autoimmune Regulator Exhibit Immature Properties and Prolong Heart Allograft Survival (Abstract #250)
Y. Zhang, Z. Zhu, M. Chen, S. Huang, C. Sun, W. Ju, Z. Guo, X. He, Organ Transplant Center, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China

3:30 PM  Tertiary Lymphoid Organs in Renal Chronic Allograft Rejection (Abstract #251)
K. Abou-Daya, D. Zhao, A. Williams, M. Oberbarnscheidt, Starzl Transplantation Institute, Pittsburgh, PA

3:42 PM  Prolongation of Allograft Survival via Donor MHC Chimerism Induced by Exosomes (Abstract #252)
B. Gonzalez Nolasco¹, M. Wang¹, W. Orent¹, A. Pruneviille¹, J. O¹, K. Ahrens¹, J. C. Madsen², G. Benichou¹, ¹Department of Surgery, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Department of Surgery, Center for Transplantation Sciences, Division of Cardiac Surgery, Massachusetts General Hospital, Boston, MA

3:42 PM  Prolongation of Allograft Survival via Donor MHC Chimerism Induced by Exosomes (Abstract #252)
B. Gonzalez Nolasco¹, M. Wang¹, W. Orent¹, A. Pruneviille¹, J. O¹, K. Ahrens¹, J. C. Madsen², G. Benichou¹, ¹Department of Surgery, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Department of Surgery, Center for Transplantation Sciences, Division of Cardiac Surgery, Massachusetts General Hospital, Boston, MA

3:54 PM  FTY720 Regulates Mitochondria Biogenesis in Dendritic Cells to Prevent Kidney Ischemic Reperfusion Injury (Abstract #249)
A. Baiwa¹, V. Bontha¹, C. Kuscu¹, L. Gallon², C. Kuscu¹, J. Eason³, D. Maluf¹, V. Mas³, ¹UTHSC, Memphis, TN, ²Northwestern University, Chicago, IL, ³Director Transplant Institute, Memphis, TN

3:06 PM  Microscopic Hepatic Steatosis Prior to Liver Transplantation Influences Clinical Outcomes (Abstract #257)

3:30 PM  Assessment of Serum Tim3 and Gal9 Levels in Predicting the Risk of Infection after Kidney Transplantation (Abstract #255)
Y. Shi¹, y. li², Y. Li², L. Yan², J. Tang², X. Wu², Y. Bai², Y. An², B. Dai², C. Yang², L. Wang², ¹Department of Nephrology, West China Hospital, Chengdu, China, ²Department of Laboratory Medicine, West China Hospital, Chengdu, China
3:18 PM  Targeted Proteomic Analysis Detects Acute T Cell-Mediated Kidney Allograft Rejection in Belatacept-Treated Patients (Abstract #256)
M. van der Zwan, D. A. Hesselink, M. C. Claohsen-van Groningen, C. C. Baan, Erasmus MC, Rotterdam, Netherlands

3:30 PM  Elevated Podocyte-specific Urinary Extracellular Vesicles In Patients With Fsgs Recurrence After Kidney Transplantation (Abstract #258)
H. Lau, A. Shimomura, E. Tantisattamo, U. G. Reddy, D. Dafoe, H. Ichii, University of California Irvine, Orange, CA

3:42 PM  CyTOF and RNAseq Analyses Unravel Early Phenotypic and Transcriptional Changes in Antibody-Secreting and Memory B Cells >1 Year Prior to Antibody-Mediated Rejection (Abstract #259)
C. Fischman¹, M. Fribourg¹, J. Ansari², L. Gallon², F. Ginevri³, P. Comoli⁴, M. Cioni³, A. Nocera³, M. Bruschi³, C. Cantarelli¹, L. Perin⁵, P. Cravedi¹, ¹Department of Medicine, Icahn School of Medicine at Mount Sinai, New York, NY, ²Department of Medicine, Northwestern University, Chicago, IL, ³Department of Medicine, IRCCS Istituto G. Gaslini, Genoa, Italy, ⁴Department of Medicine, IRCCS San Matteo Hospital, Pavia, Italy, ⁵Department of Urology, Children’s Hospital Los Angeles, Los Angeles, CA

2:30 PM  Granulocyte - Colony Stimulating Factor (G-CSF) and Granulocyte - Macrophage Colony Stimulating Factor (GM-CSF) Administration Augments the Incidence of Peripheral Blood Suppressive Regulatory T Cells in Nonhuman Primates (Abstract #260)
K. Sasaki, Y. Wang, L. Lu, J. Hughes, A. W. Thomson, M. B. Ezzelarab, Department of Surgery, Thomas E. Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA

2:42 PM  Mitochondrial Dysfunction and Metabolic Reprogramming: Critical Features of Cyclosporine A Nephrotoxicity (Abstract #261)
A. A. Zmijewska, G. Benavides, V. Darley-Usmar, J. W. Zmijewski, R. B. Mannon, University of Alabama at Birmingham, Birmingham, AL

2:54 PM  Impact Of Selective Cd28 Blockade On Protective Immunity To A Murine Epstein-Barr Virus Homolog (Abstract #262)
R. L. Crepeau, J. A. Elengickal, M. L. Ford, Surgery, Emory University, ATLANTA, GA

3:06 PM  Interruption of Notch Signaling via Blockade of Delta-Like Ligands 1 and 4 Prevents Co-Stimulation Blockade Resistant Allograft Rejection (Abstract #263)
A. Matar, Y. Dong, B. Lovasik, D. Mathews, A. Ghosh, C. Breeden, A. Stephenson, W. Kitchens, A. Adams, Surgery and Transplantation, Emory University, Atlanta, GA
3:18 PM  Dual Targeting Desensitization with Carfilzomib Plus Lulizumab Significantly Prolongs Kidney Transplant Survival in Allosensitized Nonhuman Primates (Abstract #264)

P. M. Schroder, R. Schmitz, Z. Fitch, B. Ezekian, J. Yoon, A. Choi, A. Barbas, F. Leopardi, B. Collins, J. Kwun, S. J. Knechtle, Department of Surgery, Duke University Medical Center, Durham, NC

3:30 PM  Graft Perfusion with Alvespimycin, an HSP90 Inhibitor, Suppresses IL-2 and IL-12p40 Production in Graft-Infiltrating Cells, Leading to Prolongation of Graft Survival in Murine Heart Transplantation (Abstract #265)

T. Tanaka, T. Maehana, N. Masumori, Department of Urology, Sapporo Medical University, Sapporo, Japan

3:42 PM  Utilizing Changing Patterns of T-cell Metabolism in Aging for Effective Immunosuppression (Abstract #266)

Y. Nian, T. Heinbokel, K. Minami, R. Maenosono, J. Iske, A. El Khal, S. G. Tullius, Transplant Surgery Research Lab, Brigham and Women’s Hospital, Boston, MA

Xenotransplantation

Room: 310

Chairs: M. Sykes, CCTI, New York, NY and R. N. Pierson

2:30 PM  CD46 Transgene Modification and Thrombosis in Neonatal Porcine Islet Xenotransplantation (Abstract #267)


2:42 PM  Progress Using Genetically Engineered Pigs for Lung Xenotransplantation (Abstract #268)

L. Burdorf¹, C. Laird², S. Sendil², T. Zhang³, D. Parsell³, I. Tatarov³, B. Cerel¹, Z. Abady¹, S. Pratts¹, C. J. Phelps³, D. L. Ayares³, A. M. Azimzadeh³, R. N. Pierson III¹, ¹Surgery, Center for Transplantation Sciences, Massachusetts General Hospital, Charlestown, MA, ²Surgery, University of MD, Baltimore, MD, ³Revivicor, Blacksburg, VA

2:54 PM  Anti-CD154/CD40 Costimulation Blockade is Superior to Tacrolimus in Prolonging Survival in Pig-to-Nonhuman Primate Renal Xenotransplantation (Abstract #269)

B. P. Lovasik¹, A. J. Matar¹, C. Breeden¹, J. Jenkins², J. Tector³, S. C. Kim¹, A. B. Adams¹, ¹Emory Transplant Center, Emory University, Atlanta, GA, ²Yerkes National Primate Center, Emory University, Atlanta, GA, ³University of Alabama at Birmingham, Birmingham, AL

3:06 PM  The Role of CD47/SIRPα and CD47/TSP-1 Pathways in Pig-to-Baboon Kidney Transplantation Using hCD47 Transgenic Kidneys (Abstract #270)

K. Takeuchi¹, Y. Ariyoshi¹, T. Pomposelli¹, L. Boyd¹, D. Ekanayake-Alper¹, S. Arn¹, R. Hawley¹, D. Ayares², M. Lorber³, M. Sykes¹, D. Sachs¹, R. Johnson⁴, K. Yamada¹, ¹CCTI/Surgery, Columbia University Medical Center, New York, NY, ²Revivicor Inc., Blacksburg, VA, ³Lung BioTechnology PBC, Silver Spring, MD, ⁴Division of Renal Diseases and Hypertension, University of Colorado, Aurora, CO
3:18 PM Newly-Revealed Antibody Targets Lead to the Early Loss of Triple Knockout Pig Kidneys in a Pig to Baboon Model (Abstract #271)
Y. Ariyoshi1, K. Takeuchi1, T. Pomposelli1, D. K. Ekanayake-Alper1, C. Schuetz1, H. Sahara1, L. Boyd1, E. Estime1, S. Arni1, D. Ayares2, M. Lorber3, M. Sykes1, D. Sachs1, K. Yamada1, 1CCTI/Surgery, Columbia University Medical Center, New York, NY, 2Revivicor Inc., Blacksburg, VA, 3Lung BioTechnology PBC, Silver Spring, MD

2:42 PM Histone Deacetylase-2 Knockout in Renal Tubular Cells is Protective in Renal Ischemia-Reperfusion Injury (Abstract #275)
P. T. Hernandez1, S. J. Concors1, L. Krumeich1, D. D. Aufhauser1, Z. Wang1, D. D. Murken1, G. Ge1, W. Hancock2, M. Levine3, 1General Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA, 2Pathology, Children’s Hospital of Philadelphia, Philadelphia, PA, 3Transplant Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA

3:30 PM Kidney Xenotransplantation from Genetically Engineered Pigs to Baboons with FDA-Approved Immunosuppressive Therapy (Abstract #272)
T. Yamamoto1, H. Hara1, J. Foote1, E. C. Klein2, H. J. Schuurman2, L. Wang3, Q. Li4, H. Zhou1, J. Li1, J. A. Tector1, Z. Zhang2, M. Ezzelarab2, R. Lovingood4, D. Ayares4, D. E. Eckhoff1, D. K. Cooper1, H. Iwase1, 1University of Alabama at Birmingham, Birmingham, AL, 2University of Pittsburgh, Pittsburgh, PA, 3Schubiomed Consultancy, Utrecht, Netherlands, 4Revivicor, Blacksburg, VA

3:42 PM Utilizing Ides To Eliminate Residual Antibodies Targeting Xenografts (Abstract #273)
C. Rickert1, K. Lee, N. Tanimine, J. Lei, A. Cuenca, N. Feeney, K. Deng, H. Yeh, J. F. Markmann, Massachusetts General Hospital, Boston, MA

2:54 PM Glycogen Synthase Kinase 3alpha Serine 21 Phosphorylation Inhibits Hepatocyte Autophagy to Facilitate Liver Ischemia Reperfusion Injury (Abstract #276)
M. Ni1, H. Zhou2, R. Busuttil1, J. Kupiec-Weglinski1, X. Wang3, Y. Zhai1, 1Surgery, Dumont-UCLA Transplant Center, Los Angeles, CA, 2Surgery, The First Affiliated Hospital of Nanjing Medical University, Nanjing, China

3:06 PM An Immediate and Persistent Post-Reperfusion Metabolic Collapse Precedes Delayed Graft Function (DGF) (Abstract #277)
J. Lindeman, Surgery, Leiden University Medical Center, Leiden, Netherlands

3:18 PM Defatting Steatotic Rat Livers during Ex Situ Normothermic Perfusion Improves Lactate Clearance and Bile Quality (Abstract #279)
S. Raigani1, C. Carroll3, S. Cronin2, C. Pendexter2, I. Rosales4, M. Yarmush1, K. Uygun1, H. Yeh1, 1Transplant Surgery, Massachusetts General Hospital, Boston, MA, 2Center for Engineering in Medicine, Shriners Childrens Hospital, Boston, MA, 3Pathology, Massachusetts General Hospital, Boston, MA

Ischemia Reperfusion & Organ Rehabilitation II

Room: 313
Chairs: H. Rabb, Johns Hopkins Univ Sch Med, Baltimore, MD

2:30 PM CEACAM1 - p38 Signaling Axis Alleviates Peri-Transplant Liver Injury: From Mouse-to-Human (Abstract #274)
H. Hiraq1, K. Nakamura1, S. Kageyama1, T. Ito1, K. Kadono1, M. Kujawski2, K. J. Dery1, R. A. Sosa1, E. F. Reed1, F. M. Kaldas1, R. W. Busuttil1, J. W. Kupiec-Weglinski1, 1UCLA, Los Angeles, CA, 2City of Hope, Duarte, CA
3:30 PM Apoptosis during Cold Ischemia and Rewarming Involves a Caspase Independent Pathway (Abstract #280)
S. Jain¹, R. Plenter², T. Nydam², A. Jani¹, ¹Renal Division, University of Colorado, Aurora, CO, ²Transplant Microsurgery Program, University of Colorado, Aurora, CO

3:42 PM Recipient Antibiotics Pretreatment Protects Liver Transplants from Ischemia-Reperfusion Injury via Prostaglandin E2: From Bench-to Bedside (Abstract #278)

Quality Assurance Process Improvement & Regulatory Issues I
Room: 210
Chairs: J. Schold, Cleveland Clinic Foundation, Cleveland, OH and B. Kasiske, Hennepin County Medical Center, Minneapolis, MN

2:30 PM Is Kidney Transplantation Actually a Cost-Effective Alternative also for Older Patients? (Abstract #281)
K. Heldal¹, K. Lønning², V. Tsarpali¹, K. Midtvedt², ¹Clinic of Internal Medicine, Telemark Hospital Trust, Skien, Norway, ²Oslo University Hospital, Oslo, Norway

2:42 PM Diminishing Scientific Registry of Transplant Recipients Risk-Adjusted Mortality: Reaction to Flagging, Artifact of Modeling, or Both? (Abstract #282)
J. A. Gregg¹, K. L. Womer¹, A. Santos¹, S. J. Moore², K. A. Andreoni³, ¹Division of Nephrology, Hypertension, and Renal Transplantation, University of Florida, Gainesville, FL, ²Shands Transplant Center, University of Florida, UF Health Shands, Gainesville, FL, ³Department of Surgery, University of Florida, Gainesville, FL

2:54 PM The Collaborative Improvement and Innovation Network (COIN): Impact on Deceased Donor Transplant Rates and Offer Acceptance Practices (Abstract #283)
A. Wey¹, S. Gustafson¹, B. Carrico³, J. Foutz², K. Sisaithong³, M. McBride³, D. Klassen³, D. Klassen³, N. Salkowski¹, B. Kasiske¹, A. Israni¹, J. Snyder¹, ¹SRTR, Minneapolis, MN, ²OPTN, Richmond, VA, ³OPTN, Minneapolis, MN

3:06 PM OPO Aggressiveness Index: A Novel OPO Performance Metric That Incentivizes Pursuit of Marginal Deceased Donor Candidates (Abstract #284)
L. Liyanage, Y. Yu, K. Jackson, Laronzik-Wang, D. Segev, A. Massie, Johns Hopkins, Baltimore, MD

3:18 PM Association of Pretransplant and Posttransplant 5-Tier Ratings with Candidate Mortality after Listing (Abstract #285)
A. Wey, S. Gustafson, N. Salkowski, B. Kasiske, M. Skeans, C. Schaffhausen, A. Israni, J. Snyder, SRTR, Minneapolis, MN

3:30 PM Increased Access to Transplantation for Medicaid Patients Following Medicaid Expansion (Abstract #286)
A. Massie, M. Henderson, T. Hwee, D. Segev, Johns Hopkins, Baltimore, MD

3:42 PM Simulated Tier Variability (Abstract #287)
N. Salkowski, A. Wey, J. Snyder, SRTR, Minneapolis, MN
Surgical Issues: All Organs

Room: 208
Chairs: S. Alexopoulos, Surgery, Vanderbilt University Medical Center, Nashville, TN and P. Kim, Baylor University Medical Center, Vancouver, BC, Canada

2:30 PM External Validation of the DCD-N Score and a Linear Prediction Model to Identify Potential Candidates for Donation after Circulatory Death: A Nation-Wide Cohort Study (Abstract #288)
M. F. Nijhoff1, R. A. Pol1, M. Volbeda1, A. M. Kotsopoulos2, J. P. Sonneveld3, J. van Dongen4, W. F. Abdo5, V. Silderhuis6, C. Moers1, 1Surgery – Organ Donation and Transplantation, University Medical Center Groningen, Groningen, Netherlands, 2Department of Intensive Care Unit (ICU), Elisabeth Twee Steden Hospital, Tilburg, Netherlands, 3Department of ICU, Isala, Zwolle, Netherlands, 4Department of ICU, Catharina hospital, Eindhoven, Netherlands, 5Department of ICU, Radboud University Medical Center, Nijmegen, Netherlands, 6Department of ICU, Medisch Spectrum Twente, Enschede, Netherlands

2:42 PM Comparison of Minimal Incision Kidney Transplantation with Conventional Incision Kidney Transplantation: Interim Report of a Randomized Controlled Trial (Abstract #289)
T. Lin, T. Song, Y. Jiang, Y. Fan, X. Wang, Z. Huang, J. Liu, Z. Wang, Organ Transplantation Center, Urology Department, Urology Research Institute, WestChina Hospital, Sichuan University, Chengdu, China

2:54 PM Surgeon Readiness For Entry Into Practice: A Survey Of Abdominal Transplant Surgeons In The United States (Abstract #290)
M. Abouljoud1, R. Hirose2, S. Nagai3, C. Gordon4, D. Farmer5, 1Henry Ford Transplant Institute, Detroit, MI, 2Transplant Surgery, University of California San Francisco, San Francisco, CA, 3American Society of Transplant Surgeons, Arlington, VA, 4Transplant Surgery, UCLA David Geffen School of Medicine, Los Angeles, CA

3:06 PM National Trends in Bariatric Surgical Practice for Patients with End-Stage Renal Disease (Abstract #291)
K. H. Sheetz1, K. J. Woodside1, V. B. Shahinian2, J. B. Dimick1, S. A. Waits1, 1Department of Surgery, University of Michigan Hospitals and Health System, Ann Arbor, MI, 2Department of Internal Medicine, University of Michigan Hospitals and Health System, Ann Arbor, MI

3:18 PM TDCA/Valine Reverse Obesity and Ameliorate Alloimmune Responses through a Decreased Hypothalamic Expression of MCH (Abstract #292)
A. ElKhal1, M. Markus Quante1, T. Heinbokel1, Y. Nian1, K. Minami1, R. Maenosono1, J. Iske1, B. Desai2, A. Elkhali1, S. G. Tullius1, 1Brigham and Women’s Hospital, Boston, AL, 2Beth Israel Deaconess Medical Center, Boston, AL

3:30 PM Post-operative Opioid Requirements In Living Kidney And Liver Donors (Abstract #293)
3:42 PM Effectiveness Of Percutaneous Embolization As Treatment Compared To Nephrectomy For Renal Graft Intolerance Syndrome In Late Graft Failure Patients (Abstract #294)
S. Kwon, J. Go, S. Park, S. Yoon, J. Kim, I. Moon, Department of Vascular and Transplant Surgery, The Catholic University of Korea, Seoul St. Mary’s Hospital, Seoul, Korea, Republic of

2:30 PM A Comprehensive and Updated Analysis of Combined Heart-Kidney Transplants Utilizing the United Network for Organ Sharing Database (Abstract #295)

2:42 PM What Are You Smoking? The Impact of Donor Drug Use on Long Term Survival Post-Transplant (Abstract #296)
D. A. Baran, A. Long, J. T. Lansinger, H. Copeland, J. M. Herre, W. Old, G. Zeevi, C. Barreiro, C. Kemp, B. H. Smith, K. Stelling, A. Ingemi, P. Bourassa, J. T. Lansinger, 1Sentara Heart Hospital, Virginia Beach, VA, 2Eastern Virginia Medical School, Norfolk, VA, 3Sentara Heart Hospital, Norfolk, VA, 4Division of Cardiothoracic Surgery, University of Mississippi Medical Center, Jackson, MS

2:54 PM Donors and Drugs: How Often Do They Mix? Utilization of Donors Based on Toxicology Findings (Abstract #297)
J. T. Lansinger, A. Long, C. Barreiro, J. M. Herre, H. Copeland, W. Old, G. Zeevi, C. D. Kemp, J. M. Philpott, K. Stelling, A. Ingemi, B. H. Smith, P. Bourassa, D. A. Baran, 1Eastern Virginia Medical School, Norfolk, VA, 2Sentara Heart Hospital, Norfolk, VA, 3Division of Cardiothoracic Surgery, University of Mississippi Medical Center, Jackson, MS

3:06 PM Preliminary Results from a Multicenter National Trial of Antiviral-Facilitated Transplantation of Hepatitis C Hearts to Expand the Donor Pool (Abstract #298)
K. Martits-Chalangari, A. K. Doss, M. Clark, J. Felius, S. A. Hall, R. L. Gottlieb, Baylor University Medical Center, Dallas, TX

3:18 PM How Do We Choose? Predicting Utilization Of Cardiac Donors And The Effect Of Era (Abstract #299)
D. A. Baran, J. T. Lansinger, A. Long, J. Philpott, H. Copeland, W. Old, G. Zeevi, C. Barreiro, C. Kemp, B. H. Smith, K. Stelling, A. Ingemi, P. Bourassa, J. M. Herre, 1Sentara Heart Hospital, Virginia Beach, VA, 2Eastern Virginia Medical School, Norfolk, VA, 3Sentara Heart Hospital, Norfolk, VA, 4University of Mississippi Medical Center, Jackson, MS

3:30 PM Geographic Disparities in Heart Transplant Rates (Abstract #300)
M. Kosztowski, S. Yu, A. Kiliç, A. Massie, S. Zhou, D. Segev, S. Gentry, JHU, Baltimore, MD

3:42 PM The National Landscape of Heart Transplant Candidates with HIV (Abstract #301)
A. A. Shaffer, A. G. Thomas, D. L. Segev, 1Surgery & Epidemiology, Johns Hopkins University, Baltimore, MD, 2Epidemiology, University of North Carolina, Chapel Hill, NC
Basic & Clinical Science - VCA

3:06 PM Expansion of Regulatory T and B Cells in Swine Rendered Tolerant of Allogeneic Vascularized Composite Allografts via Mixed Chimerism (Abstract #305)
G. Saviane1, A. Lellouch1, A. Andrews1, L. Lantieri2, M. Randolph1, G. Benichou1, C. Cetrulo Jr1, 1Center for Transplantation Sciences, Division of Plastic Surgery, Boston, MA, USA, Department of Surgery, Massachusetts General Hospital and Harvard Medical School, Boston, MA, USA, Boston, MA, 2European Georges Pompidou Hospital, University of Paris, Department of Plastic Surgery, Paris, France

3:18 PM Uterus Transplantation: A Single Center’s Experience of Peri and Postoperative Complications (Abstract #306)
L. Johannesson, G. Testa, Simmons Transplant Institute, Baylor University Medical Center, Dallas, TX

3:30 PM Patterns of Rejection in Murine, Porcine, and Human Vascularized Composite Allografts Based on Clinical, Histologic, and Immunohistochemical Analysis (Abstract #307)

3:42 PM The Evolving Clinical Presentation of Acute Rejection in Face Transplantation (Abstract #308)
V. Haug, B. Kollar, D. Obed, H. Kiwanuka, M. Turk, L. Wo, S. Tasigiorgos, M. Kueckelhaus, L. Riella, B. Pomahac, Plastic and Reconstructive Surgery, Brigham and Women’s Hospital, Boston, MA
Featured Multidisciplinary Transplant Professionals Symposium
2:30 pm – 5:45 pm

Expansion of the Multidisciplinary Team: From Waitlist to Transplant

Room 312
Moderators: Nicole McCormick, DNP, MBA, University of Colorado, Denver, CO, USA. Jim Thielke, PharmD, HHIO, Chicago, IL, USA.

2:30 pm Optimizing Vaccinations Pre-Transplant
Kristine Schonder, PharmD, University of Pittsburgh, Pittsburgh, PA, USA.

2:50 pm Audience Discussion

2:55 pm Waitlist Management: The Role of the Advanced Practice Provider
Kimberly L. Hoffman, DNP, ACNP-BC, University of Cincinnati, Cincinnati, OH, USA.

3:15 pm Audience Discussion

3:20 pm Beyond the Basics: Expanding the APP Role on Inpatient Services
Katherine Klingenberg, PA-C, University of Colorado School of Medicine, Aurora, CO, USA.

3:40 pm Audience Discussion

3:45 pm The Evolution of the APP in Transplant
Ashley Seawright, D.N.P., The University of Mississippi Medical Center, Jackson, MS, USA.

4:05 pm Audience Discussion

4:10 pm Coffee Break

4:30 pm 7 on, 7 off: Creative Transplant Pharmacist Coverage Solutions
Timothy Horwedel, PharmD, BCPS, Barnes-Jewish Hospital, St. Louis, MO, USA.

5:15 pm Audience Discussion

5:20 pm It Takes a Village: Multidisciplinary Transitions of Care Strategies
Nicole Alvey, PharmD, Rush University Medical Center, Chicago, IL, USA.

5:40 pm Audience Discussion

Coffee Break in Exhibit Hall

4:00 pm – 4:30 pm
Hall C/D

Concurrent Oral Abstract Sessions
4:30 pm – 6:00 pm

Veterans Auditorium

4:30 PM A Prospective Randomized Multicenter Trial (B E S T Trial) of Belatacept-Based CNI- and Corticosteroid-Free Immunosuppression: Final Two Year Results (Abstract #309)
D. B. Kaufman¹, A. R. Shields², J. P. Leone³, A. Wiseman³, A. J. Matas³, P. West-Thielke⁶, J. Lipscomb⁷, E. King², R. R. Alloway⁷, E. S. Woodle for the BEST Study Group⁷, ¹University of Wisconsin, Madison, WI, ²University of Cincinnati, Cincinnati, OH, ³Tampa General, Tampa, FL, ⁴University of Colorado School of Medicine, Denver, CO, ⁵University of Minnesota, Minneapolis, MN, ⁶University of Illinois, Chicago, Chicago, IL, ⁷University of Cincinnati, Cincinnati, WI
Conversion from Calcineurin Inhibitors to Belatacept in Kidney Recipients with Donor-Specific Anti-HLA Antibodies and Calcineurin Inhibitor Nephrotoxicity Decreases the Pathogenicity of Donor-Specific Anti-HLA Antibodies (Abstract #310)


Abstract Presenter Unable to Attend – Predictors of Graft Function Improvement after Conversion from Calcineurin Inhibitors to Belatacept in Kidney Recipients with Calcineurin Inhibitor Nephrotoxicity (Abstract #311)


Belatacept Monotherapy in Kidney Transplant Recipients with Failed Allografts Reduces Humoral Sensitization in a Single Center Randomized Controlled Trial (Abstract #312)

I. R. Badell, R. Elbein, R. A. Bray, H. M. Gebel, A. B. Adams, C. P. Larsen, Emory University School of Medicine, Atlanta, GA

Four-Year Follow Up of Kidney Transplantation Using Alemtuzumab Induction and Belatacept/SirolimusMaintenance Therapy (Abstract #313)

A. Kirk, H. Xu, A. Ghali, A. Mehta, A. Guasch, 1Surgery, Duke University, Durham, NC, 2Transplant Center, Emory University, Atlanta, GA

Comparative Analysis of Belatacept and Mycophenolate Monotherapy-Based Regimens for HLA Identical Living Donor Kidney Transplantation (Abstract #314)


Impact of Belatacept Conversion on Renal Function, Histology and Gene Expression in Kidney Transplant Patients with Interstitial Fibrosis and Tubular Atrophy (Abstract #315)


Kidney Chronic Antibody Mediated Rejection

Ballroom B
Chairs: C. Schinstock, Mayo Clinic, Rochester, MN and J. Locke, University of Alabama at Birmingham, Birmingham, AL

Clazakizumab as an Agent to Reduce Donor Specific HLA Antibodies and Improve Outcomes in Patients with Chronic & Active Antibody-Mediated Rejection Post-Kidney Transplantation (Abstract #316)

S. C. Jordan, N. Ammerman, M. Toyoda, E. Huang, C. C. Nast, A. Peng, S. Sethi, R. Nijjar, I. Kim, K. Lim, J. Choi, A. Vo, 1Comprehensive Transplant Center, Cedars-Sinai Medical Ctr, Los Angeles, CA, 2Transplant Immunology Lab, Cedars-Sinai Medical Ctr, Los Angeles, CA, 3Department of Pathology, Cedars-Sinai Medical Ctr, Los Angeles, CA
4:42 PM Clazakizumab (CLZ, Anti-IL-6 Antibody) and Tocilizumab (TCZ, Anti-IL-6 Receptor [r] Antibody) Treatments Differentially Affect IL-6/IL-6R Signaling by Modulating Soluble IL-6R (sIL-6R) and gp130 (sgp130) in Kidney Transplant Patients (KTx Pts) Treated for Chronic Antibody-Mediated Rejection (cABMR) (Abstract #317) B. Shin, S. Ge, A. Petrosyan, N. F. Ammerman, A. A. Vo, S. C. Jordan, M. Toyoda, Cedars-Sinai Medical Center, Los Angeles, CA

4:54 PM Using Ensembles of Machine Learning Classifiers to Maximize the Accuracy and Stability of Molecular Biopsy Interpretation (Abstract #318) J. Reeve¹, K. S. Madill-Thomsen², P. F. Halloran and the INTERCOMEX Study Group, ¹University of Alberta, Edmonton, AB, Canada, ²Alberta Transplant Applied Genomics Centre, University of Alberta, Edmonton AB, AB, Canada

5:06 PM Impact of Belatacept Conversion on Renal Function, Histology and Gene Expression in Kidney Transplant Patients with Chronic Active Antibody-Mediated Rejection (Abstract #320) D. Kumar¹, M. Raynaud², P. Halloran³, A. Loupy², J. Chang³, J. Reeve³, I. Yakubu¹, S. Bobba¹, L. Kamal¹, M. Levy¹, C. Bhati¹, P. Kimball¹, A. King¹, G. Gupta¹, ¹Virginia Commonwealth University, Richmond, VA, ²Paris Transplant Group, Paris, France, ³Alberta Transplant Genomics Applied Centre, Edmonton, AB, Canada

5:18 PM Comparing Antibody-Mediated Rejection with or without Detectable DSA: Similar Pathology and Similar Poor Prognosis (Abstract #321) G. Einecke¹, J. Reeve², P. F. Halloran³, ¹Dpt. of Nephrology, Hannover Medical School, Hannover, Germany, ²Dpt. of Laboratory Medicine and Pathology and Alberta Transplant Applied Genomics Centre, University of Alberta, Edmonton, AB, Canada, ³Dpt. of Nephrology and Alberta Transplant Applied Genomics Centre, University of Alberta, Edmonton, AB, Canada

5:30 PM Long Term Outcomes Using Tocilizumab For The Treatment Of Chronic Antibody Mediated Rejection (Abstract #322) J. Choi¹, E. Huang¹, O. Aubert², A. Vo¹, A. Peng¹, R. Najjar¹, S. Sethi¹, N. Ammerman¹, K. Lim¹, D. Puliyanda¹, A. Loupy², S. Jordan¹, ¹Comprehensive Transplant Center, Cedars-Sinai Medical Center, Los Angeles, CA, ²Paris Translational Center for Organ Transplantation, Paris, France

Abstract Presenter Unable to Attend – Allograft Gene Expression Assessment Predicts Graft Loss in Kidney Recipients with Chronic Antibody-Mediated Rejection (Abstract #319) D. Viglietti¹, B. Adam², Z. Kikic³, D. Cejka³, D. Peviani³, O. Aubert¹, D. Glotz¹, C. Legendre¹, A. Loupy¹, C. Lefaucheur¹, M. Mengel³, ¹Paris Translational Research Center for Organ Transplantation, Paris, France, ²University of Alberta, Edmonton, AB, Canada, ³Universitätshklinik für Innere Medizin III, Vienna, Austria, ¹Hospital Elisabethinen, Linz, Austria
Kidney: Cardiovascular and Metabolic II

Ballroom C
Chairs: S. M. Riad, University of Minnesota, Eden Prairie, MN and D. Keys, Roseville, MN

4:30 PM 6-Minute Walk Testing in Patients on the Kidney Transplant Waitlist (Abstract #323)
X. S. Cheng¹, J. Lee², K. V. Discipulo¹, J. Myers³, J. C. Tan¹, ¹Nephrology, Stanford University, Palo Alto, CA, ²Kidney Transplant, Stanford Hospital, Palo Alto, CA, ³Cardiology, Veterans Affairs Palo Alto Health Care System, Palo Alto, CA

4:42 PM The More You Wait, the More You Lose: Prostatectomy and Kidney Transplant Waiting Time in End Stage Renal Disease (Abstract #324)
N. Sarabu¹, N. Schiltz², K. D. Chavin¹, D. E. Hricik¹, ¹University Hospitals of Cleveland, Cleveland, OH, ²Case Western Reserve University, Cleveland, OH

4:54 PM Comparison of Pregnancy Outcomes by Conception Age in Female Kidney Transplant Recipients (Abstract #325)
S. Rao¹, L. A. Coscia², D. Kliniewski³, S. Constantinescu⁴, M. J. Moritz⁴, ¹Medicine, University of Virginia Health System, Charlottesville, VA, ²Gift of Life Institute, Transplant Pregnancy Registry International, Philadelphia, PA, ³Medicine, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, ⁴Surgery, Lehigh Valley Health Network, Allentown, PA

5:06 PM Cardiovascular Mortality in Transplant Patients: A Population-Based Cohort Study 1988-2013 in Australia and New Zealand (Abstract #326)
M. Wyld¹, N. De La Mata², P. Masson³, E. O’Lone³, A. Webster³, ¹Renal Department, Royal Prince Alfred Hospital, Camperdown, Australia, ²School of Public Health, University of Sydney, Sydney, Australia, ³Renal Department, Royal Free London NHS Foundation Trust, London, United Kingdom

5:18 PM Extremes of Body Mass Index is Associated with Inferior Renal Allograft Outcomes in Type 2 Diabetic Deceased Donor Renal Transplant Recipients (Abstract #327)
A. Brar, A. Gruessner, F. Tedla, R. Gruessner, J. Renz, N. Sumrani, D. John, M. O. Salifu, SUNY Downstate Medical Center, Brooklyn, NY

5:30 PM Lower Extremity Impairment and Frailty among Adults with Diabetes Awaiting Kidney Transplantation (Abstract #328)
E. Lorenz, A. Kukla, C. Kennedy, R. McCoy, L. Hickson, Mayo Clinic, Rochester, MN

5:42 PM AKI and Long-Term Risk for Cardiovascular Events in Patients after Kidney Transplantation (Abstract #329)
R. Rahamimov¹, M. Molcho², I. Vahav², E. Mor³, T. Y. van Dijk⁴, B. Rozen-Zvi¹, ¹Department of Nephrology, Rabin Medical Center, Petach Tikva, Israel, ²Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel, ³Department of Transplantation, Rabin Medical Center, Petach Tikva, Israel, ⁴Department of Emergency Medicine, Rabin Medical Center, Petach Tikva, Israel
Breakthroughs in Cytomegalovirus

Ballroom A

Chairs: A. Humar, Toronto General Hospital, Toronto, ON, Canada and M. Morris, Miami Beach, FL

4:30 PM  A CMV Vaccine Based on Non-Replicating Lymphocytic Choriomeningitis Virus Vectors Expressing gB and pp65 is Safe and Immunogenic in Healthy Volunteers and Entering a Phase 2 Trial in Kidney Transplant Recipients (Abstract #330)

C. N. Kotton\textsuperscript{1}, M. Schwendinger\textsuperscript{2}, G. Thiry\textsuperscript{a}, B. De Vos\textsuperscript{4}, F. De Boever\textsuperscript{6}, G. Leroux-Roels\textsuperscript{6}, A. Lilja\textsuperscript{7}, 1Infectious Diseases Division, Boston, MA, 2Hookipa Biotech AG, Vienna, Austria, aHookipa Biotech GmbH, Vienna, Austria, 4Bejamad sprl/bvba, Beersel, Belgium, 5Centrum voor vaccinologie (CEVAC), Gent, Belgium, 6Centrum voor vaccinologie (CEVAC), Gent, Belgium, 7Hookipa Biotech GmbH, Vienna, Austria

4:42 PM  Donor Graft CMV Serostatus Influences the Development of Arterial and Venous Vascular Events in Seronegative Recipients after Organ Transplantation (Abstract #331)

S. Belga, C. MacDonald, D. Chiang, D. Kabbani, S. Shojai, J. G. Abraides, C. Cervera, University of Alberta, Edmonton, AB, Canada

4:54 PM  More Advanced Heart Failure Prior To Transplant May Influence The Cytomegalovirus Specific T Cell Response In Cytomegalovirus Positive Recipients. (Abstract #332)

U. López Cardoza, E. García, C. Díez, J. Roca, N. Sabé, N. Manito, I. Tatjer, A. Cequier, O. Bestard, J. González, Bellvitge University Hospital, L’Hospitalet de Llobregat, Spain

5:06 PM  Letermovir For The Treatment And Secondary Prophylaxis Of Drug Resistant CMV In Solid Organ Transplant Recipients (Abstract #333)

M. R. Pereira\textsuperscript{1}, J. G. Aaron\textsuperscript{1}, C. J. Kubin\textsuperscript{2}, 1Medicine - Infectious Diseases, Columbia University Medical Center, New York, NY, 2Medicine - Infectious Diseases, NewYork Presbyterian Hospital, New York, NY

5:18 PM  Risk Stratification of Cytomegalovirus Seropositive Kidney Transplant Recipients for CMV Infection (Abstract #334)

M. M. Azar\textsuperscript{1}, A. Baghban\textsuperscript{1}, K. Belfield\textsuperscript{1}, R. Assi\textsuperscript{2}, M. Malinis\textsuperscript{1}, 1Yale University, New Haven, CT, 2University of Pennsylvania, Philadelphia, PA

5:30 PM  Using a Commercially Available Assay That Measures Cytomegalovirus-Specific CD4+ and CD8+ T-cell Immunity to Predict Clinically Significant Cytomegalovirus Events in Solid Organ Transplant Recipients (Abstract #335)

R. Rogers\textsuperscript{1}, K. Saharia\textsuperscript{2}, A. Chandorkar\textsuperscript{2}, Z. Weiss\textsuperscript{3}, D. Farmakiotis\textsuperscript{1}, 1Infectious Diseases, Brown University, Providence, RI, 2Infectious Diseases, University of Maryland, Baltimore, MD, 3Internal Medicine, Brown University, Providence, RI

5:42 PM  Preemptive Therapy is Cost Effective When Compared to Prophylaxis in Cytomegalovirus Donor Positive - Recipient Negative Liver Transplant Recipients (Abstract #336)

M. M. Wagener\textsuperscript{1}, D. J. Winston\textsuperscript{2}, R. R. Razonable\textsuperscript{6}, G. M. Lyon III\textsuperscript{4}, F. P. Silveira\textsuperscript{6}, A. P. Limaye\textsuperscript{6}, N. Singh\textsuperscript{1}, 1ID, U Pittsburgh and VAPHS, Pittsburgh, PA, 2ID, UCLA, Los Angeles, CA, 3ID, Mayo Clinic, Rochester, MN, 4ID, Emory, Atlanta, GA, 5ID, U Pittsburgh, Pittsburgh, PA, 6ID, U Washington, Seattle, WA
Liver: MELD, Allocation and Donor Issues (DCD/ECD) II

Room: 302
Chairs: C. Quintini, Cleveland Clinic, Cleveland, OH and J. Magliocca, Emory University, Atlanta, GA

4:30 PM Not for the Faint of Heart: The Impact of Post-Reperfusion Syndrome during Liver Transplantation Using Livers with Significant Macrosteatosis (Abstract #337)
K. P. Croome, D. Lee, S. Croome, R. Chadha, D. Livingston, P. Abader, A. P. Keaveny, C. Taner, Mayo Clinic, Jacksonville, FL

4:42 PM Reduction in Waitlist Time Using HCV Positive Liver Grafts in HCV Negative Recipients (Abstract #338)

4:54 PM Digital Imaging Software vs. the “Eyeball” Method in Quantifying Steatosis in a Liver Biopsy (Abstract #339)

5:06 PM A Comparison of the BAR, DRM, DRI, sRRI, ET-DRI, D-MELD and SOFT Score to Predict Outcome after Liver Transplantation in the SRTR Database (Abstract #340)
J. D. de Boer, H. Putter, J. J. Blok, I. P. Alwayn, B. Van Hoek, A. E. Braat, Transplant Center, Leiden University Medical Center, Leiden, Netherlands, Department of Biomedical Data Sciences, Leiden University Medical Center, Leiden, Netherlands, Gastroenterology and Hepatology, Leiden University Medical Center, Leiden, Netherlands

5:18 PM Nothing Lasts Forever, So Of The Donor Risk Index For Liver Transplant (Abstract #341)
K. Okubo, K. Sasaki, A. Moro, J. McBey, M. Fujiki, T. Diago Uso, B. Eghtesad, D. Kwon, C. Miller, C. Quintini, K. Hashimoto, F. Aucejo, Cleveland Clinic, Cleveland, OH

5:30 PM Expanding the Donor Pool with Extended Criteria DCD Livers (Abstract #342)
P. Mihaylov, B. Ekser, R. Mangus, J. Fridell, D. Soma, C. Kubal, Indiana Univ School of Medicine, Pavia Univ School of Medicine, Indianapolis, IN, Indiana Univ School of Medicine, Indianapolis, IN
5:42 PM  HOPE in Action: A Multicenter Prospective Study of HIV to HIV Liver Transplantation (Abstract #343)
C. Durand1, S. Florman2, M. Bowring3, D. Brown1, B. Haydel6, J. Hamilton3, P. Stock4, J. Price5, T. Pruett6, V. Kirchner7, D. Wojciechowski8, N. Turgeon9, C. Wolfe10, V. Stosor11, J. Charette11, A. Cameron11, S. Ottmann3, S. Huprikar12, D. Segev3, 1Medicine, Johns Hopkins University, Baltimore, MD, 2Surgery, Mount Sinai, New York, NY, 3Surgery, Johns Hopkins University, Baltimore, MD, 4Surgery, University of California San Francisco, San Francisco, CA, 5Medicine, University of California San Francisco, San Francisco, CA, 6Surgery, University of Minnesota, Minneapolis, MN, 7Medicine, University of Minnesota, Minneapolis, MN, 8Medicine, Mass General Hospital, Boston, MA, 9Surgery, Emory University, Atlanta, GA, 10Medicine, Duke University, Durham, NC, 11Medicine, Northwestern University, Chicago, IL, 12Medicine, Mount Sinai, New York, NY

5:42 PM  Epstein Barr Virus (EBV)-Specific T Cells as a Diagnostic Marker for the Individual EBV-Specific Immune Response after Pediatric Kidney Transplantation (Abstract #345)
T. Ahlenstielsing-Grunow, L. Pape, Pediatric Nephrology, Hannover Medical School, Hannover, Germany

4:42 PM  Standardizing Blood Pressure Measurement across 17 Pediatric Transplant Centers: The Improving Renal Outcomes Collaborative (Abstract #346)
M. E. Seifert1, R. Garro2, R. P. George4, G. Barletta5, C. W. Belsha6, A. Chaudhuri7, J. W. Goebel8, L. Wickman7, D. Matossian6, J. Misurac6, C. Nailescu10, C. R. Nguyen11, M. Pearl12, A. Pollack13, C. S. Pruette14, P. Singer15, P. S. Verghese16, B. A. Warady17, D. S. Dahale18, D. K. Hooper18, 1University of Alabama, Birmingham, AL, 2Emory University, Atlanta, GA, 3Phoenix Children's Hospital, Phoenix, AZ, 4Saint Louis University, St. Louis, MO, 5Stanford University, Stanford, CA, 6Children's Hospital Colorado, Aurora, CO, 7Michigan Medicine, Ann Arbor, MI, 8Lurie Children's Hospital, Chicago, IL, 9University of Iowa, Iowa City, IA, 10Riley Hospital For Children, Indianapolis, IN, 11Children's Hospital of Pittsburgh of UPMC, Pittsburgh, PA, 12UCLA Mattel Children's Hospital, Los Angeles, CA, 13Seattle Children's Hospital, Seattle, WA, 14Johns Hopkins University, Baltimore, MD, 15Cohen Children's Medical Center, New Hyde Park, NY, 16University of Minnesota, Minneapolis, MN, 17Children's Mercy Kansas City, Kansas City, MO, 18Cincinnati Children's Hospital Medical Center, Cincinnati, OH

Kidney: Pediatrics II

Room: 304
Chairs: A. Moudgil, Children's National Med. Ctr., Washington, DC and B. Chavers, Division of Nephrology, Minneapolis, MN

4:30 PM  Increase in 48 Month Cumulative Acute Rejection Rates in the Most Recent Cohort: The 2018 Transplant Report of the North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS) (Abstract #344)
V. Dharmidharka1, C. Cramer2, A. Chua3, A. Moudgil4, K. Martz2, T. Blydt-Hansen6, J. Smith7, A. Neu, on Behalf of The NAPRTCS Investigators, 1Washington University in St. Louis, Saint Louis, MO, 2Mayo Clinic, Rochester, MN, 3Duke University, Durham, NC, 4Children's National Medical Center, Washington, DC, 5Emmes Corporation, Rockville, MD, 6BC Children's Hospital, Vancouver, BC, 7Seattle Children's Hospital, Seattle, WA, 8Johns Hopkins University, Baltimore, MD
5:06 PM Elevated Donor Derived Cell Free DNA (dd-cfDNA) Levels in the Presence of Donor Specific Antibodies (DSA) Are a Strong Predictor of Antibody Mediated Rejection (ABMR) in Pediatric Renal Transplant Recipients (Abstract #347)
D. Puliyanda1, R. D. Swinford2, H. Pizzo1, J. Garrison1, I. Kim1, A. M. De Golovine2, S. Jordan1, 1Pediatric Nephrology, Cedars-Sinai Med Ctr, Los Angeles, CA, 2Pediatric Nephrology, UTHealth, Houston, TX

5:18 PM Tocilizumab for Refractory Antibody-Mediated Rejection in Pediatric Kidney Transplantation (Abstract #348)
A. Dokras, C. Butler, Q. Zhang, E. Reed, R. Ettenger, P. Weng, M. Pearl, University of California, Los Angeles, Los Angeles, CA

5:30 PM Antithymocyte Globulin is Associated with Mature T Cell Phenotypes and Decreased Risk of Non-EBV Infections in Transplanted Children (Abstract #349)
B. I. Shaw1, L. Stempora1, C. Chan1, R. B. Ettenger2, P. C. Grimm3, H. Lee1, E. F. Reed2, M. M. Sarwal4, B. L. Warshaw4, C. Zhao4, O. M. Martinez5, A. D. Kirk6, E. T. Chambers1, 1Pediatrics/Surgery, Duke University, Durham, NC, 2Pediatrics, University of California, Los Angeles, Los Angeles, CA, 3Pediatrics/Surgery, Stanford University, Palo Alto, CA, 4Pediatrics/Surgery, University of California, San Francisco, San Francisco, CA, 5Pediatrics, Emory University, Atlanta, GA

5:42 PM Successful Use of Hizentra to Address BK Viremia in Pediatric Transplant Population (Abstract #350)
K. Gruenkemeyer, E. Wood, A. Beck, C. Belsha, Pediatric Nephrology, Saint Louis University, Saint Louis, MO

5:06 PM Changes in the Fate of KDPI < 35% Kidneys before and after Implementation of the New Kidney Allocation System (Abstract #354)
K. Eng, E. Grodstein, L. Castellanos Reyes, L. Teperman, C. Sethna, P. Singer, Northwell Health, Manhasset, NY

Non-Organ Specific: Public Policy & Allocation

Room: 311
Chairs: R. Lynch, Decatur, GA and K. Andreoni; University of Florida, Gainesville, FL

4:30 PM Capitalizing On Donor Density To Increase Organ Pool - An Analysis Of Urban And Rural Organ Donors (Abstract #351)
S. Bakhtiyar, S. Ahmed, J. A. Goss, A. Rana, Baylor College of Medicine, Houston, TX

4:42 PM Association between Medicaid Expansion under the Affordable Care Act and Preemptive Kidney Transplantation of Low-Income Medicaid Beneficiaries (Abstract #352)
M. N. Harhay1, R. McKenna2, 1Medicine, Drexel University College of Medicine, Philadelphia, PA, 2Health Management and Policy, Drexel University Dornsife School of Public Health, Philadelphia, PA

4:54 PM Creating Geographic Catchment Areas for Solid Organ Transplant Centers (Abstract #353)
K. Ross1, R. Patzer2, D. Axelrod3, 1Emory University, Emory Transplant Center, Georgetown, TX, 2Emory University, Emory Transplant Center, Georgetown, GA, 3Dept of Surgery, University of Iowa, Iowa City, IA

5:06 PM Changes in the Fate of KDPI < 35% Kidneys before and after Implementation of the New Kidney Allocation System (Abstract #354)
K. Eng, E. Grodstein, L. Castellanos Reyes, L. Teperman, C. Sethna, P. Singer, Northwell Health, Manhasset, NY
5:18 PM  Wide Geographic Variability in the Proportion of Donors with Cardiac Death - Lost Opportunities for Organ Donation? (Abstract #356)
E. M. Sonnenberg¹, D. S. Goldberg², J. Y. Hsu³, P. P. Reese², P. L. Abt¹, ¹Department of Surgery, University of Pennsylvania, Philadelphia, PA, ²Department of Medicine, University of Pennsylvania, Philadelphia, PA, ³Biostatistics and Epidemiology, University of Pennsylvania, Philadelphia, PA

5:30 PM  A 15-year Experience With Kidney Transplant In Undocumented Immigrants: Outcomes And An Argument For Transplantation (Abstract #357)
M. G. Janeway¹, A. Foster², S. De Geus¹, K. Curreri¹, T. Dechert¹, M. Nuhn¹, M. Nuhn¹, ¹Surgery, Boston Medical Center, Boston, MA, ²Boston University School of Medicine, Boston, MA

5:42 PM  Geographic Trends in Drug Intoxicated Deceased Donor Recovery and Utilization (Abstract #355)
R. Urban, D. Klassen, J. Rosendale, United Network for Organ Sharing, Richmond, VA

4:30 PM  High Numbers of Differentiated CD8+CD28- T Cells Are Associated with a Substantially Lowered Risk for Late Rejection and Graft Loss after Kidney Transplantation (Abstract #358)
M. G. Betjes, A. Langerak, M. Klepper, N. Litjens, Nephrology & Transplantation, Erasmus MC, Rotterdam, Netherlands

4:42 PM  Biomarker Candidate Discovery for Kidney Allograft Monitoring via Urinary Exosome Proteome Analysis (Abstract #359)
J. Kim¹, Y. Wee¹, M. Choi¹, H. Jung¹, J. Choi¹, H. Kwon¹, J. Jung¹, Y. Ko¹, D. Kim¹, K. Kim², Y. Cho³, H. Go³, Y. Kim¹, D. Han¹, S. Shin¹, ¹Department of Surgery, Asan Medical Center, Seoul, Korea, Republic of, ²Department of Convergence Medicine, Asan Institute for Life Sciences, Asan Medical Center, Seoul, Korea, Republic of, ³Department of Pathology, Asan Medical Center, Seoul, Korea, Republic of

4:54 PM  microRNA-375 Provides an Objective Measure of Pancreas Quality in Organ Donors (Abstract #360)
I. Shapey¹, A. Summers¹, J. O’Sullivan¹, P. Yiannoullou¹, J. Casey², S. Forbes³, M. Rosenthal³, P. Johnson³, P. Choudhary¹, J. Bushnell², J. Shaw³, N. Hanley¹, T. Augustine¹, M. Rutter¹, D. van Dellen¹, ¹University of Manchester, Manchester, United Kingdom, ²University of Edinburgh, Edinburgh, United Kingdom, ³Royal Free Hospital, London, United Kingdom, ⁴University of Oxford, Oxford, United Kingdom, ⁵Southmead Hospital, Bristol, United Kingdom, ⁶University of Newcastle, Newcastle, United Kingdom

5:06 PM  A Metagene Signature of Lymphocytic Bronchitis Following Lung Transplantation (Abstract #361)
J. R. Greenland¹, P. Wang², J. J. Brotman³, R. Ahuja¹, T. A. Chong³, M. Kleinhenz³, L. E. Leard³, J. A. Golden³, S. R. Hays⁴, J. P. Singer⁵, J. Kukreja³, N. Y. Greenland⁴, Z. Lasik⁴, P. Blanc¹, ¹Medicine, VA Health Care System, San Francisco, CA, ²Medicine, University of California, San Francisco, CA, ³Surgery, University of California, San Francisco, CA, ⁴Pathology, University of California, San Francisco, CA
5:18 PM  Advanced Immunological T-cell Ageing Defined by a Very Low Thymic Function Identifies Patients with a Substantial Increased Risk for Long-Term Mortality after Kidney Transplantation (Abstract #362)
M. G. Betjes, A. Langerak, M. Klepper, N. Litjens, Nephrology & Transplantation, Erasmus MC, Rotterdam, Netherlands

5:30 PM  Characterizing the Dominant Phenotype in Kidney Transplant Biopsies: Improving the Prediction of Risk by a Global View of Rejection, Injury, and Atrophy-Fibrosis (Abstract #363)
P. F. Halloran and The INTERCOMEX Investigators, 1University of Alberta, Edmonton, AB, Canada, 2Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada

5:42 PM  Gut Dysbiosis Predominates Post-Transplant Diarrhea in Kidney Transplant Recipients: A Validation Study (Abstract #364)

4:42 PM  Islet Xenotransplantation: A Quest for Clinically Available Immunosuppression Regimens (Abstract #366)
Z. W. Fitch1, Q. Gao1, R. P. Davis1, M. S. Mulvihill1, M. Song1, F. Leopardi1, M. Ribeiro1, T. How1, K. Reimann2, G. R. Devi1, B. H. Collins1, A. D. Kirk1, 1Surgery, Duke University, Durham, NC, 2University of Massachusetts, Worcester, MA

4:54 PM  Preservation of Pancreatic Islets with Stem Cell Derived CD34+ Vascular Endothelial Progenitor Cells (Abstract #367)
C. Ward1, L. Vo2, E. De Klerk2, G. Faleo2, Y. Kelly1, J. Bluestone2, M. Hebrok2, P. Stock1, Q. Tang1, 1Surgery, UCSF, San Francisco, CA, 2Diabetes Center, UCSF, San Francisco, CA

5:06 PM  Resolution of Hyperglycemia Following Islet Allograft Transplantation in Non-Immunosuppressed Mice (Abstract #368)
J. Ge1, K. Lee1, C. Yang1, R. White2, I. Rosales3, P. Russell1, C. Rickert1, J. Markmann1, J. Madsen1, R. Colvin2, A. Alessandrini1, 1Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, 2Pathology, Massachusetts General Hospital, Boston, MA

5:18 PM  Toll Like Receptor 2 Mobilizes Regulatory T Cell Lymphatic Migration by Stimulating Lymphotxin Expression (Abstract #369)
W. Piao1, Y. Xiong2, L. Li3, V. Saxena3, C. Paluskievicz4, J. Bromberg4, 1Microbiology and Immunology, U. Maryland, Baltimore, Baltimore, MD, 2Surgery, U. Maryland, Baltimore, Baltimore, MD, 3Surgery, U. Maryland, Baltimore, Baltimore, MD, 2Surgery and Microbiology and Immunology, U. Maryland, Baltimore, Baltimore, MD
5:30 PM Allogenic Islets Cure Diabetes Following Transplantation in Omental Pouch in a Non-Human Primate Model (Abstract #370)
J. Lei¹, H. Deng¹, K. Lee¹, C. Peters¹, G. Rickert¹, R. Ivy¹, M. Coroneo², E. Yolcu³, H. Shirwan³, A. Garcia³, J. Markmann¹, ¹Surgery, Massachusetts General Hospital, Boston, MA, ²Surgery, Georgia Institute of Technology, Atlanta, GA, ³Institute for Cellular Therapeutics, University of Louisville School of Medicine, Louisville, KY

5:42 PM Role of NF-kB in Release of Isletokines via Exosomes in Response to Islet Stress (Abstract #371)
P. Saravanan¹, M. Kanak¹, J. Kalivarathan¹, M. Lawrence², M. Levy¹, B. Naziruddin³, ¹Department of Surgery, Virginia Commonwealth University, VCU Health, Richmond, VA, ²Islet Cell Lab, Baylor Scott and White Research Institute, Dallas, TX, ³Simmons Transplant Institute, Baylor Scott and White Medical Center, Dallas, TX

4:30 PM B Cell IL-4 Signaling Induces the IL-10 Secreting TIM-1+ Bregs and Suppresses T Cell Inflammatory Cytokines (Abstract #372)
Z. Song, K. Mohib, D. M. Rothstein, Surgery, Starzl Transplantation Institute, Pittsburgh, PA

4:42 PM High Fibre Diet Prevents Transplant-Associated Dysbiosis and Prevents Kidney Allograft Rejection (Abstract #373)
J. J. Singer¹, H. Wu¹, T. Kwan¹, Y. Loh¹, C. Wang¹, J. Tan², L. Macia³, S. Alexander³, S. Chadban¹, ¹Kidney Node Laboratory, Charles Perkins Centre, The University of Sydney, Sydney, Australia, ²Nutritional Immunometabolism Lab, Charles Perkins Centre, The University of Sydney, Sydney, Australia, ³The Children’s Hospital Westmead, Sydney, Australia

5:06 PM Murine Cmv Infection Impairs Transplantation Tolerance: A Critical Role Of Intragraft Anergic Cd4 T Cells (Abstract #375)
A. Dangi¹, E. B. Thorp², X. Luo¹, ¹Medicine, Duke University, Durham, NC, ²Pathology, Northwestern University, Chicago, IL

5:30 PM Implication of Melanocortin Receptors in Alloimmunity (Abstract #377)
M. Uehara, B. S. Al Dulaijan, J. Azzi, R. Abd, Transplantation Research Center, Renal, Brigham and Women’s Hospital, Boston, MA
5:42 PM  A Kidney Transplant Recipient with Severe Acute GvHD Promptly Rescued by Donor HLA-Targeted Serotherapy (Abstract #378)
J. Zuber¹, O. Boyer¹, B. Neven¹, R. Berthaud¹, M. Ould Rabah¹, I. Jollet⁴, V. Renac⁴, F. Piret⁴, S. Gross⁴, R. Djoudi⁴, P. Tiberghien⁴, J. Taupin¹, S. Blanche¹, R. Salomon¹, ¹Paris Descartes University, Paris, France, ²Etablissement Français du Sang, Paris, France, ³Department of Immunology and Histocompatibility, St Louis Hospital, Paris, France

5:06 PM  Discard Patterns in Donors with Non Alcoholic Fatty Liver Disease (Abstract #382)
M. MacConmara¹, A. Mufti², S. Hanish¹, P. Vageli¹, S. Tujias², C. Hwang¹, ¹Surgery (Division of Surgical Transplantation), UT Southwestern Medical Center, Dallas, TX, ²Medicine (Transplant Hepatology), UT Southwestern Medical Center, Dallas, TX

5:18 PM  Intra-abdominal Hypertension And Abdominal Compartment Syndrome: An Organ Procurement Organization’S Experience (Abstract #383)
J. Stefek¹, L. E. Markham¹, M. Ott¹, S. S. Johnson², J. C. Olson³, H. Sangha³, D. G. Vasquez³, S. P. Whitt³, H. E. Wilkins³, P. A. Webster³, M. Iliakova³, M. Moncure³, ¹Midwest Transplant Network, Westwood, KS, ²Via Christi St Francis, Wichita, KS, ³University of Kansas Medical Center, Kansas City, KS, ⁴Lake Regional Health System, Osage Beach, MO, ⁵Wesley Medical Center, Wichita, KS, ⁶University of Missouri Health Care, Columbia, MO, ⁷University of Missouri - Kansas City, Kansas City, MO

5:30 PM  Organ Donation is an Indication for Renal Replacement Therapy (RRT) (Abstract #384)
A. L. Friedman, E. Marquez, J. A. Lewis, LiveOnNY, New York, NY

5:42 PM  Risk Factors to Define an Extended Criteria Donor Heart Do Not Appear to Have Cumulative Adverse Effects after Heart Transplantation (Abstract #381)
M. Olymbios, S. Dimbil, R. J. Levine, F. Esmailian, J. Patel, J. A. Kobashigawa, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

5:42 PM  Organ Donation Survey among Health Care Professionals in Argentina (Abstract #385)
V. R. Ruiz¹, A. D. Midley¹, P. E. Rodriguez², S. Baux⁴, V. Morozovsky¹, A. G. Da lozzo³, ¹Respiratory Care, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina, ²Organ Procurement, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina, ³Lung Transplant Surgery, Hospital Italiano de Buenos Aires, Buenos Aires, Argentina
Infections, Antibodies and Biomarkers in Lung Transplantation

Room: 206
Chairs: M. Sala, Northwestern University, Chicago, IL and D. Dilling, Loyola University Medical Center, Maywood, IL

4:30 PM Transplanting Thoracic Organs From Hcv Donors To Uninfected Patients: Evaluation Of Lung Allografts (Abstract #386)
Y. Lo¹, R. F. Padera¹, H. R. Mallidi², H. J. Goldberg³, S. K. Singh, A. Coppolino, III⁴, L. R. Baden⁵, A. E. Woolley⁶, ¹Pathology, Brigham and Womens Hospital, Boston, MA, ²Cardiac and Thoracic Surgery, Brigham and Womens Hospital, Boston, MA, ³Pulmonary, Brigham and Women’s Hospital, Boston, MA, ⁴Thoracic Surgery, Brigham and Womens Hospital, Boston, MA, ⁵Infectious Diseases, Brigham and Womens Hospital, Boston, MA

4:42 PM Success in Lung Transplantation Outcomes after Receiving a Standardized Desensitization Therapy (Abstract #387)
S. Ganesh¹, C. L. Prohaska², C. Mares², M. J. Everly³, ¹Medicine, Keck Medical Center at the University of Southern California, Los Angeles, CA, ²BioMatrix, Weston, FL, ³Terasaki Research Institute, Los Angeles, CA

4:54 PM Circulating Exosomes Isolated from Human Lung Transplant Recipients Contain Nucleic Acids Specific to Virus and Can Lead to Activation of Stress Proteins (Abstract #388)
S. Bansal, R. Bremner, M. Smith, T. Mohanakumar, Norton Thoracic Institute, St. Joseph’s Hospital and Medical Center, Phoenix, AZ

5:06 PM Bronchoalveolar Lavage Biomarkers Predict Lung Transplant Survival (Abstract #389)
A. Zarinsfat¹, J. Y. Yang², R. Sarwal¹, J. Liberto¹, D. Watson³, S. Verleden⁴, M. Sarwal¹, ¹UC San Francisco, San Francisco, CA, ²Johns Hopkins, Baltimore, MD, ³KIT Bio, Los Altos, CA, ⁴KU Leuven, Leuven, Belgium

5:18 PM Not All Donor-Specific Antibodies Are Equal: Predictors of Risk of Chronic Lung Allograft Dysfunction (Abstract #390)
C. J. Iasella¹, C. R. Enso², M. Marrari³, M. Mangiola³, C. A. Moore¹, M. R. Morrell⁴, J. Pilewski⁴, J. F. McDyer⁴, A. Zeevi³, ¹Pharmacy and Therapeutics, University of Pittsburgh, Pittsburgh, PA, ²Florida Hospital Transplant Institute, AdventHealth Orlando, Orlando, FL, ³Pathology, University of Pittsburgh, Pittsburgh, PA, ⁴Medicine, University of Pittsburgh, Pittsburgh, PA

5:30 PM Decline in Club Cell Secretory Protein Results in Immune Responses to Lung Self-Antigens (Kα1 Tubulin and Collagen V) and Development of Chronic Rejection Following Human Lung Transplantation (Abstract #391)
Y. Itabashi¹, R. Ravichandran¹, M. Sharma¹, R. Hachem², R. Bremner¹, M. Smith¹, T. Mohanakumar¹, ¹Norton Thoracic Institute, St. Joseph’s Hospital and Medical Center, Phoenix, AZ, ²Washington University School of Medicine, St. Louis, MO

5:42 PM Association between Respiratory Virus Infections and the Development of De Novo HLA Donor-Specific Antibodies in Lung Transplant Recipients (Abstract #392)
M. I. Ali, J. Hata, J. Mallea, M. Elrefaei, Mayo Clinic, Jacksonville, FL
Non-Organ Specific: Pharmacogenomics / Pharmacokinetics

Room: 210
Chairs: R. Alloway, Univ of Cincinnati Coll of Med, Cincinnati, OH and P. Jacobson, Univ of MN, College of Pharmacy, Minneapolis, MN

4:30 PM Not All Poor Metabolizers Are Clinically Equal: Evaluating Weight-Based Tacrolimus Outcomes in CYP3A Loss of Function Variants (Abstract #393)

4:42 PM Impact of Liver Recipient Genotype on Tacrolimus (Abstract #394)
S. Tremblay1, T. Fukuda2, T. Mizuno2, A. A. Vinks3, E. Woodle1, J. Klawitter4, J. Klawitter4, U. Christians3, R. R. Alloway1, 1University of Cincinnati, Cincinnati, OH, 2Cincinnati Children's Hospital and Medical Center, Cincinnati, OH, 3iC42 Clinical Research and Development, Aurora, CO

4:54 PM Tacrolimus Pharmacokinetics in Young, Middle Age and Older Renal Transplant Recipients- Impact of CYP3A5*3*6*7 Metabolic Composite (Abstract #395)
K. Tornatore1, K. Attwood2, D. Brazeau3, R. Venuto4, 1University at Buffalo; School of Pharmacy, Buffalo, NY, 2Biostatistics, Roswell Park Comprehensive Cancer Center, Buffalo, NY, 3Marshall University; School of Medicine, Huntington, WV, 4University at Buffalo; School of Medicine, Buffalo, NY

5:06 PM A Clinical Pharmacogenetic Model to Predict the Efficacy of Sirolimus during the Early Administration in Renal Transplant Recipients (Abstract #396)
Z. Wang, S. Fei, Z. Han, J. Tao, R. Tan, M. Gu, No.300 Guangzhou Road of Nanjing, Nanjing, China

5:18 PM Polymorphisms in Mycophenolate Mofetil Glucuronidation Gene Are Associated with Leukopenia and Decreased CLAD-Free Survival (Abstract #397)

5:30 PM Association of Tacrolimus-Level Variance with De Novo DSA within the First 2 Years after Renal Transplantation (Abstract #398)
M. J. Everly1, I. Purnajo1, K. P. Briley2, J. L. Beaumont1, P. Bolin2, S. A. Kendrick3, H. Jones3, K. McLawhorn3, A. Q. Maldonado4, D. Leeser4, C. E. Haisch2, L. M. Rebellato4, 1Terasaki Research Institute, Los Angeles, CA, 2East Carolina University, Greenville, NC, 3Eastern Nephrology Associates, Greenville, NC, 4Vidant Medical Center, Greenville, NC

5:42 PM Intravenous Immunoglobulin Significantly Reduces Bioavailability of Concomitantly Administered Anti-C5 Monoclonal Antibodies (Abstract #399)
S. C. Jordan1, K. Kucher2, M. Bagger2, H. Hockey3, K. Wagner4, N. Ammerman1, J. Choi1, A. Vo1, 1Comprehensive Transplant Center, Cedars-Sinai Medical Ctr, Los Angeles, CA, 2Novartis Institutes for BioMedical Research, Basel, Switzerland, 3Biometrics Matters Ltd, Hamilton, New Zealand, 4Novartis Institutes for BioMedical Research, Cambridge, MA

Pancreas and Islet: All Topics II

Room: 209
Chairs: S. Yi, Houston Methodist Hospital, Houston, TX and M. Cooper

4:30 PM Preserved Heart Rate Variability and Endothelial Function One Year after Pancreas Transplantation (Abstract #400)
E. Nordheim, T. Halden, K. Birkeland, A. Åsberg, T. Jenssen, Department of Transplantation Medicine, Oslo University Hospital, OSLO, Norway
4:42 PM  **Policy Changes in Facilitated Pancreas Allocation Support Pancreas Utilization (Abstract #401)**

R. Urban¹, J. S. Odorico², S. V. Niederhaus³, R. Carrico⁴, A. Fox¹,
¹United Network for Organ Sharing, Richmond, VA, ²Department of Surgery, University of Wisconsin-Madison School of Medicine and Public Health, Madison, WI, ³Department of Surgery, University of Maryland Medical Center, Baltimore, MD

5:06 PM  **Pancreata From Donors With Renal Insufficiency: Viable For Transplant? (Abstract #403)**

X. Luo¹, J. Garonzik Wang², M. B. Doyle¹, A. Khan¹, T. Alhamad³, W. C. Chapman¹, A. Massie², D. Segev², J. R. Wellen¹,
¹Section of Abdominal Transplant Surgery, Washington University School of Medicine, St. Louis, MO, ²Department of Surgery, Johns Hopkins University, Baltimore, MD, ³Division of Nephrology, Washington University School of Medicine, St. Louis, MO

5:42 PM  **Portal-endocrine And Gastric-exocrine Drainage Technique In Pancreatic Transplantation (Abstract #406)**

G. Zibari¹, B. Samant, R. McMillan, N. Singh, H. Shokouh-Amiri, Willis-Knighton Regional Transplant Center, Shreveport, LA
4:50 PM  Recipient Myeloid Notch1 Disruption Shifts Neutrophil towards Anti-Inflammatory Phenotype and Protects Liver Grafts from Ischemia-Reperfusion Injury (Abstract #C23)  
S. Kageyama1, H. Hirao1, K. Kadono1, K. Nakamura1, K. J. Dery1, T. Ito2, D. Oncel1, J. Aziz1, B. Ke1, F. M. Kaldas2, R. W. Busuttil2, J. W. Kupiec-Weglinski1,  
1Dumont-UCLA Transplant Center, UCLA, Los Angeles, CA, 2Surgery, Ronald Reagan UCLA Medical Center, UCLA, Los Angeles, CA

5:00 PM  Blockade of C3aR1 Signaling Suppresses Alloreactive CD8+ T Cell Immunity and Prolongs Murine Cardiac Allograft Survival (Abstract #C36)  
J. Horwitz, D. Mathern, P. Heeger, Icahn School of Medicine at Mount Sinai, NY, NY

5:10 PM  De Novo Complement-Activating Donor Specific Antibodies in Pediatric Renal Transplant Recipients Are Highly Responsive to Therapy (Abstract #D100)  
V. Sigurjonsdottir, A. Chaudhuri, P. Grimm, Pediatric Nephrology, Stanford, Los Altos, CA

5:20 PM  FK506 Influence Glucose Metabolism by Short Chain Fatty Acid (Abstract #C50)  
W. Jiao1, Z. Zhang1, L. Liu2, X. Hu1,  
1Urology, Capital Medical University Beijing Chaoyang Hospital, Beijing, China, 2GI Division, West China Hospital, Beijing, China

5:30 PM  Poor Outcomes in Kidney Transplant Candidates & Recipients with History of Falls (Abstract #B246)  
N. Chu1, H. Ying1, Z. Shi1, C. Haugen1, S. Norman2, D. Segev1, M. McAdams-DeMarco1, 1Johns Hopkins, Baltimore, MD, 2Michigan Medical Center, Ann Arbor, MI

5:40 PM  Delayed Kidney Transplantation in Combined Liver Kidney Transplantation: A Validation Analysis by the UNOS Registry (Abstract #A278)  

AST Town Hall & Reception
5:45 pm - 8:00 pm

Hall A
Poster Session C – Presenters in Attendance

Hall C/D
Poster Viewing: 6:00 pm - 7:00 pm
Presenters in Attendance: 6:00 pm - 7:00 pm
Poster Session C can be found on pages 229-266.
AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Tuesday, June 4, 2019

7:00 am – 8:15 am  Sunrise Interactive
(Continental Breakfast Provided)

Page 103  The Enemy of Good is Better: Marginal Cardiac Donors Avoid Waste and Maximize Lives Saved
Room 310

Page 103  ApoL1 Genotyping in Living Kidney Donors
Ballroom A

Ballroom B

Page 103  Organ Vigilance Around the World: Different Strokes for Different Folks
Room 304

Page 104  What Do I Do Now: Challenging Cases in Post Renal Transplant Care
Ballroom C

Page 104  Pancreas Transplant Program Management in the Era of Declining Numbers
Room 311

Page 104  Accessing and Testing Mental Health Disorders in Transplant Recipients
Room 306

Page 104  Optimizing Pregnancy Success After Transplant
Room 208

Page 105  Challenges of Transplanting and Managing Alcoholic Hepatitis
Room 312

Page 105  Joint AST-IPTA Symposium: “It’s Friday Night of a Long Weekend and the Pediatric Transplant ID Specialist’s Beeper Goes Off…”
Room 210

Page 105  Brainstorming on Liver Allocation in Vulnerable Populations: Women and Children First?
Room 309

7:00 am – 8:15 am  Sunrise Didactic
(Continental Breakfast Provided)

Page 106  TCR/BCR Sequencing and Tracking
Room 302

8:15 am – 8:30 am  Break

8:30 am – 9:15 am  Plenary III

Page 106  Veterans Auditorium

9:15 am – 9:45 am  State-of-the-Art Speaker

Page 106  Paul I. Terasaki State-of-the-Art Speaker
Using Human Pluripotent Stem Cells to Make Tissue for Transplantation
Douglas Melton, PhD
Harvard Department of Stem Cell and Regenerative Biology
Cambridge, MA, USA
Veterans Auditorium

10:00 am – 10:15 am  Break

10:00 am – 10:45 am  Controversies in Transplantation-Basic

Page 107  Gene Editing in Transplantation
Ballroom B

10:00 am – 10:45 am  Controversies in Transplantation-Clinical

Page 107  Controversies in Clinical Transplantation
Veterans Auditorium
10:45 am – 11:15 am Coffee Break in Exhibit Hall

11:15 am – 12:45 pm Midday Interactive

Report of the UNOS Transplant System Performance Improvement Summit Workgroup
Room 206

Simultaneous Liver and Kidney Transplant (SLKT): Two Years of the Policy Change
Ballroom C

Are Protocol Biopsies Important in the Long Term Management of the Pediatric Liver Transplant Recipient?
Room 208

Wellness in the Workplace: Combating Burnout and Improving Experience Amongst Transplant Providers
Ballroom A

Organ Directed Therapy- From Regulation to Intervention
Room 306

11:15 am – 12:45 pm Midday Didactic

C4 Article: Challenges and Solutions for Appropriate and Timely Medication Access in Transplantation
Room 210

Macrophages in Tissue Injury and Repair
Room 302

What’s the “Real” Story: Artificial Kidney, Artificial Heart (and Lung)
Room 312

Page 110 Hacking Organs During Preservation: Organ Repair and Regeneration Ex Vivo
Room 309

Page 110 An Ounce of Prevention Is Worth a Pound of Cure: Vaccination After Solid Organ Transplantation
Ballroom B

Page 110 Defining the Risks of VCA
Room 209

Page 111 Technical Issues in Liver Transplantation
Room 311

Page 111 Diagnosis of AMR- What is the Data to Support the Banff Criteria?
Veterans Auditorium

Page 111 Islet Cell Transplantation: Time to Stop Talking About the Future and Implement Today!
Room 310

Page 111 The Science of Cellular Intervention
Room 304

Page 112 Xenotransplantation - Are We There Yet?
Room 313

12:45 pm – 1:00 pm Break

1:00 pm – 2:15 pm Sponsored Satellite Symposia

Satellite Symposia are open to all registered Congress attendees. Satellite Symposia take place at the Sheraton Boston Hotel. Please check the ATC website, www.atcmeeting.org, or ATC mobile app (ATC19) for the full Satellite Symposia program listing.

Page 112 Sheraton Boston Hotel
AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Tuesday, June 4, 2019

1:00 pm – 2:15 pm Luncheon Workshops
Page 113
(Additional Fees - Limited Ticketed Events)

Page 113
Creating a Multidisciplinary Team for Successful Pediatric and Young Adult Transition of Care
Room 108

Page 113
Addressing Sexuality and Fertility in the Transplant Recipient
Room 109

Page 113
Understanding the Legal, Ethical and Financial Impact of Drug Testing for Transplant Populations
Room 110

Page 119
Liver: Living Donors and Partial Grafts
Room 312

Page 120
Novel Insights in Kidney Infections
Room 311

Page 121
Biomarkers, Immune Monitoring and Outcomes IV
Room 306

Page 122
Non-Organ Specific: Economics & Ethics
Room 309

Page 123
Innate Immunity; Chemokines, Cytokines, Complement
Room 310

Page 124
Acute Rejection: Basic
Room 313

Page 124
Liver: Pediatrics
Room 210

Page 125
Non-Organ Specific: Disparities and Access to Healthcare I
Room 208

Page 126
Kidney Paired Exchange
Room 206

Page 127
Small Bowel
Room 209

2:15 pm – 2:30 pm Break

2:30 pm – 4:00 pm Concurrent Oral Abstract Sessions

Page 113
Kidney Complications: Late Graft Failure III
Veterans Auditorium

Page 114
Kidney Deceased Donor Allocation III
Ballroom B

Page 115
Kidney: Acute Cellular Rejection
Ballroom C

Page 116
Liver Transplant Complications and Retransplantation II
Ballroom A

Page 117
Kidney Psychosocial II: Substances and Access & Barriers
Room 302

Page 118
Kidney Living Donor: Long Term Outcomes
Room 304

Page 129
Kidney Immunosuppression: Novel Regimens and Drug Minimization III
Veterans Auditorium

Page 130
Kidney: Polyoma
Ballroom B

4:00 pm – 4:30 pm Coffee Break in the Exhibit Hall

4:30 pm – 6:00 pm Concurrent Oral Abstract Sessions
Page 131  Kidney: Cardiovascular and Metabolic III
           Ballroom C

Page 131  Kidney Living Donor: Selection
           Ballroom A

Page 132  Liver - Kidney Issues in Liver Transplantation
           Room 302

Page 133  Kidney Immunosuppression: Induction Therapy
           Room 304

Page 134  Liver: Recipient Selection
           Room 312

Page 135  Lymphocyte Biology: Signaling, Co-Stimulation, Regulation
           Room 311

Page 136  Biomarkers, Immune Monitoring and Outcomes V
           Room 306

Page 137  Non-Organ Specific: Viral Hepatitis
           Room 309

Page 138  Stem Cell, Cellular Therapies and Regenerative Medicine
           Room 310

Page 139  Ischemia Reperfusion & Organ Rehabilitation III
           Room 313

Page 140  Quality Assurance Process Improvement & Regulatory Issues II
           Room 210

Page 141  Non-Organ Specific: Disparities and Access to Healthcare II
           Room 208

Page 142  Late Breaking Oral Abstract
           Room 206

6:00 pm – 7:00 pm Poster Session D
Presenters in Attendance
Hall C/D
Sunrise Symposia: Interactive (Continental Breakfast Provided)
7:00 am – 8:15 am

**The Enemy of Good is Better: Marginal Cardiac Donors Avoid Waste and Maximize Lives Saved**

*Room 310*

Moderators: Robert L. Gottlieb, MD, PhD, Baylor University Medical Center, Dallas, TX, USA. Jane Wilcox, MD, Northwestern Medicine, Chicago, IL, USA.

7:00 am  Until Death Do Us Part: The Art and Science of Matchmaking Marginal Donor and Recipient Pairs

David Baran, MD, Sentara Heart Hospital, Norfolk, VA, USA.

7:20 am  I’ll take it! How a Large Center Decides to Accept the Hearts That the Smaller Center Declined for Organ Quality

Michelle M. Kittleson, MD, PhD, Cedars-Sinai, Los Angeles, CA, USA.

7:40 am  Going to the Ends of the Earth for a Heart: The UK Experience with Heart Transplantation from DCD Donors


8:00 am  Panel Discussion

**ApoLI Genotyping in Living Kidney Donors**

*Ballroom A*

Moderators: Vineeta Kumar, MD, University of Alabama at Birmingham, Birmingham, AL, USA. Deirdre Sawinski, MD, University of Pennsylvania, Philadelphia, PA, USA.

7:00 am  The NIH APOLLO Study: Assessing APOL1 in Transplant Outcomes

Barry I. Freedman, MD, Wake Forrest School of Medicine, Winston-Salem, NC, USA.

7:20 am  The Time Has Come - Test Everyone

Mona Doshi, MD, University of Michigan Medicine, Ann Arbor, MI, USA.

7:40 am  We Need More Data - Do Not Test

Jayme E. Locke, MD, MPH, University of Alabama at Birmingham, Birmingham, AL, USA.

8:00 am  Panel Discussion

**New Insights into Fungal Infections in Thoracic, Liver, and Kidney Transplant Recipients**

*Ballroom B*

Moderators: Shahid Husain, MD, MS, University Health Network, Toronto, ON, Canada. Sophia Koo, MD, Brigham and Women’s Hospital; Harvard Medical School, Boston, MA, USA.

7:00 am  Who, What, When, Where & Why? Antifungals in Practice

Tracy Sparkes, PharmD, BCPS, University of Maryland Medical Center, Baltimore, MD, USA.

7:15 am  Antifungal Drugs in Transplant Recipients: Drug-Drug Interactions, Dosing, and Inhaled, IV, and Oral Formulations

Jennifer McDermott, PharmD, BCPS, Spectrum Health, Grand Rapids, MI, USA.

7:30 am  New Diagnostics: Which are Worth Your Time and Money?

Rachel Miller, MD, Duke University, Durham, NC, USA.

7:45 am  Does This Patient Need Antifungal Prophylaxis?

Fernanda Silveira, MD, University of Pittsburgh and UPMC, Pittsburgh, PA, USA.

8:00 am  Panel Discussion

**Organ Vigilance Around the World: Different Strokes for Different Folks**

*Room 304*

Moderators: Michael Ison, MD, MS, Northwestern University Feinberg School of Medicine, Chicago, IL, USA. Cameron R. Wolfe, MBBS(Hons), MPH, Duke University Medical Center, Durham, NC, USA.

7:00 am  14 Years of DTAC: US perspective

Marian Michaels, MD, MPH, UPMC Children’s Hospital of Pittsburgh, Pittsburgh, PA, USA.
7:20 am  Organ Vigilance: The Euro-transplant Experience

7:40 am  Project NOTIFY: What’s it all about?

8:00 am  Panel Discussion

What Do I Do Now? Challenging Cases in Post Renal Transplant Care

Ballroom C
Moderators: Michelle Lubetzsky, MD, Weill Cornell New York Presbyterian Hospital, New York, NY, USA. Parmjeet Randhawa, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA.

7:00 am  Provider-Perceived Common Immunosuppression Side Effects and Management in Kidney Transplant Recipients
Jennifer Trofe-Clark, PharmD, BCPS, University of Pennsylvania, Philadelphia, PA, USA.

7:20 am  Treatment of Recurrent FSGS
Nada Alachkar, MD, Johns Hopkins University School of Medicine, Baltimore, MD, USA.

7:40 am  Management Challenges in BK Virus Associated Nephropathy
Michelle Josephson, MD, University of Chicago Medicine, Chicago, IL, USA.

8:00 am  Panel Discussion

Pancreases Transplant Program
Management in the Era of Declining Numbers

Room 311
Moderators: John Friedewald, MD, FAST, Northwestern University, Chicago, IL, USA. Robert J. Stratta, MD, Wake Forest Baptist Medical Center, Winston-Salem, NC, USA.

7:00 am  SPK Versus LD then PAK Versus Alternative Therapies
Jon Odorico, MD, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA.

7:20 am  Maintaining Adequacy in a Low Volume Program
Ty B. Dunn, MD, MS, University of Pennsylvania, Philadelphia, PA, USA.

7:40 am  Regulation and Stewardship for Pancreas Transplant Programs
Matthew Cooper, MD, Professor of Surgery, Medstar, Georgetown Transplant Institute Washington, DC, USA.

8:00 am  Panel Discussion

Assessing and Treating Mental Health Disorders in Transplant Recipients

Room 306
Moderators: Wendy Balliet, PhD, Medical University of South Carolina, Charleston, SC, USA. Akhil Shenoy, MD, MPH, Columbia University Medical Center, New York, NY, USA.

7:00 am  Personality Disorders and Transplantation
Mark W. Nickels, MD, University of Rochester Medical Center, Rochester, NY, USA.

7:20 am  Adaptation to Illness for Transplant Candidates and Recipients
Alexandra Gee, PsyD, University of Cincinnati College of Medicine, Cincinnati, OH, USA.

7:40 am  Psychiatric Medications and Transplantation
Kathy Coffman, MD, Cleveland Clinic, Cleveland, OH, USA.

8:00 am  Panel Discussion

Optimizing Pregnancy Success After Transplant

Room 208
Moderators: Lisa Coscia RN, BSN, Transplant Pregnancy Registry International, Philadelphia, PA, USA. Sangeeta Bhorade, MD, Northwestern Medicine; Feinberg School of Medicine, Chicago, IL, USA.

7:00 am  Ethical Issues Surrounding Pregnancy Following SOT and VCA
Avivia Goldberg, MD, MA, University of Manitoba, Winnipeg, MB.
7:20 am  Ethical Issues Surrounding Pregnancy Following SOT and VCA
Tam Khuu, PharmD, BCPS, UCLA, Los Angeles, CA, USA.

7:40 am  Monitoring the Transplant During Pregnancy
Jon A. Kobashigawa, MD, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, USA.

8:00 am  Panel Discussion

**Challenges of Transplanting and Managing Alcoholic Hepatitis**

*Room 312*
Moderators: Norah Terrault, MD, Keck School of Medicine of USC, Los Angeles, CA, USA. Russ Weisner, MD, Mayo Clinic, Rochester, MN, USA.

7:00 am  Psychosocial Evaluation and Management of Acute Alcoholic Hepatitis Needing Transplantation
Andrew Cameron, MD, PhD, Johns Hopkins Hospital, Baltimore, MD, USA.

7:20 am  Early and Late Outcome of Transplantation for Acute Alcoholic Hepatitis
Gene Y. Im, MD, Icahn School of Medicine, Division of Liver Disease, RMTI, New York, NY, USA.

7:40 am  Ramification of Transplanting Alcoholic Hepatitis on Allocation and Organ Donation
Mike Abecassis, MD, MBA, Northwestern Medicine; Feinberg School of Medicine, Chicago, IL, USA.

8:00 am  Panel Discussion

**Joint AST-IPTA Symposium: “It's Friday Night of Long Weekend and the Pediatric Transplant ID Specialist’s Beeper Goes Off...”**

*Room 210*
Moderators: Michael Green, MD, MPH, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA. Timothy Pruett, MD, University of Minnesota, Minneapolis, MN, USA.

7:00 am  ‘What Do You Mean You Have a Donor? She’s infected!’
Lara Danziger-Isakov, MD, MPH, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, USA.

7:20 am  Viral infections After a Solid Organ Transplantation (excluding EBV and CMV)’ Current State of Immunizations in Pediatric Transplantation
Sharon Bazak, MD, University of Minnesota, Minneapolis, MN, USA.

7:40 am  ‘But Dr. ID... None of my Transplant Patients Get Infections Anymore- What is the Point of Prophylaxis?’
Upton Allen, MBBS, MSc, Sick Kids- The Hospital of Sick Children, Toronto, ON.

8:00 am  Panel Discussion

**Brainstorming on Liver Allocation in Vulnerable Populations: Women and Children First?**

*Room 309*
Moderators: Thomas Fishbein, MD, MedStar Health, Washington, DC, USA. Richard Gilroy, MD, Intermountain Health, Murray, UT, USA.

7:00 am  It’s in the Heights: Eliminating Gender-Based Disparity in Liver Transplantation
Jennifer Lai, MD, MBA, UCSF Health, San Francisco, CA, USA.

7:20 am  Pediatric Prioritization: Moral Imperative on Behalf of Children and its Impact on Organ Donation and Public Opinion
Evelyn Hsu, MD, Seattle Children’s, Seattle, WA, USA.
7:40 am  Splitting Up is Hard to Do: Split Liver Transplant and Other Approaches to Increasing Allograft Availability
  Bart Kane, MD, PhD, University of Kansas Medical Center, Kansas City, KS, USA.

8:00 am  Panel Discussion

Sunrise Symposia: Didactic (Continental Breakfast Provided)
7:00 am – 8:15 am

TCR/BCR Sequencing and Tracking
Room 302
Moderators: Xuonrong Luo, MD, PhD, Duke University, Durham, NC, USA. Roslyn Mannon, MD, University of Alabama-Birmingham, Birmingham, AL, USA.

7:00 am  Alloreactive Cell Tracking
  Megan Sykes, MD, Columbia University, New York, NY, USA.

7:20 am  Audience Discussion

7:25 am  T Cell CMV Responses
  Jonathan Maltzman, MD, PhD, Stanford University, Palo Alto, CA, USA.

7:45 am  Audience Discussion

7:50 am  B Cell Antibodyomics in Transplantation
  Indira Guleria, PhD, Brigham and Women’s Hospital, Boston, MA, USA.

8:00 am  Audience Discussion

Break
8:15 am - 8:30 am

Plenary Session III
8:30 AM - 9:15 AM
Veterans Auditorium
Chairs: Jean Emond, MD, Immediate Past President, ASTS, New York, NY and Ronald Gill, PhD, FAST, Past President, AST, Aurora, CO.

8:30 AM  Pediatric Liver Retransplantation: Prognostic Scoring Tool (Abstract #407)
  A. Kuhne, D. Vock, J. Back, K. Ramanathan, A. Matas, S. Chinnakotla, University of Minnesota Medical School, Minneapolis, MN

8:45 AM  Lymphotoxin Beta Receptor in Lymphatic Endothelial Cells Regulates Treg Migration and Allograft Protection (Abstract #408)
  V. Saxena, W. Piao, L. Li, C. M. Paluskievicz, Y. Xiong, T. Simon, J. S. Bromberg, U Maryland, Baltimore, MD

9:00 AM  Actions Speak Louder Than Labs - The Impact of Dialysis Compliance on Posttransplant Outcomes (Abstract #409)
  D. Sawinski¹, H. Lindner², J. Schults³, J. Locke⁴, P. Reese⁴, ¹Hospital of the U of Pennsylvania, Philadelphia, PA, ²University of Pennsylvania, Philadelphia, PA, ³Children’s Hospital of Pennsylvania, Philadelphia, PA, ⁴University of Alabama at Birmingham, Birmingham, AL

Paul I. Terasaki State-of-the-Art Speaker
Veterans Auditorium
9:15 am – 9:45 am

Using Human Pluripotent Stem Cells to Make Tissue for Transplantation
  Douglas Melton, PhD
  Harvard Department of Stem Cell and Regenerative Biology
  Cambridge, MA, USA
Break
9:45 am - 10:00 am

Controversies in Transplantation: Basic - Gene Editing in Transplantation
10:00 am – 10:45 am

Ballroom B
Moderators: Jay A. Fishman, MD, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA. Roslyn Mannon, MD, University of Alabama-Birmingham, Birmingham, AL, USA.

10:00 am Debate - Pro: Gene Editing in Transplantation
Alfred A. Tector III, MD, PhD, University of Alabama at Birmingham, Birmingham, AL, USA.

10:10 am Debate - Con: Gene Editing in Transplantation
Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA, USA.

10:20 am Rebuttal: Pro
Alfred A. Tector III, MD, PhD, University of Alabama at Birmingham, Birmingham, AL, USA.

10:25 am Rebuttal: Con
Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA, USA.

10:30 am Panel Discussion
Panelists:
Matthew Levine, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA.

Roslyn Mannon, MD, University of Alabama-Birmingham, Birmingham, AL, USA.

Jonathan Bromberg, MD, PhD, University of Maryland School of Medicine, Baltimore, MD, USA.

Abarahm Shaked, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA.

Coffee Break in Exhibit Hall
10:45 am – 11:15 am
Hall C/D

Controversies in Transplantation-Clinical
10:00 am – 10:45 am

Veterans Auditorium
Moderators: Richard Gilroy, MD, FRACP, Intermountain Healthcare, Murray, UT, USA. Robert Gaston, MD, CTI Clinical Trial & Consulting Services, Covington, KY, USA.

10:00 am “Transplant Metrics Drive Quality Patient Care”
Jon Snyder, PhD, CDRG, Minneapolis, MN, USA.

10:15 am “Contemporary Use of Transplant Metrics have Perverse Effects on Innovation Organ Utilization and Access to Care”
Jesse Schold, PhD, Cleveland Clinic, Cleveland, OH, USA.

10:30 am Panel Discussion
Shelley Hall, MD, Baylor Dallas, Dallas, TX, USA.

10:30 am Panel Discussion
John Gill, MD, MS, Providence Health Care, Vancouver, BC, Canada.

10:30 am Panel Discussion
David Goldberg, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA.

10:30 am Panel Discussion
Lloyd Ratner, MD, Columbia University, New York, NY, USA.
Midday Symposia: Interactive
11:15 am – 12:45 pm

Report of the UNOS Transplant System
Performance Improvement Summit
Workgroup
Room 206
Moderators: Diane Brockmeier, President and CEO, Mid-America Transplant Services, St. Louis, MO, USA. Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Washington, DC, USA.

11:15 am Leveraging Research and Technology for Improved Decision-Making - Catching Up to the 21st Century
David Foley, MD, University of Wisconsin, Madison, WI, USA.

11:35 am Enhanced Performance Monitoring - A Better Look Inside and Out
Jeffrey Orlowski, MS, LifeShare, Oklahoma City, OK, USA.

11:55 am Future Collaborative Improvement Projects and Engaging External Stakeholders - We’re All In This Together!
Susan Gunderson, MHA, LifeSource, Minneapolis, MN, USA.

12:15 pm Panel Discussion

Simultaneous Liver and Kidney Transplant (SLKT): Two Years of the Policy Change
Ballroom C
Moderators: Daniel (Gabriel) Danovitch, MD, FRCP, UCLA, Los Angeles, CA, USA. Pratima Sharma, MD, MS, University of Michigan Medicine, Ann Arbor, MI, USA.

11:15 am Indications and Patient Selection for SLKT vs. Kidney after LT: Transplant Hepatologist Perspective
James Trotter, MD, Baylor University, Dallas, TX, USA.

11:40 am Two Years after Policy Change Outcomes: Decision Making of SLKT vs. Kidney After LT: Transplant Nephrology Perspective
Alexander Wiseman, MD, University of Colorado School of Medicine, Aurora, CO, USA.

12:05 pm Surgical Perspectives on Liver Kidney: Simultaneous vs. Short (Pump) vs. Long Delay (Safety Net)
William Goggins, MD, Indiana University School of Medicine, Indianapolis, IN, USA.

12:30 pm Panel Discussion

Are Protocol Biopsies Important in the Long Term Management of the Pediatric Liver Transplant Recipient?
Room 208
Moderators: Estella Alonso, MD, Northwestern Medicine; Feinberg School of Medicine, Chicago, IL, USA. Michael Ishitani, MD, Mayo Clinic, Rochester, MD, USA.

11:15 am Long Term Graft Survival in Pediatric Liver Transplant Patients
Carlos O. Esquivel, Stanford Abdominal Transplantation, Stanford, CA, USA.

11:35 am Debate - Pro: Protocol Liver Biopsy Should be Done in All Pediatric Liver Transplant Recipients
Udeme Ekong, MD, MPH, Yale University, New Haven, CT, USA.

11:55 am Debate - Con: Protocol Liver Biopsy Should be Done in All Pediatric Liver Transplant Recipients
Simon Horslen, MB, ChB, Seattle Children’s Hospital, Seattle, WA, USA.

12:15 pm Rebuttal: Pro
Udeme Ekong, MD, MPH, Yale University, New Haven, CT, USA.

12:35 pm Rebuttal: Con
Simon Horslen, MB, ChB, Seattle Children’s Hospital, Seattle, WA, USA.

12:35 pm Audience Discussion
Wellness in the Workplace: Combating Burnout and Improving Experience Amongst Transplant Providers

**Ballroom A**

Moderators: Teresa DeMarco, MD, UCSF Health, San Francisco, CA, USA. Anil Chandraker, MD, Brigham Health-Brigham and Women’s Hospital, Boston, MA, USA.

**11:15 am** The Importance of Work-Life Balance in Today’s Society: The Novice’s Perspective
TrisAnn Rendulic, PharmD, BCPS, University of Kentucky HealthCare, Lexington, KY, USA.

**11:30 am** Provider Burnout: Why is it Happening and What Effects Does It Have?
Rupal Shah, MD, UCSF Health, San Francisco, CA, USA.

**11:50 am** Provider Burnout: What Can We Do About It? Are the Solutions and How Can They Be Implemented?
Elizabeth Pomfret, MD, PhD, University of Colorado Anschutz Medical Center, Aurora, CO, USA.

**12:10 pm** Provider Burnout: How to Promote Provider Wellness Through Lessons Learned from Our Patients?
Jennifer Guy, MD, Sutter Health, San Francisco, CA, USA.

**12:30 pm** Panel Discussion

Organ Directed Therapy- From Regulation to Intervention

**Room 306**

Moderators: Wayne Hancock, MD, PhD, University of Pennsylvania & Children’s Hospital of Philadelphia, Philadelphia, PA, USA. Lorenzo Gallon, MD, Northwestern University, Chicago, IL, USA.

**11:15 am** Regulatory Issues in Donor and Organ Interventional Studies
Sandy Feng, MD, PhD, UCSF Health, San Francisco, CA, USA.

**11:40 am** Whole Body Approaches to Intervention
Stefan Tullius, MD, PhD, FACS, Brigham and Women’s Hospital, Boston, MA, USA.

**12:05 pm** Molecular Approaches to Organ Intervention
Matthew Levine, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA.

**12:30 pm** Panel Discussion

Midday Symposia: Didactic

**11:15 am – 12:45 pm**

C4 Article: Challenges and Solutions for Appropriate and Timely Medication Access in Transplantation

**Room 210**

Moderators: Lisa Potter, Angela Maldonado, Dave Taber, Barrett Crowther, Maya Campara, and Demetra Tsapepas.

**11:15 am – 12:45 pm**

Macrophages in Tissue Injury and Repair

**Room 302**

Moderators: Jerzy W. Kupiec-Weglinski, MD, PhD, University of California Los Angeles, Los Angeles, CA, USA. Xian Li, MD, PhD, Houston Methodist Hospital, Houston, TX, USA.

**11:15 am** Macrophages in Organ Ischemia-Reperfusion Injury
Yuan Zhai, PhD, Surgery David Geffen School of Medicine-UCLA, Los Angeles, CA, USA.

**11:35 am** Audience Discussion

**11:45 am** Macrophages in Transplantation Tolerance
Jordi Ochando, PhD, Mount Sinai, New York, NY, USA.

**12:05 pm** Audience Discussion

**12:15 pm** Macrophage Heterogenicity in Tissue Inflammation and Homeostasis
Xian Li, MD, PhD, Houston Methodist Hospital, Houston, TX, USA.

**12:35 pm** Audience Discussion
What’s the “Real” Story: Artificial Kidney, Artificial Heart (and Lung)

Room 312
Moderators: Sean Pinney, MD, Mount Sinai, New York, NY, USA. Bryan Whitson, MD, PhD, The Ohio State University Wexner Medical Center, Columbus, OH, USA.

11:15 am Every Breath You Take - ECMO for Nephrologists
Hannah Copeland, MD, University of Mississippi Medical Center, Jackson, MS, USA.

11:35 am Audience Discussion

11:45 am Be Still My Heart -Fundamentals of VAD Management for Nephrologists
Palak Shah, MD, MD, Inova Heart and Vascular Institute, Falls Church, VA, USA.

12:05 pm Audience Discussion

12:15 pm Regenerative Liver Replacement: Resetting Terminal Liver Failure from Inside Out
Alejandro Soto-Gutierrez, MD, PhD, University of Pittsburgh, Pittsburgh, PA, USA.

12:35 pm Audience Discussion

An Ounce of Prevention is Worth a Pound of Cure: Vaccination After Solid Organ Transplantation

Ballroom B
Moderators: Oriol Manuel, MD, CHUV, Lausanne, Suisse. Anoma Nellore, MD, University of Alabama Birmingham, Birmingham, AL, USA.

11:15 am Pediatric Vaccination: Are We Ready to Give Live Viral Vaccines Post-Transplant?
Klara M. Posfay-Barbe, MD, MS, University Hospitals of Geneva & Geneva Medical School, Geneva, Switzerland.

11:35 am Audience Discussion

11:45 am Vaccines for Adult Transplant Recipients: New Data
Deepali Kumar, MD, MSC, UHN Research, Toronto, Ontario.

12:05 pm Audience Discussion

12:15 pm ‘B’-Sides Serology: Novel Measures of Vaccine Protection
Anoma Nellore, MD, University of Alabama Birmingham, Birmingham, AL, USA.

12:35 pm Audience Discussion

Hacking Organs During Preservation: Organ Repair and Regeneration Ex Vivo

Room 309
Moderators: Jedd Lewis, JD, Organ Preservation Alliance, Berkeley, CA, USA. Giuseppe Orlando, MD, PhD, Wake Forest Baptist Health, Winston-Salem, NC, USA.

11:15 am Implementing the Vision: The Organ Repair Center, Where Regenerative and Transplant Medicine Meet
Shaf Keshavjee, MD, University Health Network, Toronto, Ontario.

11:35 am Audience Discussion

11:45 am Therapeutic Targets and Experimental Strategies to Optimize Normothermic Machine Perfusion of Livers
Andrew Barbas, MD, Duke University, Durham, NC, USA.

12:05 pm Audience Discussion

Defining the Risks of VCA

Room 209
Moderators: Rolf Barth, MD, University of Maryland, Baltimore, MD, USA. Andreas Tzakis, MD, Cleveland Clinic, Weston, FL, USA.

11:15 am Complications of Immunosuppression in VCA
Gerald Brandacher, MD, Johns Hopkins Medicine, Baltimore, MD, USA.

11:35 am Audience Discussion

11:45 am Surgical Complications in VCA
Simon G. Talbot, MD, Brigham and Women’s Hospital, Boston, MA, USA.
12:05 pm Audience Discussion

12:15 pm Risks of Mortality and End Stage Organ Damage in VCA Vijay
Goranthla, MD, PhD, Wake Forest University Health Sciences, Winston Salem, NC, USA.

12:35 pm Audience Discussion

Technical Issues in Liver Transplantation

Room 311
Moderators: Alan Langnas, DO, University of Nebraska, Omaha, NB, USA. John Goss, MD, Baylor College of Medicine, Houston, TX, USA.

11:15 am Various Approaches to Portal Vein Thrombosis and Significant Venous Shunts
Yuri Genyk, MD, University of Southern Carolina, Los Angeles, CA, USA.

11:35 am Audience Discussion

11:45 am The Role of Veno-Venous Bypass and How to Manage Outflow Issues
Vatche Agopian, MD, UCLA Health, Los Angeles, CA, USA.

12:05 pm Audience Discussion

12:15 pm What are the Risks and Benefits of Arterial Conduits - Results of the Conduit Study
Henrik Petrowsky, MD, University Hospital Zurich, Zurich, Switzerland.

12:35 pm Audience Discussion

Diagnosis of AMR- What is the Data to Support the Banff Criteria?

Veterans Auditorium
Moderators: Lorraine Racusen, MD, The Johns Hopkins University School of Medicine, Baltimore, MD, USA. Enver Akalin, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY, USA.

11:15 am History and Evolution of Banff Criteria for AMR
Mark Haas, MD, PhD, Cedars-Sinai Medical Center, Los Angeles, CA, USA.

11:40 am What is the Data to Support the Changes Made in the Banff 2017 Criteria?
Alexandre Loupy, MD, PhD, Paris Transplant Group, Paris, France.

12:05 pm Who Should be Treated for AMR?
Peter Nickerson, MD, FRCP, University of Manitoba, Winnipeg, MB, Canada.

12:30 pm Panel Discussion

Islet Cell Transplantation: Time to Stop Talking About the Future and Implement Today!

Room 310
Moderators: Kenneth Brayman, MD, PhD, University of Virginia, Charlottesville, VA, USA. Peter Stock, MD, PhD, UCSF Health, San Francisco, CA, USA.

11:15 am Islet Transplantation: Defining Outcomes and How to Optimize Immunosuppression
Michael R. Rickels, MD, MS, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, USA.

11:35 am Audience Discussion

11:45 am Cutting Edge Innovations in Islet Transplantation: What’s New and What’s Coming
David A. Baidal, MD, Diabetes Research Institute, Hollywood, FL, USA.

12:05 pm Audience Discussion

12:15 pm How to Overcome Financial/Regulatory Hurdles for Islet Transplantation in the United States
Kenneth Brayman, MD, PhD, University of Virginia, Charlottesville, VA, USA.

12:35 pm Audience Discussion

The Science of Cellular Intervention

Room 304
Moderators: Reza Abdi, MD, Brigham and Women’s Hospital, Boston, MA, USA. Robert Fairchild, PhD, Cleveland Clinic, Cleveland, OH, USA.

11:15 am Dendritic Cell Intervention
Angus Thompson, PhD, DSc, University of Pittsburgh, Pittsburgh, PA, USA.

11:35 am Audience Discussion

11:45 am Mesenchymal Stem Cell Intervention
Marlies Reinders, MD, PhD, Leiden University, Leiden, Netherlands.

12:05 pm Audience Discussion
12:15 pm  **CAR Treg Development**  
Qizhi Tang, PhD, University of California-San Francisco, San Francisco, CA, USA.  

12:35 pm  **Audience Discussion**  

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**Xenotransplantation - Are We There Yet?**  

**Room 313**  
Moderators: Burcin Ekser, MD, PhD, Indiana University School of Medicine, Indianapolis, IN, USA. Ronald Gill, PhD, University of Colorado, Denver, CO, USA.  

11:15 am  **Advances in Genetic Engineering for Xenotransplantation**  
David Ayares, PhD, Revivicor Inc, Blacksburg, VA, USA.  

11:30 am  **Progress in Xeno Islet Primate Work**  
Andrew Adams, MD, PhD, Emory University, Atlanta, GA, USA.  

11:45 am  **Process in Xeno Islet Primate Work and Clinical Trials**  
Bernhard Hering, MD, University of Minnesota, Minneapolis, MN, USA.  

12:00 pm  **We Can Handle the Infectious Concerns**  
Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA, USA.  

12:15 pm  **Debate; Clinical Trial for a Xenotransplantation: Pro “We are Ready”**  
Devin Eckhoff, MD, University of Alabama at Birmingham, Birmingham, AL, USA.  

12:25 pm  **Debate; Clinical Trial for a Xenotransplantation: Con “I am Not Sure I Will Refer My Patient to You for This Clinical Trial”**  
Robert Montgomery, MD, NYU Langone, Mineola, NY, USA.  

12:35 pm  **Audience Discussion**  

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**Break**  
12:45 pm - 1:00 pm  

**Sponsored Satellite Symposia**  
1:00 pm – 2:15 pm  
Satellite Symposia are open to all registered Congress attendees. Satellite Symposia take place at the Sheraton Boston Hotel. Please check the ATC website, www.atcmeeting.org, or ATC mobile app (ATC19) for the full Satellite Symposia program listing.
Luncheon Workshops (Additional Fees - Limited Ticketed Events) 
1:00 pm – 2:15 pm

Creating a Multidisciplinary Team for Successful Pediatric and Young Adult Transition of Care
Room 108
Moderators: Lorraine Bell, MDCM, FRCPC, Montreal Children’s Hospital, Montreal, QC, Canada. Priya Verghese, MD, University of Minnesota, Minneapolis, MN, USA.

Addressing Sexuality and Fertility in the Transplant Recipient
Room 109
Moderators: Lisa Coscia, RN, BSN, Transplant Pregnancy Registry International, Philadelphia, PA, USA. Serbian Constantinescu, MD, PhD, Lewis Katz School of Medicine-Temple University, Philadelphia, PA, USA.

Understanding the Legal, Ethical and Financial Impact of Drug Testing for Transplant Populations
Room 110
Moderators: Sheila G. Jowsey-Gregorie, MD, Mayo Clinic, Rochester, MN, USA. Paul Zimbrean, MD, Yale University, New Haven, CT, USA.

Break
2:15 pm-2:30 pm

Concurrent Oral Abstract Sessions
2:30 pm – 4:00 pm

Kidney Complications: Late Graft Failure III
Veterans Auditorium
Chairs: N. Goyal Tufts Medical Center, Boston, MA and N. Issa

2:30 PM Galectin-3 and Long-Term Graft Failure in Renal Transplant Recipients: A Prospective Cohort Study (Abstract #410)
C. G. Sotomayor1, C. A. Keyzer1, J. L. Anderson1, R. O. Gans2, I. M. Nolte3, M. H. de Borst1, S. P. Berger1, G. J. Navis1, R. A. de Boer4, S. J. Bakker1, ‘Division of Nephrology, Department of Internal Medicine, University Medical Center Groningen, Groningen, Netherlands, 2Department of Internal Medicine, University Medical Center Groningen, Groningen, Netherlands, 3Department of Epidemiology, University Medical Center Groningen, Groningen, Netherlands, 4Department of Cardiology, University Medical Center Groningen, Groningen, Netherlands

2:42 PM Impact of Functional Delayed Graft Function in the Modern Era of Kidney Transplantation (Abstract #411)
D. Cucchiari, A. Molina-Andujar, E. Montagud-Marrahi, J. Rovira, F. Diekmann, Renal Transplant Unit, Hospital Clinic, Barcelona, Spain

2:54 PM The Economic Burden of Graft Failure in the United States (Abstract #412)
J. A. Sussell1, A. R. Silverstein1, P. Goutam1, D. Incerti1, R. Kee1, D. S. Batty, Jr.2, C. X. Chen2, J. Jansen1, B. L. Kasiske3, 1Precision Health Economics, Oakland, CA, 2Mederor Therapeutics, South San Francisco, CA, 3Hennepin County Medical Center, Minneapolis, MN

3:06 PM Association Of Kdpi And Dgf With Dcd Kidney Transplants Outcomes (Abstract #413)
M. Sampaio, B. Abdalla, S. Bunnapradist, David Geffen Sch of Med at UCLA, Los Angeles, CA

3:18 PM Prophylactic Use of Eculizumab in Patients at High Risk of Post-Transplant aHUS Recurrence Improves Graft Outcomes (Abstract #414)
3:30 PM Keeping Patients Lifetime Perspective in Focus: Modest Rates and Wide Variation in Preemptive Re-Listing for Kidney Transplantation in the US (Abstract #415)
J. Schold, J. Augustine, A. Huml, J. O’Toole, J. Sedor, E. Poggio, Cleveland Clinic, Cleveland, OH

3:42 PM Outcomes Of Single And En-bloc Pediatric Kidneys According To Kdip (Abstract #416)
M. Sampaio, E. Lum, A. Gritsch, S. Bunnapradist, David Geffen Sch of Med at UCLA, Los Angeles, CA

Kidney Deceased Donor Allocation III

Ballroom B
Chairs: K. Andreoni, University of Florida, Gainesville, FL and F. Wright, Texas Transplant Institute, San Antonio, TX

2:30 PM A Safe Anti-A2 Titer for a Successful A2 Incompatible Kidney Transplantation (Abstract #417)
G. Nair, M. Ajaimy, J. Graham, L. Liriano-Ward, A. Campbell, C. Pynadath, Y. Azzi, O. Andacoglu, S. Greenstein, M. Kinkhabwala, J. Rocca, E. Akalin, Montefiore Medical Center, Bronx, NY

2:42 PM Kidney Transplants Outcomes from Deceased Donors with Acute Kidney Injury (Abstract #418)
C. Jung, P. Sood, R. Mehta, D. Jorgensen, M. Molinari, S. Hariharan, A. Ganoza, D. Van Der Windt, M. Wijkstrom, C. Puttarajappaa, A. Tevar, Korea Univ. Anam Hospital, Seoul, Korea, Republic of, 2Univ. Pittsburgh Medical Center, Pittsburgh, PA, 2Department of Surgery, Univ. Pittsburgh Medical Center, Pittsburgh, PA

2:54 PM The Effect Of Exclusive Virtual Crossmatch To Allocate Deceased Donor Kidney Transplant On Cold Ischemia Time And Acute Rejection (Abstract #419)
E. Abuhelaiqa, M. Alkadi, S. Thappy, S. Saleh, J. Mahmoud, M. Jarman, O. Fituri, M. Elkhalfia, J. Wadström, H. Al-Malki, 1Medicine-Nephrology, Hamad Medical Corporation, Doha, Qatar, 2Histocompatibility & Immunogenetics Laboratory, Hamad Medical Corporation, Doha, Qatar, 3Surgery-Transplant, Hamad Medical Corporation, Doha, Qatar, 4Histocompatibility & Immunogenetics Laboratory, Hamad Medical Corporation, Doha, Qatar

3:06 PM Non-Immunologic Donor-Recipient Pairing, HLA Matching, and Graft Loss in Deceased Donor Kidney Transplantation (Abstract #420)
A. Vinson, B. Kiberd, R. Davis, K. Tennankore, Dalhousie University, Halifax, NS, Canada, 2Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA

3:18 PM Multi-Organ Transplant Results in Lower Patient and Graft Survival Than Kidney Alone Transplant (Abstract #421)
C. A. Custer, J. Entwistle, K. Ladin, L. Cartwright, E. J. Gordon, 1United Network for Organ Sharing, Richmond, VA, 2Thomas Jefferson University, Washington, DC, 3Tufts University, Medford, MA, 4Northwestern University, Chicago, IL

3:30 PM Quantifying Donor Effects on Transplant Outcomes Using Kidney Pairs from Deceased Donors (Abstract #422)
K. F. Kerr, E. R. Morenz, H. Thiessen Philbrook, S. G. Coca, F. P. Wilson, P. P. Reese, C. R. Parikh, University of Washington, Seattle, WA, 2Johns Hopkins University, Baltimore, MD, 3Icahn School of Medicine at Mount Sinai, New York, NY, 4Yale University, New Haven, CT, 5University of Pennsylvania, Philadelphia, PA
3:42 PM Unos Analysis Of Deceased Donor Renal Transplant (ddrtx) Outcomes In Sensitized Patients After Implementation Of The Kidney Allocation System (kas) (Abstract #423)

Kidney: Acute Cellular Rejection
Ballroom C
Chairs: M. Mengel, University of Alberta, Edmonton, AB, Canada and B. Adam, Edmonton, AB, Canada

2:30 PM The Changing Face of T Cell-Mediated Rejection (Abstract #424)
A. Perkowska-Ptasinska and INTERCOMEX investigators\(^1\), P. F. Halloran\(^2\), \(^1\)Medical University of Warsaw, Warsaw, Poland, \(^2\)Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada

2:42 PM Response to Treatment in Kidney Recipients with Acute T Cell-Mediated Rejection: Major Impact of Inflammation in Sclerotic Cortical Parenchyma (i-IF/TA) and Donor-Specific Antibodies (Abstract #425)

2:54 PM IL-6R Blockade with Tocilizumab Increases Tregs and Decreases Early Graft Inflammation in Kidney Transplant Recipients: Results of a Randomized Controlled Trial (Abstract #426)

3:06 PM Predicted Indirectly Recognizable HLA Epitopes Are Associated with T-cell Mediated Rejection among Kidney Transplant Recipients with Preformed and De Novo Donor-Reactive T-cells (Abstract #427)
T. Schachtner\(^1\), M. Stein\(^2\), N. M. Otto\(^3\), P. M. Reinke\(^2\), \(^1\)Nephrology, University Hospital Zurich, Zurich, Switzerland, \(^2\)Berlin-Brandenburg Center for Regenerative Therapies, Charite University Medicine Berlin, Berlin, Germany, \(^3\)Berlin-Brandenburg Center for Regenerative Therapies, Charite University Medicine Berlin, Berlin, Germany

3:18 PM Urinary Injury Biomarkers in Deceased Donors and Acute Rejection Post Kidney Transplant (Abstract #428)
P. Reese\(^1\), I. Hall\(^2\), S. Mohan\(^3\), H. Theissen-Philibrook\(^4\), Y. Jia\(^5\), M. Doshi\(^5\), J. Bromberg\(^6\), S. Mansour\(^7\), M. Harhay\(^8\), F. Weng\(^9\), E. Akalin\(^10\), C. Parikh\(^11\), \(^1\)UPENN, Philadelphia, PA, \(^2\)Univ of Utah, Salt Lake City, UT, \(^3\)Columbia, NY, NY, \(^4\)Univ of Michigan, Ann Arbor, MI, \(^5\)Univ of Maryland, Baltimore, MD, \(^6\)Yale, New Haven, CT, \(^7\)Drexel, Philadelphia, PA, \(^8\)St. Barnabas, Philadelphia, PA, \(^9\)Montefiore, NY, NY

3:30 PM Unique Gene Expression Signatures in Urine Distinguish T Cell Mediated Acute Rejection from BK Virus Nephropathy in Kidney Transplant Patients (Abstract #429)
K. S. Keslar\(^1\), W. Xu\(^2\), A. A. Zmijewski\(^3\), K. A. Newell\(^4\), J. J. Friedewald\(^5\), M. I. Abecassis\(^6\), P. S. Heeger\(^6\), J. S. Bromberg\(^7\), R. B. Mannon\(^8\), R. L. Fairchild\(^1\), \(^1\)Cleveland Clinic, Cleveland, OH, \(^2\)Icahn School of Med., New York, NY, \(^3\)Emory Univ., Atlanta, GA, \(^4\)Northwestern Univ., Chicago, IL, \(^5\)Nanostring Technologies, Seattle, WA, \(^6\)Univ of Michigan, Ann Arbor, MI, \(^7\)Northwestern Univ., Chicago, IL, \(^8\)Univ Maryland, Baltimore, MD
3:42 PM  Impact of Early Borderline Histological Changes on Subsequent Events in Renal Transplant Recipients (Abstract #430)
R. Mehta, S. Tandukar, D. Jorgensen, I. Owoyemi, N. Shah, C. Puttarajappa, C. Wu, S. Hariharan, University of Pittsburgh Medical Center, Pittsburgh, PA

Liver Transplant Complications and Retransplantation II
Ballroom A
Chairs: S. Chinnakotla, University of Minnesota Medical School, Minneapolis, MN and T. Schiano, The Mount Sinai Medical Ctr, New York, NY

2:30 PM  Factors Associated with Cardiovascular Subclinical Target Organ Damage in Liver Transplant Recipients (Abstract #431)
C. Kuepper¹, N. Memaran¹, B. Borchert¹, A. von Wick¹, E. Bauer¹, E. Jäckel², S. Ziegert², B. M. Schmidt³, A. Melk¹, ¹Department of Pediatric Kidney, Liver, and Metabolic Diseases, Hannover Medical School, Hannover, Germany, ²Department of Gastroenterology and Hepatology, Hannover Medical School, Hannover, Germany, ³Department of Nephrology and Hypertension, Hannover Medical School, Hannover, Germany

2:42 PM  Global and Domain Specific Cognition in Liver Transplant Recipients (Abstract #432)
D. Ko¹, L. Bratzke², ¹School of Nursing, Vanderbilt University, Nashville, TN, ²School of Nursing, University of Wisconsin-Madison, Madison, WI

2:54 PM  Management of Anastomotic Biliary Strictures after Liver Transplant: Role of Covered Metal Stents (Abstract #433)
A. Watson¹, K. Haq¹, K. Khorfan², S. Singla¹, A. Yoshida¹, D. Moonka¹, ¹Gastroenterology and Hepatology, Henry Ford Hospital, Detroit, MI, ²Internal Medicine, Henry Ford Hospital, Detroit, MI, ³Transplant Institute, Henry Ford Hospital, Detroit, MI

3:06 PM  Post-Liver Transplant Atrial Fibrillation is Associated with Markedly Reduced Short- and Long-Term Patient Survival (Abstract #434)
R. Rachwan¹, I. Kutkut¹, T. J. Hathaway², L. R. Timsina³, M. S. Ghabril³, M. A. Lacerda³, C. A. Kubal³, P. D. Bourdillon⁴, R. S. Mangus⁵, ¹Medicine, Indiana University School of Medicine, Indianapolis, IN, ²Surgery, Indiana University School of Medicine, Indianapolis, IN, ³Gastroenterology/Hepatology, Indiana University School of Medicine, Indianapolis, IN, ⁴Cardiology, Indiana University School of Medicine, Indianapolis, IN

3:18 PM  Presence of DSA Class 2 is Associated with Fibrosis Progression after OLT (Abstract #435)
M. Sterneck¹, B. Sultani², M. Rodriguez Lago³, E. Grabhorn⁴, A. Briem-Richter⁴, U. Herden⁵, L. Fischer⁵, ¹University Medical Center Hamburg Eppendorf, Hamburg, Germany, ²University Transplant Center, University Medical Center Hamburg Eppendorf, Hamburg, Germany, ³Department of Medicine, University Medical Center Hamburg Eppendorf, Hamburg, Germany, ⁴Department of Paediatric Medicine, University Medical Center Hamburg Eppendorf, Hamburg, Germany, ⁵Department of Visceral Transplantation, University Medical Center Hamburg Eppendorf, Hamburg, Germany

3:30 PM  MELD Score and Anti-Angiotensin Receptor Antibody Predict Long-Term Survival of Liver Re-Transplant (Abstract #436)
Q. Xu¹, A. Skaro², V. C. McAlister², ¹Pathology and Lab Medicine, London Health Science Center, London, ON, Canada, ²Surgery, London Health Science Center, London, ON, Canada
3:42 PM Impact of Coronary Artery Disease on Long-Term Mortality after Liver Transplantation (Abstract #437)
S. S. Patel¹, V. A. Rodriguez², M. Siddiqui¹, J. Laurenzano², F. Lin³, J. Clinton³, M. Faridnia¹, A. Chandrakumaran¹, T. Reichman⁵, C. Bhati⁵, M. S. Siddiqui¹,¹¹
¹Division of Gastroenterology, Hepatology and Nutrition, Department of Internal Medicine, Virginia Commonwealth University, Richmond, VA, ²Department of Bio-statistics, Virginia Commonwealth University, Richmond, VA, ³Virginia Commonwealth University, Richmond, VA, ⁴Department of Internal Medicine, Virginia Commonwealth University, Richmond, VA, ⁵Department of Transplant Surgery, Virginia Commonwealth University, Richmond, VA

Kidney Psychosocial II: Substances and Access & Barriers

Room: 302
Chairs: C. Nonterah, University of Richmond, Richmond, VA and R. Patzer, Atlanta, GA

2:54 PM Kidney Transplantation in the Lower-Income Bracket of South Korea; Widening Gap in Accessibility and Inferior Graft Outcome (Abstract #440)
G. Park¹, S. Park¹, J. Kim¹, M. Yu¹, Y. Kim¹, K. Kim¹, M. Park², Y. Kim¹, H. Lee¹,¹¹
¹Seoul National University Hospital, Seoul, Korea, Republic of, ²Severance Hospital, Seoul, Korea, Republic of

3:06 PM Higher Level of Social Support is Associated with Higher Likelihood of Pursuit of Living Donor Kidney Transplant (LDKT) (Abstract #441)
T. Ahmed¹, S. Dano¹, Z. Zhou¹, I. Unarain¹, M. Saqib¹, V. Li¹, Y. Khoo¹, M. Novak¹, I. Mucsi¹,¹¹
¹Multi-Organ Transplant Program and Division of Nephrology, University Health Network, Toronto, ON, Canada, ²Centre for Mental Health, University Health Network, Toronto, ON, Canada

3:18 PM The Risk of Systematic Error in Kidney Transplant Opioid Research (Abstract #442)
J. N. Fleming, N. A. Pilch, S. Ball, P. K. Baliga, V. Rohan, D. J. Taber, Medical University of South Carolina, Charleston, SC

3:30 PM Access To The Kidney Transplant Waitlist For Patients With Hiv And End-stage Renal Disease (Abstract #443)
A. A. Shaffer¹, H. Ying², N. Chu¹, A. G. Thomas³, C. Haugen², S. Norman⁴, D. L. Segev¹, M. A. McAdams-DeMarco¹,¹¹
¹Surgery & Epidemiology, Johns Hopkins University, Baltimore, MD, ²Surgery, Johns Hopkins University, Baltimore, MD, ³Epidemiology, University of North Carolina, Chapel Hill, NC, ⁴Surgery, University of Michigan, Ann Arbor, MI
3:42 PM  Earlier Transplant Education as CKD Progresses? CKD 3-5 Patients and Providers Weigh In (Abstract #444)
A. D. Waterman¹, O. N. Ranasinghe², A. F. Lipsey³, C. S. Anderson¹, A. Alem³, C. Bozzolo³, B. Dub³, S. L. Henry³, B. Mittman³, ¹Division of Nephrology, UCLA School of Medicine, Los Angeles, CA, ²Terasaki Research Institute, Los Angeles, CA, ³Department of Research and Evaluation, Kaiser Permanente Southern California, Pasadena, CA, ¹Insight Policy Research, Arlington, VA

Kidney Living Donor: Long Term Outcomes
Room: 304
Chairs: G. Danovitch, David Geffen School of Medicine @ UCLA, Los Angeles, CA

2:30 PM  Maternal and Pregnancy Outcomes after Living Donor Nephrectomy in a Multistate Cohort (Abstract #445)
G. S. Lee¹, R. X. Wang², D. O. Walls³, P. P. Reese¹, D. S. Goldberg¹, P. L. Abt¹, ¹Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA, ²Sidney Kimmel Medical College, Philadelphia, PA, ³Surgery, Rutgers Robert Wood Johnson, New Brunswick, NJ, ⁴Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA

2:42 PM  Center-Level Variation in HLA-Incompatible Living Donor Kidney Transplantation Outcomes (Abstract #446)
K. Jackson¹, J. Long¹, K. Covarrubias¹, J. Motter¹, M. Bowring¹, J. Chen¹, M. Waldram¹, B. Orandi², N. Desai¹, A. Massie¹, D. Segev¹, J. Garonzik-Wang³, ¹Johns Hopkins University, Baltimore, MD, ²University of Alabama School of Medicine, Birmingham, AL

2:54 PM  Living Kidney Donors Who Lose Weight in Order to Be Able to Donate, Gain More Weight after Donation (Abstract #447)
S. R. Punjala, L. Silas, R. Gokmen, N. Karydis, Department of Nephrology, Renal Transplant and Urology, Guy’s and St. Thomas’ NHS Foundation Trust, London, United Kingdom

3:06 PM  Racial Variation in ESRD Diagnosis Patterns among Prior Living Kidney Donors on the OPTN Kidney Waiting List (Abstract #448)
J. Wainright¹, A. Robinson⁴, A. Wilk¹, D. Klassen², W. Cherikh³, C. Custer³, R. Brown³, D. Stewart³, ¹Research, UNOS, Richmond, VA, ²Office of the Chief Medical Officer, UNOS, Richmond, VA, ³Organ Center, UNOS, Richmond, VA

3:18 PM  Sub-Optimal Renal Recovery and Progressive Chronic Kidney Disease after Living Kidney Donation (Abstract #449)
Y. Kim¹, C. Jeong³, H. Kim³, J. Ha³, C. Ahn¹, Y. Kim¹, H. Lee¹, ¹Department of Internal Medicine, Seoul National University Hospital, Seoul, Korea, Republic of, ²Department of Urology, Seoul National University Hospital, Seoul, Korea, Republic of, ³Department of Surgery, Seoul National University Hospital, Seoul, Korea, Republic of

3:30 PM  Changes in Kidney Function Following Live Donor Nephrectomy (Abstract #450)
N. N. Lam¹, A. Lloyd¹, K. L. Lentine³, R. R. Quinn³, B. R. Hemmelgarn⁵, S. Klarenbach¹, A. X. Garg⁴, ¹University of Alberta, Edmonton, AB, Canada, ²Saint Louis University, St. Louis, LA, ³University of Calgary, Calgary, AB, Canada, ⁴Western University, London, ON, Canada
3:42 PM Chronic Changes on Time Zero Living Donor Allograft Biopsy Do Not Portend Future Kidney Function (Abstract #451)
A. Agarwal1, A. Sites2, K. L. Brayman1, A. Doyle3, J. Oberholzer1, A. Nishio-Lucar1, 1Surgery, University of Virginia, Charlottesville, VA, 2Transplant, University of Virginia, Charlottesville, VA, 3Medicine, University of Virginia, Charlottesville, VA

2:54 PM Difficult Outflow Reconstruction Using Eptfe Vascular Grafts In Ldlt: Technical Innovations And Outcomes. (Abstract #454)
A. Thorat1, L. Jeng2, P. Li2, S. Hsu2, H. Yang3, C. Yeh2, T. Chen3, K. Poon2, 1China Medical University Hospital, Taichung, Taiwan, 2Organ Transplantation Center, China Medical University Hospital, Taichung, Taiwan

Liver: Living Donors and Partial Grafts

Room: 312
Chairs: K. Conzen, University of Colorado, Aurora, CO and M. Cattral, Toronto General Hospital, University of Toronto, Toronto, ON, Canada

2:30 PM 5,000 Living Donor Liver Transplantations (Abstract #452)
G. Song, S. Lee, S. Kwang, K. Kim, C. Ahn, D. Moon, T. Ha, D. Jung, G. Park, Y. Yoon, J. Kwon, H. Cho, Y. Jung, S. Kang, I. Jeong, J. Choi, Division of LT and HBB Surgery, Department of Surgery, Asan Medical Center, Ulsan University College of Medicine, Seoul, Korea, Republic of

2:42 PM Pure Laparoscopic Donor Hepatectomy Based On Korean Multicenter Experience (Abstract #453)
K. Suh1, S. Hong1, G. Choi2, K. Lee1, C. D. Kwon2, K. Kim3, S. Lee4, Y. Han5, J. Cho6, H. Han7, 1Surgery, Seoul National University College of Medicine, Seoul, Korea, Republic of, 2Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, Republic of, 3Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of, 4Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of, 5Surgery, Daegu Catholic University School of Medicine, Daegu, Korea, Republic of, 6Surgery, Seoul National University Bundang Hospital, Seongnam, Korea, Republic of, 7Surgery, Seoul National University Bundang Hospital, Seongnam, Korea, Republic of

3:06 PM Donor Safety for Minimal Invasive Hepatectoy in Liver Transplantation: The Korean Organ Transplantation Registry (Abstract #455)
H. Yu, J. Yang, S. Ahn, Chonbuk National University Hospital, Jeonju, Korea, Republic of

3:18 PM A Novel Program of Directed Domino and Split Liver Donations Increases Liver Transplants (Abstract #456)
T. Fishbein, C. Matsumoto, N. Yazigi, R. Satoskar, S. Kaufman, K. Khan, K. Alexander, J. Hawksworth, M. Summer, Medstar Georgetown Transplant Institute, Georgetown University Hospital, Washington, DC

3:30 PM Primary Indications and Waitlist Status for Pediatric Living Donor Liver Transplants (Abstract #457)
K. Goli1, K. Hosek2, A. Rana3, J. Goss4, T. Miloh5, 1Rice University, Houston, TX, 2Texas Children’s Hospital, Houston, TX, 3Abdominal Transplant, Baylor College of Medicine/Texas Children’s Hospital, Houston, TX

3:42 PM Adult Living Donor vs. Deceased Donor Liver Transplant (LDLT vs. DDLT) at a Single US Center- Time to Change Our Paradigm for Liver Transplant (Abstract #458)
A. Humar, D. Jorgensen, S. Ganesh, A. Tevar, M. Molinari, C. Hughes, Thomas E Starzl Transplant Inst, Pittsburgh, PA
Novel Insights in Kidney Infections

Room: 311
Chairs: N. Theodoropoulos, University of Massachusetts Medical School, Worcester, MA and G. Haidar, University of Pittsburgh Medical Center, Pittsburgh, PA

2:30 PM Quantifying Differential Infection Risks in HLA- and/or ABO- Incompatible Kidney Transplant Recipients (Abstract #459)
R. Avery1, R. Montgomery2, J. Motter1, A. Massie1, E. Kraus1, K. Marr1, B. Lonze2, N. Alachkar1, K. Jackson1, M. Holechek1, D. Ostrander1, N. Desai1, M. Waldram1, S. Shoham1, S. Mehta1, J. Hiller1, J. Langlee1, S. Young1, D. Segev1, J. Garonzik Wang1, 1Johns Hopkins, Baltimore, MD, 2New York University, New York, NY

2:42 PM Evolution of HHV6- and CMV-Specific T Cell Functional Responses and Immune Cell Populations after Kidney Transplant (Abstract #460)
A. Gil1, M. Co2, M. Calvo-Calle1, J. Cruz1, L. Stern1, L. Gibson2, 1Pathology, University of Massachusetts Medical School, Worcester, MA, 2Medicine, University of Massachusetts Medical School, Worcester, MA

2:54 PM Nationwide Survey of Human T Cell Leukemia Virus Type 1-Infected Kidney Transplant Recipients in Japan (Abstract #461)
J. Yamauchi1, Y. Yamano1, M. Matsuoka2, N. Ichimaru3, M. Nishikido4, Y. Shibagaki5, A. Sugitani6, N. Nakamura7, M. Mieno8, K. Yuzawa9, 1Department of Rare Diseases Research, Institute of Medical Science, St. Marianna University School of Medicine, Kawasaki, Japan, 2Institute for Virus Research, Kyoto University, Kyoto, Japan, 3Advanced Technology for Transplantation, Osaka University, Osaka, Japan, 4Blood Purification Center, Nagasaki University, Nagasaki, Japan, 5Department of Nephrology and Hypertension, St. Marianna University School of Medicine, Kawasaki, Japan, 6NHO Yonago Medical Center, Yonago, Japan, 7Fukuoka University, Fukuoka, Japan, 8Center for Information, Jichi Medical University, Shimotsuke, Japan, 9Department of Transplantation Surgery, National Hospital Organization Mito Medical Center, Ibaraki, Japan

3:06 PM Vaccine Response as a Predictor of Kidney Transplant Rejection and Serious Infection (Abstract #462)
A. Ta’eed, K. R. Polkinghorne, W. R. Mulley, Department of Nephrology, Monash Health, Clayton, Australia

3:18 PM Risk Factors for 1-5 Year Major Infection Events (MIE) after Kidney Transplant (KTx) Including First-Year Immunosuppression (IS) Data: An Analysis of the Choosing Immune Suppression in Renal Transplantation by Efficacy and Morbidity (CISTEM) Study (Abstract #463)
V. Dhamidharka1, D. Axelrod2, Z. Zhang3, M. Schnitzler3, K. Lentine3, B. Kasiske4, 1Washington Univ, St. Louis, MO, 2Univ of Iowa, Iowa City, IA, 3Saint Louis Univ, St. Louis, MO, 4SRTR, Minneapolis, MN
3:30 PM  The Impact of Antibiotic Therapy on Clinical Outcomes in Kidney Transplant Recipients with Asymptomatic Bacteriuria (Abstract #464)
J. Gabriel¹, S. Shaikh², J. Park¹, S. Tischer¹, D. Kaul¹, T. Patel¹, ¹Michigan Medicine, Ann Arbor, MI, ²MedStar Georgetown University Hospital, Washington, DC

3:42 PM  Infectious Complications in Tocilizumab-Treated Kidney Transplant Recipients (Abstract #465)
S. Sethi, A. Peng, R. Najjar, A. Vo, S. Jordan, E. Huang, Cedars Sinai Medical Center, Los Angeles, CA

Biomarkers, Immune Monitoring and Outcomes IV
Room: 306

2:30 PM  Predicting Transplant Rejection by a Composite Urinary Injury Score (Abstract #466)
J. Y. Yang, R. Sarwal, T. K. Sigdel, M. M. Sarwal, ¹Department of Surgery, UCSF, San Francisco, CA

2:42 PM  A Novel Genomic Approach for Acute Rejection across All Age Groups in Kidney Transplantation (Abstract #467)

2:54 PM  Differences in CMV-Specific CD4 T Cell Population in De Novo Kidney Transplant Recipients Treated with Everolimus-Based Regimen Compared to a Standard Tacrolimus-MPA Regimen: Results from ATHENA (Abstract #468)
I. A. Hauser¹, S. Marx¹, C. Sommerer¹, B. Suwelack¹, D. Dragun¹, O. Witzke¹, F. Lehner¹, I. Kroeger², M. Junge², F. Thaiss¹, B. Nashan¹, M. Sester¹, ¹ATHENA, CMV Substudy Group, Germany, ²Novartis, Pharma GmbH, Germany

3:06 PM  Identification Of Pre-transplant Biomarkers Of Recipient Immune Dysfunction That Predict Recipient Risk Of Death Following Liver Transplant: The Immune Frailty Index (Abstract #469)
K. E. Lunsford¹, N. Aware¹, K. Cleveland¹, C. J. Manner¹, D. T. Nguyen², E. A. Graviss³, J. V. Thomas¹, H. Vyas¹, L. W. Moore¹, S. A. Dorman¹, A. Saharia³, C. M. Mobley¹, M. J. Hobika¹, X. C. Li¹, R. M. Gobrial¹, ¹Sherrie and Alan Conover Center for Liver Disease and Transplantation, Houston Methodist Hospital, Houston, TX, ²Department of Pathology and Genomic Medicine, Houston Methodist Hospital, Houston, TX

3:18 PM  Correlation of Donor-Derived Cell-Free DNA with Histology and Molecular Diagnoses of Kidney Transplant Biopsies (Abstract #470)
I. Moinuddin¹, D. Kumar¹, P. Halloran², L. Kamal¹, A. King¹, P. Kimball¹, M. Levy¹, C. Bhati¹, D. Massey¹, G. Gupta¹, ¹VCU Medical Center, Richmond, VA, ²Alberta Transplant Genomics Applied Centre, Edmonton, AB, Canada
3:30 PM Integrated Analysis of Messenger RNA and Micro RNA Profiles in Fatty Liver Donors: Molecular Networks during Ischemia Reperfusion Injury (Abstract #471)
D. Maluf¹, A. Bajwa², S. K. Satapathy², V. Sai Bontha¹, A. Kadimella¹, J. Eason³, V. Mas⁴, ¹UTHSC, Memphis, TN, ²UTHSC, memphis, TN, ³Director of Transplant Institute - UTHSC, Memphis, TN, ⁴Director of Transplant Research Institute, Memphis, TN

2:54 PM Incorporating Tangible Benefits into the Risk-Benefit Analysis of Living Organ Donation Decisions (Abstract #475)
M. Robin¹, S. Rasmussen², A. Saha³, A. Eno⁴, M. Waldram⁵, D. Segev⁶, M. Henderson⁷, ¹University of Maryland, Baltimore, MD, ²Johns Hopkins University, Baltimore, MD

3:06 PM The Increasing Financial Challenge of Liver Transplantation (Abstract #476)
D. Axelrod¹, S. Hohmann², K. Lentine³, H. Xiao³, B. Kasiske⁴, J. Snyder⁴, M. Ostrander⁵, M. Schnitzler⁶, ¹Univ of Iowa, Iowa City, IA, ²Vizient Inc, Chicago, IL, ³Saint Louis Univ, St. Louis, MO, ⁴SRTR, Minneapolis, MN, ⁵Visient, Inc., Minneapolis, IA

3:18 PM The Clinical & Economic Impact Of Allosensitization In Liver Alone And Simultaneous Liver Kidney Transplantation (Abstract #477)
M. Askar¹, G. Saracino¹, A. Elsabbagh², J. Fung³, T. Srinivas⁴, S. Flechner⁵, J. Trotter¹, G. Testa¹, B. Kaplan⁶, G. Klintmalm¹, J. Schold⁷, S. Asrani¹, ¹Transplant Center, Baylor Scott & White, Dallas, TX, ²St. Vincent Health, Indianapolis, IN, ³University of Chicago Medicine, Chigao, IL, ⁴Intermountain Healthcare, Salt Lake City, UT, ⁵Cleveland Clinic, Cleveland, OH, ⁶Transplant Center, Baylor Scott & White, Temple, TX

3:30 PM The Impact of Transplant Hospital Organ Procurement on Medicare Cost Report Reimbursement (Abstract #478)
E. Y. Zavala¹, J. Rogers², ¹Transplant Center, Vanderbilt University Medical Center, Nashville, TN, ²Transplant Management Group, San Diego, CA
3:42 PM  Patient Perspectives of Informed Consent for Deceased Donor Organ Intervention Research (Abstract #479)
E. Gordon¹, B. Knopf¹, A. Musseli², C. Phillips², R. Veatch³, P. Abt³, P. Reese³,
¹Northwestern University, Chicago, IL, ²University of Pennsylvania, Philadelphia, PA, ³Georgetown University, Washington DC, DC

Innate Immunity; Chemokines, Cytokines, Complement

Room: 310
Chairs: A. Kroemer, Georgetown University Hospital, Washington DC and X. Luo, Duke University School of Medicine, Durham, NC

2:30 PM  Laminin α5 Deficiency in Lymph Node Stromal Cells Promotes Treg Migration and Allograft Survival (Abstract #480)

2:42 PM  Regulating T Cell Responses by Forced Transgenic Expression of Decay-Accelerating Factor (Abstract #481)
D. Heja¹, Z. He¹, S. A. Lira¹, F. Lin², D. Homann¹, P. S. Heeger¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Cleveland Clinic, Cleveland, OH

2:54 PM  Absence of Protective Innate Lymphoid Cell Type 3 (ILC3) and Persistence of Proinflammatory Innate Lymphoid Cell Subsets Immediately Post-Transplant Plays a Appreciable Role in Early Intestinal Barrier Dysfunction (Abstract #482)
J. Kang, L. Belyayev, K. Loh, P. Cha, S. Moturi, K. Khan, J. Hawkworth, C. Matsumoto, M. Zasloff, T. Fishbein, A. Kroemer, Georgetown University, Washington, DC

3:06 PM  Local IL-33 Regulates Heart Transplant Infiltrating Myeloid Cells Metabolism and Differentiation to Protect against Chronic Rejection (Abstract #483)
Z. Zhang¹, Q. Liu¹, T. Li¹, G. S. Hussay², M. Velayutham¹, J. L. Dzikı³, L. R. Mathews¹, Y. C. Lee², G. K. Dwyer¹, H. Dai¹, A. S. Roessing¹, S. Shiva¹, M. H. Oberbaumscheidt¹, S. F. Badylak², H. R. Turnquist¹, ¹Department of Surgery, Thomas E. Starzl Transplantation Institute, Pittsburgh, PA, ²Department of Bioengineering, McGowan Institute for Regenerative Medicine, Pittsburgh, PA, ³Department of Pharmacology and Chemical Biology, Vascular Medicine Institute, Pittsburgh, PA

3:18 PM  Complement Blockade in Kidney Recipients Prevents Delayed Graft Function and Antibody-Mediated Rejection in Non-Human Primates (Abstract #484)
M. Eerhart¹, J. Reyes¹, C. Blanton¹, J. Danobeitia¹, P. Chlebeck¹, L. Zitur¹, J. Coonen¹, S. Capuano¹, A. D’Alessandro¹, J. Torrealba², W. Zhong³, Y. Yankol¹, L. Fernandez³, ¹University of Wisconsin, Madison, WI, ²UT Southwestern, Dallas, TX

3:30 PM  A Potential Role for IgE-Mediated Immune Response in the Pathogenesis of Chronic Antibody-Mediated Rejection (Abstract #485)
F. Rascio¹, P. Pontrelli², G. S. Netti³, E. Manno¹, B. Infante¹, S. Simone², G. Castelliano², M. Seveso², E. Cozzi³, L. Gesualdo³, G. Stallone¹, G. Grandaliano¹, ¹Department of Medical and Surgical Sciences, Nephrology Dialysis and Transplantation Unit, University of Foggia, Foggia, Italy, ²Department of Emergency, and Organ Transplantation, Nephrology, Dialysis and Transplantation Unit, University of Bari, Bari, Italy, ³Dept. of Medical and Surgical Sciences, Clinical Pathology Unit, University of Foggia, Foggia, Italy, ¹Department of Cardiac, Thoracic and Vascular Sciences, Transplant Immunology Unit, University of Padua, Padova, Italy
3:42 PM  SIRPα Typing as a Potential Tool for Risk Stratification in Kidney Transplantation (Abstract #486)
A. Casillas-Abundis, A. Tambur, D. F. Pinelli, R. Hod-Dvorai, C. Garcia-Sanchez, Transplant Immunology Laboratory, Northwestern University, Chicago, IL

3:06 PM  Platelets Augment Granzyme K Production By Macrophages In Antibody-mediated Rejection (Abstract #490)
J. Dhar, K. Keslar, R. Fan, N. Dvorina, W. Baldwin, Cleveland Clinic Main Campus, Lerner Research Institute, Cleveland, OH

3:18 PM  Tissue Resident Memory T Cells in Murine Renal Transplantation (Abstract #491)
K. Abou-Daya, D. Zhao, R. Tieu, A. Williams, M. Oberbarnscheidt, F. Lakkis, Starzl Transplantation Institute, Pittsburgh, PA

3:30 PM  p40 Homodimer Indirectly Induce Proliferation of Endogenous Donor-Reactive Memory CD8 T Cells within High-Risk Allografts via IL-15 Signaling (Abstract #492)
H. Tsuda, A. Valujskikh, R. Fairchild, Inflammation and Immunity, Cleveland Clinic, Cleveland, OH

2:30 PM  Urinary Cell mRNA Sequencing Profiles of Kidney Allograft Recipients Mirror Intragraft Events and Demonstrate Enrichment for Immune Cells (Abstract #487)
M. Lubetzky\(^1\), A. Verma\(^2\), H. Yang\(^1\), T. Muthukumar\(^1\), S. Salvatore\(^1\), J. Lee\(^1\), D. Dadhania\(^1\), S. Seshan\(^1\), F. Mueller\(^1\), O. Elemento\(^2\), M. Suthanthiran\(^1\), \(^1\)Division of Nephrology, Weill Cornell, New York, NY, \(^2\)Institute for Computational Biomedicine, Weill Cornell, New York, NY

2:42 PM  Extracellular Vesicles (EV) Mediate Antibody-Independent Tubular Senescence via Cyclin-Dependent Kinase Inhibitors p21/p16 in Antibody-Mediated Rejection (AMR) (Abstract #488)
C. Divella\(^1\), A. Stasi\(^1\), R. Franzin\(^1\), F. Sallustio\(^2\), C. Curci\(^1\), G. Merlotti\(^2\), M. Quaglia\(^2\), L. Gesualdo\(^2\), V. Cantaluppi\(^1\), G. Castellano\(^1\), \(^1\)Emergency and Organ Transplantation, University of Bari, Bari, Italy, \(^2\)Emergency and Organ Transplantation / Basic Medical Sciences, Neuroscience and Sense Organs, University of Bari, Bari, Italy, \(^3\)Department of Translational Medicine, University of Piemonte Orientale, Novara, Italy

2:54 PM  Plasmacytoid Dendritic Cell-Mediated Graft Prolongation Requires microRNA-181 and Semaphorin 4a (Abstract #489)
J. Harden, X. Qi, A. Lau, S. Krams, Stanford Univ School of Med, Stanford, CA

Liver: Pediatrics

2:30 PM  Use of Marginal Liver Donors in Pediatric Transplantation: Diverse Profiles of Use in Major Transplant Centers (Abstract #494)
C. S. Hwang\(^1\), M. Uehara\(^1\), V. Kasinath\(^1\), F. Bei\(^2\), R. Abdi\(^1\), \(^1\)Renal, Brigham and Women’s Hospital, Boston, MA, \(^2\)Neurosurgery, Brigham and Women’s Hospital, Boston, MA
2:42 PM | Disparities in Pediatric Liver Transplant Waitlist Access (Abstract #495)  
S. C. Kim¹, K. Ross¹, E. Hsu², R. Patzer¹, R. J. Lynch¹, ¹Emory University, Atlanta, GA, ²University of Washington, Seattle, WA

3:30 PM | Renal Recovery and Prognostic Factors in Children Following Liver Transplantation (Abstract #499)  
R. Büscher, N. Gantenberg, A. Büscher, E. Lainka, P. Hoyer, Department of Pediatrics II, University Hospital Essen, Essen, Germany

2:54 PM | No Gains In Long-term Survival Of Pediatric Patients After Liver Transplantation - A Three Decade Analysis (Abstract #496)  
S. Bakhtiyar, A. Rana, S. Ahmed, H. Naseem, M. Kueht, N. T. Galvan, R. T. Cotton, C. A. O’Mahony, J. A. Goss, Baylor College of Medicine, Houston, TX

3:42 PM | Clinical Implications of Serum Mac-2 Binding Protein in Regular Follow Up after Pediatric Living Donor Liver Transplantation (Abstract #500)  
T. Ueno¹, T. Kodama¹, Y. Noguchi¹, M. Nomura¹, R. Saka¹, Y. Takama¹, Y. Tazuke¹, K. Bessho², H. Okuyama¹, ¹Pediatric Surgery, Osaka University Graduate School of Medicine, Suita, Japan, ²Pediatrics, Osaka University Graduate School of Medicine, Suita, Japan

3:06 PM | Factors Associated with Subclinical Cardiovascular Damage after Pediatric Liver Transplantation: A Longitudinal Observational Study (Abstract #497)  
N. Memaran¹, I. Goldschmidt¹, B. Borchert¹, R. I. Sugianto¹, H. Wilke¹, R. Blöte¹, U. Baumann¹, E. Bauer¹, A. von Wick¹, N. Junge¹, C. Leiskau¹, E. D. Pfister¹, N. Richter², B. M. Schmidt³, A. Melk¹, ¹Department of Pediatric Kidney, Liver, and Metabolic Diseases, Hannover Medical School, Hannover, Germany, ²Department of General, Visceral and Transplantation Surgery, Hannover Medical School, Hannover, Germany, ³Department of Nephrology and Hypertension, Hannover Medical School, Hannover, Germany

2:30 PM Using Transplant Referral Regions to Measure Access to Kidney Transplant (Abstract #501)  
K. Ross¹, D. Axelrod², R. Patzer¹, ¹Emory University, Emory Transplant Center, Atlanta, GA, ²Dept of Surgery, University of Iowa, Iowa City, IA

3:18 PM | Assessment of the Global Practice of Pediatric Living Donor Liver Transplantation: Comparison of U.S. and International Programs (Abstract #498)  
J. Emamamulle³, M. Kim¹, C. Conrad¹, C. Lane¹, P. Singh¹, C. Niemann², L. Sher¹, Y. Genyk¹, ¹University of Southern California, Los Angeles, CA, ²University of California-San Francisco, San Francisco, CA

2:42 PM | Center-Level Probability of Kidney Transplant Varies Considerably for Waitlisted Patients (Abstract #502)  
K. L. King¹, S. A. Husain¹, P. Reese², J. Schold³, S. Pastan³, S. Mohan¹, ¹Columbia University, New York, NY, ²University of Pennsylvania, Philadelphia, PA, ³Cleveland Clinic, Cleveland, OH, ⁴Emory University, Atlanta, GA
2:54 PM A Randomized, Controlled, Trial of Interventions to Promote Walking after Abdominal Organ Transplantation: The LIFT Study (Abstract #503)
M. Serper1, I. Barankay2, S. Chadha1, J. Shults3, P. Reese1, 1University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, 2Wharton School, University of Pennsylvania, Philadelphia, PA, 3Department of Biostatistics and Epidemiology, University of Pennsylvania, Philadelphia, PA

2:06 PM Trends and Geographic Variation in the Recovery of Organs from Drug-Overdose Deaths with Donor Potential (Abstract #504)
V. Garcia, D. Stewart, J. Rosendale, Research, UNOS, Richmond, VA

3:18 PM Reduction In Early Readmission In Kidney Recipients - Outcomes At One Year With Standardized Intensive Follow Up (Abstract #505)
A. Crane, M. Eltemamy, R. Fatica, E. Poggio, C. Modlin, A. Wee, V. Krishnamurthi, Glickman Urological and Kidney Institute CCF, Cleveland, OH

3:30 PM Variation in Racial Disparities in Liver Transplant Outcomes by Hospital Quality (Abstract #506)
K. Ross, R. Patzer, R. Lynch, Emory University, Emory Transplant Center, Atlanta, GA

3:42 PM Multicenter Cohort Study of Frailty and Access to Kidney Transplantation (Abstract #507)
C. Haugen1, N. Chu1, H. Ying1, N. Desai1, S. Norman2, J. Garonzik-Wang1, A. Bingaman3, D. Segev1, M. McAdams-DeMarco1, 1JHU, Baltimore, MD, 2Michigan, Ann Arbor, MI, 3Methodist, San Antonio, TX
2:54 PM  Compatible Pairs in Paired Kidney Exchange - Are There Winners and Losers? (Abstract #510)
V. Chipman¹, B. Lee¹, M. Cooper², M. C. Cuffy³, M. Ronin⁴, G. Hil⁵, S. Flechner⁶, A. Thomas⁷, D. A. Mandelbrot⁸, A. D. Waterman⁹, C. E. Freise¹, G. R. Roll¹,
¹UCSF, San Francisco, CA, ²Georgetown Univ, Washington, DC, ³UC Hospital, Cincinnati, OH, ⁴NKR, Babylon, NY, ⁵Cleveland Clinic, Cleveland, OH, ⁶Johns Hopkins, Baltimore, MD, ⁷Univ of Wisconsin, Madison, WI, ⁸UCLA and Terasaki Research Institute, Los Angeles, CA

3:06 PM  Are We Underestimating The Number Of Paired Kidney Exchange Transplants In The United States? Relationship Insights From The National Kidney Registry (Abstract #511)
A. Thomas¹, A. Shaffer², D. Segev²,
¹Epidemiology, UNC Chapel Hill, Chapel Hill, NC, ²Johns Hopkins University, Baltimore, MD

3:18 PM  Transplant Nephrologist (Abstract #512)
K. A. AlMeshari¹, D. Broering², I. Alahmadi³, S. Raza³, T. Ali³, F. Alzayer³, A. Algharabili³, ¹King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia, ²Organ Transplant Center, King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia, ³Kidney & Pancreas Transplantation Department, King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia, ⁴Department of Pathology & Laboratory Medicine, King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia

3:30 PM  Kidney Paired Donation Transplant Outcomes: Experiences from the First Ten Years of the National Kidney Registry (Abstract #513)
D. B. Leeser¹, A. G. Thomas², A. A. Shaffer³, J. Veale³, A. B. Massie³, M. Cooper³, S. Kapur³, S. Kapur³, S. Kapur³, N. Turgeon³, D. Segev², A. Waterman³, S. Flechner⁴, ¹East Carolina Univ Sch of Med, Greenville, NC, ²Johns Hopkins, Baltimore, MD, ³UCLA, Los Angeles, CA, ⁴Georgetown, Washington, DC, ⁵Weill Cornell Medical School, New York, NY, ⁶Emory, Atlanta, GA, ⁷Cleveland Clinic, Cleveland, OH

3:42 PM  Social Loafing: Distribution of Kidneys with Multiple Renal Arteries in a National Paired Kidney Exchange Program (Abstract #514)
G. R. Roll¹, W. Irish², M. Cooper³, M. Ronin⁴, G. Hil⁵, A. D. Waterman⁶, D. B. Leeser², ¹UCSF, San Francisco, CA, ²ECU, Greenville, NC, ³Johns Hopkins, Baltimore, MD, ⁴Georgetown, Washington, DC, ⁵Weill Cornell Medical School, New York, NY, ⁶Emory, Atlanta, GA, ⁷Cleveland Clinic, Cleveland, OH

Small Bowel
Room: 209
Chairs: C. Matsumoto, Georgetown Transplant Institute, Washington, DC and J. Moon, Mount Sinai Medical Center, New York, NY

2:30 PM  Successful Weaning Of Parenteral Nutrition After Serial Transverse Enteroplasty: The Largest Series Of Adult Short Gut Syndrome Patients (Abstract #515)
M. Fujiki, S. Armanyous, K. Abu-Elmagd, Cleveland Clinic Foundation, Cleveland, OH
2:42 PM  The Role of the T Regulatory Cell Compartment in Intestinal Transplant Patients: Helpful or Unhinged?  
(Abstract #516)  

2:54 PM  An International Multicentre Validation Study of the Toronto Listing Criteria for Pediatric Intestinal Transplant (Abstract #517)  
A. J. Roberts1, P. W. Wales2, S. V. Beath3, H. M. Evans1, J. Hind4, T. Wong4, D. Mercer4, J. Yap5, C. Belza6, D. Grant6, Y. Avitzur10, 1Department of Paediatric Gastroenterology, Starship Child Health - Auckland District Health Board, Auckland, New Zealand, 2Division of General & Thoracic Surgery, Hospital for Sick Children, University of Toronto., 3Department of Surgery, Walter Reed National Military Medical Center, Bethesda, MD, 4Transplant, MedStar Georgetown Transplant Institute, Washington D.C., DC, 5Pediatrics, Children’s National Medical Center, Washington D.C., DC

2:54 PM  An International Multicentre Validation Study of the Toronto Listing Criteria for Pediatric Intestinal Transplant (Abstract #517)  
A. J. Roberts1, P. W. Wales2, S. V. Beath3, H. M. Evans1, J. Hind4, T. Wong4, D. Mercer4, J. Yap5, C. Belza6, D. Grant6, Y. Avitzur10, 1Department of Paediatric Gastroenterology, Starship Child Health - Auckland District Health Board, Auckland, New Zealand, 2Division of General & Thoracic Surgery, Hospital for Sick Children, University of Toronto., 3Department of Surgery, Walter Reed National Military Medical Center, Bethesda, MD, 4Transplant, MedStar Georgetown Transplant Institute, Washington D.C., DC, 5Pediatrics, Children’s National Medical Center, Washington D.C., DC

3:06 PM  Surgical Management Of Five Hundred Patients With Chronic Gut Failure At A Single Center: Autologous Reconstruction Versus Transplantation (Abstract #518)  
S. Armanyous, Y. Fouda, M. Fujiki, N. Parekh, M. Osman, R. Girlanda, K. Hashimoto, G. Costa, K. Abu-Elmagd, Cleveland Clinic, Cleveland, OH

3:18 PM  A National Survey of Immunosuppression Strategies in Intestinal Transplantation (Abstract #519)  
M. Segovia1, T. Beduschi2, J. Boike3, D. Farmer4, S. Horslen5, K. Iyer6, S. Jafri7, A. Langnas8, C. Matsumoto9, A. Mavis1, G. Mazariegis10, S. Nagai11, J. O’Leary11, Y. Patel1, D. Sudan1, N. Sulejmani7, B. Summers7, T. Schiano6, 1Duke, Durham, NC, 2Univ Miami, Miami, FL, 3NWU, Chicago, IL, 4UCLA, Los Angeles, CA, 5Seattle Child, Seattle, WA, 6Mt Sinai, NY, NY, 7Henry Ford, Detroit, MI, 8UNMC, Omaha, NE, 9Georgetown, Washington, DC, 10UPMC, Pittsburgh, PA, 11Dallas VAMC, Dallas, TX

3:30 PM  First Report and Mechanistic Analysis of Operational Tolerance after Intestinal Transplant (Abstract #520)  
J. Weiner1, S. Moturi1, C. Ashokkumar2, K. Khan1, S. Kaufman1, R. Sindhi2, C. Matsumoto1, T. Fishbein1, A. Kroemer1, 1MedStar Georgetown Transplant Institute, Washington, DC, 2University of Pittsburgh, Pittsburgh, PA

3:42 PM  Visceral Arterial Embolization - An Important Tool For Managing Blood Loss In Multivisceral Transplant Candidates With Portomesenteric Thrombosis (Abstract #521)  
Coffee Break in the Exhibit Hall  
4:00 pm – 4:30 pm

Concurrent Oral Abstract Sessions  
4:30 pm – 6:00 pm

Kidney Immunosuppression: Novel Regimens and Drug Minimization III  
Veterans Auditorium  
Chairs: D. Brennan, Johns Hopkins Medical Institute, Baltimore, MD and S. Kuten, Houston, TX

4:30 PM Increasing Time-in-Therapeutic Range of Tacrolimus is Associated with Superior Outcomes in Living Kidney Transplants (Abstract #524)  
T. Lin, T. Song, S. Yin, Y. Jiang, Z. Huang, X. Wang, J. Liu, Z. Wang, Organ Transplantation Center, Urology Department, Urology Research Institute, West China Hospital, Sichuan University, Chengdu, China

4:42 PM Ten Year Follow-Up of a Phase 2 Clinical Trial to Induce Tolerance in Living Donor Renal Transplant Recipients (Abstract #522)  
J. Leventhal¹, J. Galvin¹, L. Gallon¹, D. Stare¹, K. Ravindra¹, M. Horwitz², M. Abecassis¹, S. Ildstad³, ¹Northwestern U, Chicago, IL, ²Duke U, Durham, NC, ³U Louisville, Louisville, KY

4:54 PM Improving Medication Adherence and Outcomes in Adult Kidney Transplant Patients Using SystemCHANGETM: Results of the Medication Adherence Given Individual Change (MAGIC) Randomized Clinical Trial (Abstract #523)  
M. R. Wakefield¹, C. M. Ashbaugh², L. Remy³, D. Ahol³, C. Miller³, S. Ye³, D. K. Hathaway³, D. Clark³, V. S. Staggs³, K. Goggin³, R. J. Ellis³, C. L. Russell³, ¹Surgery/Urology, University of Missouri School of Medicine, Columbia, MO, ²Transplant, University of Missouri Health Care, Columbia, MO, ³School of Nursing and Health Studies, University of Missouri-Kansas City, Kansas City, MO, ⁴College of Nursing, University of Tennessee HSC, Memphis, TN, ⁵Health Services and Outcomes Research, Children’s Mercy Kansas City, Kansas City, MO, ⁶Health Services and Outcomes Research, Children’s Mercy Kansas City and Schools of Medicine and Pharmacy, University of Missouri-Kansas City, Kansas City, MO, ⁷School of Nursing, Indiana University, Indianapolis, IN

5:06 PM Tacrolimus Concentrations Can Be Reliably Measured in Capillary Microsamples (Abstract #525)  
M. T. Gustavsen, N. Vethe, M. Lauritsen, A. Andersen, A. Åsberg, S. Bergan, K. Midtvedt, Oslo University Hospital, Rikshospitalet, Oslo, Norway

5:18 PM Patient Centered AUC-Monitoring of Tacrolimus Using Capillary Microsampling (Abstract #526)  
M. T. Gustavsen, K. Midtvedt, N. Vethe, S. Bergan, A. Åsberg, Oslo University Hospital, Rikshospitalet, Oslo, Norway
5:30 PM  LCP-Tacrolimus (LCPT; Envarsus XR) Dosing Considerations in De Novo Kidney Transplant Recipients (Abstract #527) D. Cibrik1, P. West-Thielke2, S. J. Patel3, D. R. Stevens4, U. Meier-Kriesche2, 1University of Kansas Medical Center, Kansas City, KS, 2University of Illinois Hospital and Health Sciences System, Chicago, Chicago, IL, 3Velexis Pharmaceuticals, Cary, NC, 4Velexis Pharmaceuticals Inc., Cary, NC

5:42 PM  Impact of Once-Daily Tacrolimus on Trough Concentration Variability in Stable Adolescent and Young Adult Renal Transplant Recipients (Abstract #528) M. Moss, J. Goebel, A. Lofton, E. Steinberg, M. Bock, Children’s Hospital Colorado, Aurora, CO

Kidney: Polyoma

Ballroom B

4:30 PM  Epidemiology and Outcomes of BKV Nephropathy Management by Screening Policy in a Real-Life Setting (Abstract #529) V. D. GARCIA1, F. V. Raupp1, G. MEINERZ1, K. Piegas2, E. KEITEL1, 1Nephrology and Kidney and Pancreas Transplant Department, ISCMPA, Porto Alegre, Brazil, 2Pathology Department, ISCMPA, Porto Alegre, Brazil


5:06 PM  Donor-Derived Cell-Free DNA in Urine Identifies BKVN with Graft Injury in BK Viruria Kidney Transplant Recipients (Abstract #532) G. Huang1, X. Chen1, S. Yang2, W. Chen2, P. Chen2, X. Hou4, T. Jiang5, H. Liu6, X. Li3, C. Wang1, 1Organ Transplant Center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, 2Department of Pathology, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, 3Department of clinical laboratory, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, 4Guangzhou KingMed Center for Clinical Laboratory Co.,Ltd., Guangzhou, China, 5Research and Development, AlloDx Biotech Co.Ltd., Suzhou, China

5:18 PM  The Complexity of T Cell-Mediated Rejection Scenarios: Identifying BK in Biopsies with TCMR (Abstract #533) P. F. Halloran and The INTERCOMEX Investigators1, G. Gupta3, J. Reeve3, 1University of Alberta, Edmonton AB, AB, Canada, 2Virginia Commonwealth University, Richmond, VA, 3Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada

5:30 PM  Predictors of Response to Intravenous Immunoglobulin for Treatment of Polyoma Nephropathy (Abstract #534) S. Sethi, A. Vo, A. Peng, R. Najjar, K. Lim, S. Jordan, E. Huang, Cedars Sinai Medical Center, Los Angeles, CA
AMERICAN TRANSPLANT CONGRESS
Program, Tuesday, June 4, 2019

5:42 PM Increasing Net Immunosuppression after BK Viremia (Abstract #535)
L. Cotiguala, A. Masood, J. Park, A. Naik, University of Michigan, Ann Arbor, MI

Kidney: Cardiovascular and Metabolic III

Ballroom C
Chairs: B. Fischbach, Fort Worth, TX and V. Humphreyle, University Hospitals Cleveland Medical Center/Case Western Reserve University School of Medicine, Cleveland, OH

4:30 PM Vo2peak Superior to Current Established Measure of Post Kidney Transplant Survival Score (EPTS Score) (Abstract #536)
H. Chakkera1, R. Butterfield1, M. Buras1, B. Kaplan2, 1Mayo Clinic Hospital, Phoenix, AZ, 2Baylor Scott and White, Dallas, TX

4:42 PM Can Cardiac Risk Predictor Models Be Trusted in Kidney Transplant Recipients? (Abstract #537)
K. L. Hoffman1, R. R. Alloway1, A. Shields2, E. Woodle2, A. Govil1, 1Nephrology & Transplant Medicine, University of Cincinnati, Cincinnati, OH, 2Transplant Surgery, University of Cincinnati, Cincinnati, OH

4:54 PM Positron Emission Tomography (PET-CT) Global Coronary Flow Reserve (CFR) Stratifies Cardiovascular Risk among Renal Transplant (RTx) Candidates (Abstract #538)

5:06 PM Aorto-iliac Calcification is a Risk Factor for Inferior Patient and Graft Survival in Kidney Transplant Recipients; A Systematic Review and Meta-Analysis (Abstract #539)
A. A. Rijkse1, J. L. van Dam, H. J. Kimenai, J. N. Jjjermans, R. C. Minnee, HPB/Transplant surgery, Erasmus Medical Center, Rotterdam, Netherlands

5:18 PM The Benefit of Kidney Transplantation over the Waitlist Depends on the Patient’s Comorbidities (Abstract #540)
A. Andrade Izquierdo1, J. V. Reusing Jr1, V. Onusic1, F. Agena1, F. C. Lemos1, F. de Paula1, F. Gerab2, E. David-Neto1, 1Renal Transplantation Service, Hospital das Clinicas - University of Sao Paulo School of Medicine, Sao Paulo, Brazil, 2Department of Mathematics, FEI University, Sao Paulo, Brazil

5:30 PM Pre-Transplant Cardiac Work Up Does Not Predict Post-Transplant Cardiac Events at One Year among Kidney and Pancreas Transplant Recipients (Abstract #541)
S. M. Riad1, S. Konety1, S. Jackson2, N. Raj1, V. Vakil2, D. Keys1, E. Finger3, R. Spong1, 1Medicine, University of Minnesota, Minneapolis, MN, 2Complex Care Analytics, Fairview Health Services, Minneapolis, MN, 3Surgery, University of Minnesota, Minneapolis, MN

5:42 PM Protocol Cardiac Catheterization in Renal Transplant Candidates (Abstract #542)

Kidney Living Donor: Selection

Ballroom A
Chairs: D. Serur, Englewood, NJ and E. Poggio, Cleveland Clinic, Cleveland, OH

5:06 PM Opening the Doors of Hope: HIV-Positive Living Kidney Donation (Abstract #543)
S. Rusch, L. Fieldman, M. Hemmersbach-Miller, C. R. Wolfe, Duke University Medical Center, Durham, NC

4:30 PM Protocol Cardiac Catheterization in Renal Transplant Candidates (Abstract #542)

5:30 PM Pre-Transplant Cardiac Work Up Does Not Predict Post-Transplant Cardiac Events at One Year among Kidney and Pancreas Transplant Recipients (Abstract #541)
S. M. Riad1, S. Konety1, S. Jackson2, N. Raj1, V. Vakil2, D. Keys1, E. Finger3, R. Spong1, 1Medicine, University of Minnesota, Minneapolis, MN, 2Complex Care Analytics, Fairview Health Services, Minneapolis, MN, 3Surgery, University of Minnesota, Minneapolis, MN

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5:06 PM Aorto-iliac Calcification is a Risk Factor for Inferior Patient and Graft Survival in Kidney Transplant Recipients; A Systematic Review and Meta-Analysis (Abstract #539)
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4:30 PM Vo2peak Superior to Current Established Measure of Post Kidney Transplant Survival Score (EPTS Score) (Abstract #536)
H. Chakkera1, R. Butterfield1, M. Buras1, B. Kaplan2, 1Mayo Clinic Hospital, Phoenix, AZ, 2Baylor Scott and White, Dallas, TX

4:42 PM Can Cardiac Risk Predictor Models Be Trusted in Kidney Transplant Recipients? (Abstract #537)
K. L. Hoffman1, R. R. Alloway1, A. Shields2, E. Woodle2, A. Govil1, 1Nephrology & Transplant Medicine, University of Cincinnati, Cincinnati, OH, 2Transplant Surgery, University of Cincinnati, Cincinnati, OH

4:54 PM Positron Emission Tomography (PET-CT) Global Coronary Flow Reserve (CFR) Stratifies Cardiovascular Risk among Renal Transplant (RTx) Candidates (Abstract #538)

5:06 PM Increasing Net Immunosuppression after BK Viremia (Abstract #535)
L. Cotiguala, A. Masood, J. Park, A. Naik, University of Michigan, Ann Arbor, MI
4:42 PM Care of International Living Kidney Donor Candidates in the U.S.: A Survey of Contemporary Experience, Practice & Challenges (Abstract #544)

4:42 PM Assessing Pressure to Donate among Potential Living Kidney Donors (Abstract #545)

5:06 PM Kidney Evaluation in Living Kidney Donors: Survey of US Transplant Centers 2018 (Abstract #546)
N. Garg, K. L. Lentine, L. Inker, A. X. Garg, J. Rodrigue, D. Segev, D. A. Mandelbrot, UW Madison, Madison, WI, SLU, St. Louis, MO, Tufts, Boston, MA, Western University, London, ON, Canada, BIDMC, Boston, MA, JHU, Baltimore, MD

4:54 PM Assessing Pressure to Donate among Potential Living Kidney Donors (Abstract #545)

5:06 PM Kidney Evaluation in Living Kidney Donors: Survey of US Transplant Centers 2018 (Abstract #546)
N. Garg, K. L. Lentine, L. Inker, A. X. Garg, J. Rodrigue, D. Segev, D. A. Mandelbrot, UW Madison, Madison, WI, SLU, St. Louis, MO, Tufts, Boston, MA, Western University, London, ON, Canada, BIDMC, Boston, MA, JHU, Baltimore, MD

4:30 PM The Model For Predicting eGFR At A Year After Donation In Living Related Kidney Transplant Donors (Abstract #548)
K. Shinoda, K. Sakurabayashi, T. Mizutani, Y. Takahashi, Y. Hyodo, Y. Itabashi, M. Muramatsu, T. Kawamura, Shishido, K. Sakai, Nephrology, Toho University Faculty of Medicine, Tokyo, Japan

N. Garg, K. L. Lentine, L. Inker, A. X. Garg, J. Rodrigue, D. Segev, D. A. Mandelbrot, UW Madison, Madison, WI, SLU, St. Louis, MO, Tufts, Boston, MA, Western University, London, ON, Canada, BIDMC, Boston, MA, JHU, Baltimore, MD

Liver - Kidney Issues in Liver Transplantation

Room: 302
Chairs: R. Fontana, University of Michigan, Ann Arbor, MI and S. Fayek, Inova Fairfax Hospital, Falls Church, VA

4:30 PM A Randomized Controlled Clinical Trial of Thymoglobulin® and Extended Delay of Calcineurin Inhibitor Therapy for Renal Protection after Liver Transplantation: A Multicenter Study (Abstract #550)
L. Coromina, S. Shah, B. Xervos, M. Zimmerman, K. Sasaki, T. Diago, K. Hashimoto, F. Aucejo, m. Fujiki, H. Block-Beach, A. Patterson, C. Miller, C. Quintini, B. Eghtesad, The Cleveland Clinic, Cleveland, OH, University of Cincinnati, Cincinnati, OH, The Cleveland Clinic, Weston, FL, Medical College of Wisconsin, Milwaukee, WI
4:42 PM Recipients with Model for End-Stage Liver Disease Sodium Score Driven by Renal Dysfunction Have Increased Post-Transplant Mortality (Abstract #551)
T. Bittermann, D. Goldberg, Gastroenterology, University of Pennsylvania, Philadelphia, PA

4:54 PM Early Impact of the New United Network for Organ Sharing Simultaneous Liver-Kidney Transplantation Allocation Policy: Improved Standardization but Similar Utilization (Abstract #552)
G. Cullaro, E. C. Verna, J. C. Lai, 
1UCSF, San Francisco, CA, 2Columbia University, New York, NY

5:06 PM Hephaistos Study Outcome on Renal Function after 12 Month Everolimus Plus Reduced Tacrolimus in De Novo Liver Transplant Recipients versus Standard Tacrolimus (Abstract #553)
F. Braun, P. Schemmer, H. Schlitt, A. Pascher, C. Klein, U. Neumann, I. Kroeger, P. Wimmer, B. Nashan, 1Study Group, Hephaistos, Germany, 2Novartis Pharma GmbH, Nuernberg, Germany

5:18 PM Chronic Kidney Disease among Liver Transplant Candidates: A Rising Burden and Its Impact on Post-Liver Transplant Outcomes (Abstract #554)
G. Cullaro, P. Schemmer, B. P. Lee, J. C. Lai, 1UCSF, San Francisco, CA, 2Columbia University, New York, NY

5:30 PM The Use of Native Kidney Biopsy to Predict Renal Dysfunction Following Liver Transplantation (Abstract #555)
D. O. Walls, L. Muraveika, M. B. Palmer, D. L. Sawinski, B. J. Keating, P. L. Abt, 1Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA, 2Pathology, Hospital of the University of Pennsylvania, Philadelphia, PA, 3Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA

5:42 PM Donation after Cardiac Simultaneous Liver-Kidney: An Updated Perspective (Abstract #556)
R. Nunez, P. Morgan, A. Mathur, K. S. Reddy, A. Moss, B. Agel, C. Jadiowiec, Mayo Clinic AZ, Phoenix, AZ

Kidney Immunosuppression: Induction Therapy

Room: 304
Chairs: H. Wadei, Mayo Clinic, Jacksonville, FL and J. Rogers, Wake Forest Baptist Medical Center, Winston Salem, NC

4:30 PM Effect of Induction Therapy on Outcomes of De Novo Renal Transplant Recipients Receiving Everolimus with Reduced-Dose Calcineurin Inhibitor: 24-Month Results from the TRANSFORM Study (Abstract #557)

4:42 PM Effect of ATG on Monocytic Myeloid-Derived Suppressor Cells and Its Associated Mechanisms in Kidney Transplantation Recipients (Abstract #558)
Y. Jiang, X. Zhang, Beijing Chao-yang Hospital, Beijing, China

4:54 PM To Each Their Own: Center-Level Variation in Tailoring Induction Immunosuppression to Kidney Transplant Recipients (Abstract #559)
S. Bae, A. Massie, J. Garonzik Wang, M. McAdams DeMarco, J. Coresh, D. Segev, Johns Hopkins University, Baltimore, MD
5:06 PM Association Of Lymphocyte-depleting Antibody And Steroids Induction With The Risk And Outcomes Of Post-transplant Diabetes: Analysis Of Deceased-donor Kidney Transplants (Abstract #560)
A. Santos¹, J. Gregg², U. L. Akanit³, K. Alquadan¹, H. Bejjanki¹, K. L. Womer¹, ¹Div. of Nephrology, Hypertension & Renal Transplantation, University of Florida, Gainesville, FL, ²University of Florida, Gainesville, FL, ³Ubon Ratchathani University, Ubonratchathani, Thailand

5:18 PM Basiliximab versus T-cell Depleting Induction Therapy in Elderly Kidney Transplant Recipients (Abstract #561)

5:30 PM Age-Related Effects on Thymic Output and Homeostatic T Cell Expansion Following Depletional Induction (Abstract #562)
H. Xu, H. Lee, A. Kirk, Surgery, Duke University, Durham, NC

5:42 PM Is Alemtuzumab Induction Safe In Septuagenarians Undergoing Deceased Donor Kidney Transplantation? (Abstract #563)
D. Harriman, V. Gurram, C. Jay, J. Rogers, A. Farney, G. Orlando, A. Reeves-Daniel, A. Mena-Gutierrez, R. Stratta, Wake Forest Baptist Medical Center, Winston-Salem, NC

4:30 PM Patterns and Predictors of Alcohol Use after Early Liver Transplant for Alcoholic Hepatitis (Abstract #564)
B. P. Lee¹, M. Rinella², G. Im³, J. Rice⁴, O. Fix⁵, G. Therapondos⁶, H. Han⁷, D. Victor⁸, E. Weinberg⁹, C. Hsu¹⁰, M. Voigt¹¹, H. Maddur¹², S. Eswaran¹², D. Foley¹, R. Ghobrial¹², L. Dingens¹, J. Dodge¹, N. Mehta¹, M. Lucey¹, N. Terrault¹, ¹UCSF, SF, CA, ²NW, Chicago, IL, ³MtSinai, NYC, NY, ⁴Wisconsin, Madison, WI, ⁵Swedish, Seattle, WA, ⁶Ochsner, Jefferson, LA, ⁷USC, LA, CA, ⁸Houston, Houston, TX, ⁹Penn, Philadelphia, PA, ¹⁰Georgetown, DC, WA, ¹¹Iowa, Iowa City, IA, ¹²Rush, Chicago, IL

4:42 PM Frailty and BMI in Liver Transplant Candidates: 9-Center Functional Assessment in Liver Transplantation Study (Abstract #565)
C. Haugen¹, M. McAdams-DeMarco¹, D. Segev¹, E. Verna², R. Rahimi³, M. Kappus⁴, M. Volk⁵, M. Dunn⁶, A. Duarte Rojo⁷, D. Granger⁸, J. O’Leary⁹, D. Ladner⁷, J. Lai¹⁰, ¹JHU, Baltimore, MD, ¹²Columbia, NYC, NY, ²Baylor, Dallas, TX, ³Duke, Durham, NC, ⁴Loma Linda, Loma Linda, CA, ⁵Pitt, Pittsburgh, PA, ⁶Northwestern, Chicago, IL, ⁷DVA, Dallas, TX, ⁸UCSF, San Francisco, CA

4:54 PM Impact of Recipient Age in Combined Liver-Kidney Transplantation (CLKT): Caution is Needed for Elderly Patients ≥70 Years (Abstract #566)
B. Ekser¹, W. C. Goggins¹, R. S. Mangus¹, P. Mihaylov¹, J. A. Fridell¹, M. A. Lacerda², M. S. Ghabril³, J. A. Powelson¹, C. A. Kubal¹, ¹Transplant Division, Department of Surgery, Indiana University, Indianapolis, IN, ²Gastroenterology, Indiana University, Indianapolis, IN
5:06 PM Elevated Visceral Adiposity is Associated with Post-Liver Transplant Mortality and Poorly Correlates with BMI in a Prospective Cohort Study (Abstract #567)
R. Sharma, R. Rosenblatt, R. Knotts, J. Pisa, E. Verna, Division of Liver Diseases and Transplantation, Columbia University Medical Center, New York, NY

5:18 PM Halt-hcc At The Time Of Listing Is Superior To Other Allocation Metrics At Predicting Waitlist Dropout; An Srtr Analysis (Abstract #568)
J. C. McVey1, K. Sasaki1, D. J. Firil, C. M. Miller1, K. Hashimoto1, C. Quintini1, F. N. Aucejo1,1 Digestive Disease and Surgery Institute, Cleveland Clinic, Cleveland, OH, 2Department of General Surgery, Duke University, Durham, NC

5:30 PM Favorable Waitlist Outcomes in Patients with Alcoholic Liver Disease in the MELD-Na Era (Abstract #569)

5:42 PM TIPS Effectively Treats Refractory Hepatic Hydrothorax: A Multi-Center U.S. Retrospective Study of 1,260 Patients (Abstract #570)
M. German1, A. Lee1, A. Hristov1, A. Said1, J. Boike2, J. Ge3, N. Jest4, G. Morelli5, K. Kolli5, J. Lai5, A. Desai5, S. Junna5, B. Pohkreli6, T. Court7, S. Paul7, C. Frenette8, N. Christian-Miller6, E. Verna6, U. Rahim8, A. Goel9, A. Das10, S. Pine10, D. Gregory10, L. VanWagner10, E. Spengler1,1 University of Wisconsin, Madison, WI, 2Northwestern University, Chicago, IL, 3University of California, San Francisco, San Francisco, CA, 4University of Florida, Gainesville, FL, 5University of Indiana, Indianapolis, IN, 6University of Arizona, Tucson, AZ, 7University of Chicago, Chicago, IL, 8Scripps Clinic, San Diego, CA, 9Columbia University, New York, NY, 10Stanford University, Palo Alto, CA

Lymphocyte Biology: Signaling, Co-Stimulation, Regulation

Room: 311
Chairs: W. W. Hancock, Pathology and Laboratory Medicine, University of Pennsylvania, Philadelphia, PA and R. Abdi, Brigham & Womens Hosp, Boston, MA

4:30 PM Single Nucleotide Polymorphisms in NFATC1 rs2290154 Associated with the Risk of T Cell-Mediated Rejection of Recipients Following Kidney Transplantation (Abstract #571)
Z. Wang, S. Fei, H. Chen, L. Sun, Z. Han, J. Tao, X. Ju, R. Tan, M. Gu, No.300 Guangzhou Road of Nanjing, Nanjing, China

4:42 PM Selective CD28 Blockade-Mediated Inhibition of T Follicular Helper Cell and DSA Responses is CTLA-4 Dependent (Abstract #572)
G. M. La Muraglia II, M. L. Ford, I. R. Badell, Emory Transplant Center, Atlanta, GA

4:54 PM Type-1 Interferons Impair the Key Immunoregulatory Activity of IL-10 in the Promotion of Transplant Tolerance (Abstract #573)
M. Iglesias Lozano, M. Chicco, D. Bibicheff, G. Brandacher, G. Raimondi, Plastic Surgery, Johns Hopkins University, Baltimore, MD

5:06 PM FcγRIIB is a Novel CD8+ Effector T Cell Intrinsic Regulatory Pathway That Correlates with Freedom from Rejection in Renal Transplant Patients (Abstract #574)
A. B. Morris1, D. F. Pinelli1, D. Liu1, J. M. Boss2, C. D. Scharer3, M. Fribourg4, P. Cravedi4, P. S. Heeger4, M. L. Ford1, 1Surgery, Emory University, Atlanta, GA, 2Micro & Immuno, Emory University, Atlanta, GA, 3Center for Translational Transplant Research, Icahn SOM at Mount Sinai, New York, NY
5:18 PM  Lymphotoxin Signaling Regulates T Cell Lymphatic Trafficking (Abstract #575)
W. Piao¹, L. Li², V. Saxena², Y. Xiong², M. WillsonShirkey³, C. Paluskievicz³, J. Bromberg³, ¹Microbiology and Immunology, U. Maryland, Baltimore, Baltimore, MD, ²Surgery, U. Maryland, Baltimore, Baltimore, MD, ³Microbiology and Immunology, U. Maryland, Baltimore, Baltimore, MD

5:30 PM  Memory T Follicular Helper Cell Alloresponse is Memory B Cell Independent and Inhibited by CD28 Costimulation Blockade (Abstract #576)
S. Zeng, G. M. La Muraglia II, M. L. Ford, I. R. Badell, Emory University School of Medicine, Atlanta, GA

5:42 PM  Circulating Donor T and NK Cells in Lung Transplantation Recipients Are Derived from the Donor Lung Parenchyma and Represent Tissue-Resident Memory Cells (Abstract #577)
J. F. Kuehne¹, R. Ballmás Sanz¹, A. Hitz¹, B. Wiegmann², K. A. Bläsing¹, F. Ius², A. Knoefel², I. Tudorache², M. Avsar², D. Jonigk³, A. Haverich², G. Warnecke², C. Falk¹, ¹Institute of Transplant Immunology, Hannover Medical School (MHH), Hannover, Germany, ²Department for Cardiothoracic, Transplantation and Vascular Surgery, Hannover Medical School (MHH), Hannover, Germany, ³Institute of Pathology, Hannover Medical School (MHH), Hannover, Germany

Biomarkers, Immune Monitoring and Outcomes V

4:30 PM  Pre-Transplant Transcriptomic Signature in Peripheral Blood Predicts Early Acute Rejection after Kidney Transplant (Abstract #578)
W. Zhang¹, Z. Yi¹, C. Wei¹, K. Keung², Z. Sun¹, C. Xi¹, C. Woytovich¹, S. Farouk¹, L. Gallon³, M. Menon¹, C. Magee⁴, N. Najafian⁵, M. Samaniego⁵, A. Jamali⁵, S. Alexander⁵, I. Rosales⁵, R. Smith⁵, P. O’Connell⁵, R. Colvin⁵, P. Cravedi¹, B. Murphy¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²The University of Sydney, Sydney, Australia, ³Northwestern University Feinberg School of Medicine, Chicago, IL, ⁴Brigham and Women’s Hospital, Boston, MA, ⁵Henry Ford Hospital, Detroit, MI, ⁶University of Wisconsin, Madison, WI, ⁷Massachusetts General Hospital, Boston, MA

4:42 PM  Promotion of Chimerism by Lymphohematopoietic Graft-versus-Host Responses in Patients Receiving Intestinal Transplantation (Abstract #579)
J. Fu¹, J. Zuber¹, B. Shonts¹, A. Obradovic¹, K. Frangalj¹, E. E. Waffarn¹, S. Lau¹, T. M. Savage¹, S. Yang¹, K. Rogers¹, P. Satwani², S. Ho¹, Y. Shen³, A. Griesemer⁴, M. Martinez², T. Kato⁴, M. Sykes¹, ¹Columbia Center for Translational Immunology, Department of Medicine, Columbia University, New York, NY, ²Department of Pediatrics, Columbia University, New York, NY, ³Department of Systems Biology, Columbia University, New York, NY, ⁴Department of Surgery, Columbia University, New York, NY
C. Macedo¹, K. Louis¹, P. Fadakar², M. Yamada², B. Elinoff¹, K. Hadi¹, P. Randhawa¹, D. Metes¹, 'Starzl Transplantation Institute, Pittsburgh, PA, ²Children’s Hospital of Pittsburgh, Pittsburgh, PA

5:06 PM Significantly High FOXP3 mRNA in the Renal Allograft as a Mechanism of Tolerance Induced by Transient Mixed Chimerism in Non-Human Primates (Abstract #581)
M. Matsunami¹, I. Rosales¹, T. Oura¹, B. Adam², M. Mengel², R. Smith², A. Cosimi², R. Colvin¹, T. Kawai¹, 'Center for Transplantation Sciences, Massachusetts General Hospital, Harvard Medical School, Boston, MA, ²Department of Laboratory Medicine and Pathology, University of Alberta, Edmonton, AB, Canada

5:18 PM A Single Measurement of Torque Teno Virus Helps to Predict Mortality in Renal Transplant Patients (Abstract #582)
E. Gore¹, C. van Leer¹, A. de Joode³, I. Nolte³, J. Westra³, A. Gomes Neto³, H. G. Niesters¹, S. J. Bakker³, 'Department of Medical Microbiology, University Medical Centre Groningen, Groningen, Netherlands, ²Department of Nephrology, University Medical Centre Groningen, Groningen, Netherlands, ³Department of Epidemiology, University Medical Centre Groningen, Groningen, Netherlands, ⁴Department of Immunology, University Medical Centre Groningen, Groningen, Netherlands

5:30 PM Early CXCR5+PD1+ICOS+ Circulating Follicular T Helpers Are Associated with De Novo Donor-Specific Anti-HLA Antibodies after Renal Transplantation (Abstract #583)
R. Danger¹, M. Chesneau¹, F. Delbos³, S. Lebot¹, C. Kerleau¹, A. Chenouard¹, A. Cesbron³, M. Giralt³, S. Brouard³, ¹CRTI- INSERM UMR 1064- ITUN- Labex IGO -Université de Nantes -CHU Nantes, Nantes, France, ²Laboratoire Histocompatibilité et Immunogénétique - Etablissement Français du sang, Nantes, France, ³Centre d’Investigation Clinique en Biothérapie, Centre de ressources biologiques, Fondation Centaure, CRTI-INSERM UMR 1064- ITUN- Labex IGO -Université de Nantes -CHU Nantes, Nantes, France

5:42 PM Outcomes and Clinical Utility of the kSORT Assay in the Prism Prospective Clinical Trial of Highly Sensitized Kidney Transplant Recipients (Abstract #584)

Non-Organ Specific: Viral Hepatitis
Room: 309
Chairs: E. Verna, NY and D. Sawinski, Hospital of the U of Pennsylvania, Philadelphia, PA

4:30 PM Consideration for Offering Hepatitis C Antibody Positive Donor Grafts to All Patients Listed for Transplant (Abstract #585)
L. Smith, Vanderbilt Transplant Center, Nashville, TN
4:42 PM Optimal Timing of Hepatitis C Treatment among HIV/HCV Co-Infected End-Stage Renal Disease Patients: Pre vs. Post-Transplant (Abstract #586)
B. Shelton¹, G. Berdahl¹, D. Sawinski², B. Linas³, P. Reese⁴, M. Mustian¹, R. Reed¹, P. MacLennan¹, J. Locke¹, ¹University of Alabama at Birmingham, Birmingham, AL, ²University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, ³Boston University School of Medicine, Boston, MA

5:42 PM Results from the LIVE-C Free Trial (Abstract #591)
J. N. Fleming¹, D. DuBay¹, N. L. Jonassaint⁵, R. S. Satoskar⁵, K. D. Chavin⁶, ¹Medical University of South Carolina, Charleston, SC, ²University of Pittsburgh Medical Center, Pittsburgh, PA, ³Medstar Georgetown Medical Center, Washington, DC, ⁴University Hospital, Cleveland, OH

Stem Cell, Cellular Therapies and Regenerative Medicine
Room: 310
Chairs: E. Yolcu, Louisville, Louisville, KY and C. Blosser, WA

5:06 PM Hepatitis C Positive Donor to Negative Recipient Kidney Transplantation: A Single Center Real World Experience (Abstract #588)
N. Jandovitz, V. Nair, E. Grodstein, E. Molmenti, A. Fahmy, M. Bhaskaran, L. Teperman, North Shore University Hospital, Manhasset, NY

4:30 PM Human Urine-Derived Stem Cells Protect against Renal Ischemia Reperfusion Injury via Releasing Exosomal miR-146a-5p Which Targets IRAK1 in a Rat Model (Abstract #592)
X. Li, Z. Bi, Q. Su, H. Huang, L. Liu, C. Wang, Organ Transplant Center, Sun Yat-sen University, Guangzhou, China

4:42 PM Lineage Tracing Identifies C-Kit Cells as a Population of Kidney-Specific Stem Cells during Development and in Acute and Chronic Kidney Diseases (Abstract #593)
E. B. Rangel¹, E. Higuti-Sousa¹, G. Goss², B. Goldstein², B. Seidler³, D. Saur³, S. A Gomes⁴, J. M. Hare², ¹Albert Einstein Hospital, São Paulo, Brazil, ²University of Miami, Miami, FL, ³Medizinische Klinik, Technische Universität München, Munich, Germany, ⁴University of São Paulo, São Paulo, Brazil
4:54 PM Differences of Gut Microbiota Composition between Donor and Recipient May Predict 1-Year Graft Function (Abstract #594)
J. Kim¹, H. Cho², J. Park³, J. Jeong¹, M. Kwak¹, B. Kim⁴, D. Kim¹, J. Lee⁵, B. Kim⁶, Y. Kim¹, H. Lee¹, ¹Seoul National University Hospital, Seoul, Korea, Republic of, ²Chungbuk National University Hospital, Cheongju, Korea, Republic of, ³Kangwon National University Hospital, Seoul, Korea, Republic of, ⁴Chunlab Inc., Seoul, Korea, Republic of, ⁵Seoul National University Boramae Hospital, Seoul, Korea, Republic of, ⁶Hallym University, Chuncheon, Korea, Republic of

5:06 PM Engineering Regulatory T Cells With TCR-Signaling-Responsive Interleukin 2 Nanoparticles Provides In Situ Suppression Of Alloimmunity (Abstract #595)
S. K. Eskandari¹, M. B. Melo², I. Sulkaj¹, N. Li³, S. Cai¹, H. Allos¹, J. Y. Choi¹, D. J. Irvine², J. R. Azzi¹, ¹Harvard Medical School, Brigham and Women’s Hospital, Boston, MA, ²David H. Koch Institute for Integrative Cancer Research, Cambridge, MA

5:18 PM Differentiation and Characterization of Human Endodermal Precursors for Liver Cell Therapies (Abstract #596)
W. S. Fagg¹, N. Liu¹, M. Shoja¹, I. Patrikeev², M. Motamed³, J. Fair¹, ¹Surgery, University of Texas Medical Branch, Galveston, TX, ²Opthalmology and Visual Sciences, University of Texas Medical Branch, Galveston, TX

5:30 PM Immunosuppression Increases Regenerative Potential of Adult Rat Cardiac Progenitor Cells in Allogeneic Rat Myocardial Infarction Model (Abstract #597)
M. Gunasekaran, R. Mishra, S. Sharma, P. Saha, M. Y. Arfat, C. Ambastha, D. Morales, F. Xuebin, G. J. Bittle, D. Li, S. Kaushal, Department of Surgery, University of Maryland, Baltimore 21201, MD

5:42 PM MDSCs Prolong Allogeneic Cardiac Graft Survival by Regulating Interferon Type 1 Signaling (Abstract #598)
S. Cai¹, P. T. Sage¹, T. J. Borges¹, T. Ichimura¹, S. K. Eskandari¹, J. Y. Choi¹, I. Salku¹, B. S. Al Dulaijan¹, H. Allos¹, J. Miao², L. V. Riella¹, A. K. Chandraker¹, J. R. Azzi¹, ¹Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, ²Boston Children’s Hospital, Harvard Medical School, Boston, MA

Ischemia Reperfusion & Organ Rehabilitation III
Room: 313
Chairs: H. Yeh, Massachusetts General Hospital, Boston, MA and A. Jani

4:30 PM Total Parenteral Nutrition in Ex Vivo Lung Perfusion: Addressing Metabolism Improves Both Inflammation and Overall Graft Performance (Abstract #599)
M. T. Buchko, S. Hatami, C. J. Stewart, S. Himmat, D. H. Freed, J. Nagendran, Department of Surgery, Division of Cardiac Surgery, University of Alberta, Edmonton, AB, Canada

4:42 PM Normothermic Ex-Vivo Kidney Perfusion Preservation Consistently Improves Extreme Marginal Graft Function Compared to Hypothermic Machine Perfusion (Abstract #600)
P. Urbanelli¹, M. Hamar¹, I. Linares¹, D. Kollmann¹, S. Ganesh¹, F. Oquendo¹, M. Sharma¹, R. John¹, A. Ghanekar¹, I. Mucsi¹, D. Bagli², A. Konvalinka³, L. Robinson³, M. Selzner¹, ¹Multi-Organ Transplantation Program, University Health Network, Toronto, ON, Canada, ²Division of Urology, The Hospital for Sick Children, Toronto, ON, Canada, ³Division of Nephrology, The Hospital for Sick Children, Toronto, ON, Canada
4:54 PM  Donation After Circulatory Death Kidneys With Prolonged Delayed Graft Function Present Widespread Metabolic And Translational Deficiencies At Time Of Retrieval (Abstract #601)
M. L. Lo Faro¹, K. Rozenberg¹, H. Huang¹, S. Maslau¹, H. Leuvenink², E. Sharples³, R. Ploeg¹, ¹Nuffield Department of Surgical Sciences, University of Oxford, Oxford, United Kingdom, ²University Medical Centre Groningen, Groningen, Netherlands, ³Oxford Transplant Centre, Oxford, United Kingdom

5:42 PM  miR-20a Inhibits Autophagy by Targeting AKT and BIM in Renal Reperfusion Injury (Abstract #602)
T. Lin, T. Song, Y. Jiang, J. Liu, Z. Wang, L. Li, Z. Huang, Y. Fan, X. Wang, Organ Transplantation Center, Urology Department, Urology Research Institute, WestChina Hospital, Sichuan University, Chengdu, China

Quality Assurance Process Improvement & Regulatory Issues II
Room: 210
Chairs: K. Lentine, Saint Louis University Medical Center, Saint Louis, MO and R. Hasz, Gift of Life Donor Program, Philadelphia, PA

4:30 PM  Opioid Minimization in Kidney Transplant: Achievable Quicker Than You Think (Abstract #606)
J. N. Fleming, N. Patel, H. Gonzales, N. A. Pilch, S. Parks, C. Perez, P. K. Baliga, S. N. Nadig, D. J. Taber, V. Rohan, Medical University of South Carolina, Charleston, SC

4:42 PM  Role of Procurement and Reperfusion Biopsy in Kidney Transplant in Evaluating and Predicting Outcomes of Deceased Donor Kidneys (Abstract #607)
S. Faiz, A. Pai, A. De Golovine, A. Edwards, W. Glass, A. Tchakarov, UT Houston, Houston, TX

4:54 PM  Improving Living Donor Follow Up (Abstract #608)
A. Bonham¹, Z. Tulu², W. Concepcion¹, A. Gallo¹, M. Melcher¹, P. Kwo¹, A. Ahmed¹, C. Esquivel¹, ¹Stanford University Medical School, Palo Alto, CA, ²Stanford Health Care, Palo Alto, CA

5:06 PM  Using Liver Transplant (LT) Data And Analytics to Improve Program Clinical and Financial Performance (Abstract #609)
A. Bonham¹, Z. Tulu², W. Concepcion¹, A. Gallo¹, M. Melcher¹, P. Kwo¹, A. Ahmed¹, C. Esquivel¹, ¹Stanford University Medical School, Palo Alto, CA, ²Stanford Health Care, Palo Alto, CA

5:18 PM  Organ Resilience Contributes to Different Impact of Delayed Graft Function (DGF) on Graft Survival in Kidneys Donated by Brain Death (DBD) and Circulatory Death Donors (DCD) (Abstract #604)
M. J. de Kok, A. F. Schaapherder, L. G. Wijermars, D. K. de Vries, J. L. Lindeman, Transplantation Center, LUMC, Leiden, Netherlands

5:30 PM  Effects of Static Subnormothermic Preservation of Extended Warm Ischemic Porcine Kidneys Assessed by Ex-Vivo Machine Perfusion and Renal Transplant Model (Abstract #605)
H. Sahara, Y. Ariyoshi, M. Sekijima, T. Iwanaga, A. Shimizu, K. Yamada, Center for Advanced Biomedical Science and Swine Research, Kagoshima University, Kagoshima, Japan

5:42 PM  miR-20a Inhibits Autophagy by Targeting AKT and BIM in Renal Reperfusion Injury (Abstract #602)
T. Lin, T. Song, Y. Jiang, J. Liu, Z. Wang, L. Li, Z. Huang, Y. Fan, X. Wang, Organ Transplantation Center, Urology Department, Urology Research Institute, WestChina Hospital, Sichuan University, Chengdu, China

5:06 PM  Using Liver Transplant (LT) Data And Analytics to Improve Program Clinical and Financial Performance (Abstract #609)
A. Bonham¹, Z. Tulu², W. Concepcion¹, A. Gallo¹, M. Melcher¹, P. Kwo¹, A. Ahmed¹, C. Esquivel¹, ¹Stanford University Medical School, Palo Alto, CA, ²Stanford Health Care, Palo Alto, CA
5:18 PM Using an Electronic Medical Record Tool to Document Transplant Option Discussions among Patients with EGFR \( \leq 20 \text{ mL/min/1.73m}^2 \) (Abstract #610)
A. Yishak\(^1\), R. R. Brentari\(^2\), R. M. Love La Londe\(^3\), E. Clark\(^4\), E. Clark\(^4\), J. Sun\(^5\), S. Vupputuri\(^6\), \(^1\)Nephrology, MAPMG, McLean, VA, \(^2\)KP National Transplant Service, Oakland, CA, \(^3\)KP National Transplant Services, Oakland, CA, \(^4\)KP National Transplant Services, Silver Spring, MD, \(^5\)KP, Rockville, MD, \(^6\)MAPRI, MAPMG, Rockville, MD

5:30 PM Development of a Pharmacy Collaborative Practice Agreement to Improve Efficiency and Management of Prescribing in a Renal Transplant Clinic (Abstract #611)
R. Chelewski\(^1\), K. Johnson\(^1\), A. Zuckerman\(^1\), J. DeClercq\(^3\), L. Choi\(^3\), M. Peter\(^2\), \(^1\)Vanderbilt Specialty Pharmacy Services, Vanderbilt Univ Medical Ctr, Nashville, TN, \(^2\)Department of Pharmacy, Vanderbilt Univ Medical Ctr, Nashville, TN, \(^3\)Department of Biostatistics, Vanderbilt Univ Medical Ctr, Nashville, TN

5:42 PM Improving the Organ Donation Process: Updated (Abstract #612)
J. Yeh\(^1\), M. P. Jarrett\(^1\), L. Teperman, Northwell Health, New Hyde Park, NY

Non-Organ Specific: Disparities and Access to Healthcare II

Room: 208
Chairs: S. Mohan, Columbia University Medical Center, New York, NY and J. Rodrigue, Beth Israel Deaconess Medical Center, Boston, MA

4:30 PM Dialysis Facility Provider Transplant Knowledge after a Randomized Multilevel Intervention to Increase Kidney Transplant Referral and Evaluation in the Southeast (Abstract #613)
K. Maroney\(^1\), R. Hamoda\(^1\), L. McPherson\(^1\), A. Cruz\(^2\), S. Pastan\(^1\), L. Plantinga\(^1\), S. Paul\(^1\), M. Ellis\(^2\), D. DuBay\(^2\), A. Reeves-Daniel\(^2\), R. Detwiler\(^2\), E. Hartmann\(^2\), H. Jones\(^2\), B. Thrasher\(^3\), C. Zayas\(^10\), L. Mulloy\(^10\), S. Wright\(^11\), R. Patzer\(^1\), \(^1\)Emory University, Atlanta, GA, \(^2\)IPRO Network of the South Atlantic, Raleigh, NC, \(^3\)Duke University, Durham, NC, \(^4\)Medical University of South Carolina, Charleston, SC, \(^5\)Wake Forest Health Transplant Center, Winston-Salem, NC, \(^6\)UNC Center for Transplantation, Chapel Hill, NC, \(^7\)Piedmont Transplant Institute, Atlanta, GA, \(^8\)Vidant Medical Center Transplant Services, Greenville, NC, \(^9\)Carolina Transplant Center, Charlotte, NC, \(^10\)Augusta University, Augusta, GA, \(^11\)IPRO Network of the South Atlantic, Morrisville, NC

4:42 PM Racial and Ethnic Disparities in Access to Living Donor Kidney Transplantation in the US: Have We Made Any Progress among Pediatric Candidates over the Last Twenty Years? (Abstract #614)
T. Purnell\(^1\), S. Bae\(^1\), X. Luo\(^1\), A. Chen\(^1\), D. Crews\(^1\), L. Cooper\(^1\), O. N. Bignall II\(^1\), K. Covarrubias\(^1\), D. Segev\(^1\), \(^1\)Johns Hopkins School of Medicine, Baltimore, MD, \(^2\)Nationwide Children’s Hospital, Columbus, OH
4:54 PM Gender Disparity In Access To Liver Transplant Larger In White Than Black Patients (Abstract #615)
K. Guo, J. Peipert, M. Abecassis, L. Zhao, D. Ladner, Northwestern University, Chicago, IL

5:06 PM Women Who Undergo Liver Transplant Have Increased Health Care Utilization in the Peri-Transplant Period Compared with Men (Abstract #616)
J. B. Rubin, G. Cullaro, J. Ge, J. C. Lai, Department of Medicine, Division of Gastroenterology & Hepatology, University of California-San Francisco, San Francisco, CA

5:18 PM Association between a Chronic Kidney Disease Treatment Education Class and Receipt of a Kidney Transplantation in the Southeastern U.S. Population (Abstract #617)
J. C. Gander, L. Cromwell, A. S. Wilk, R. E. Patzer, M. Sesay, D. Walker-Williams, T. Davis, J. P. Austin, N. Mukerji, 1Kaiser Permanente, Atlanta, GA, 2Emory University, Atlanta, GA

5:30 PM Racial and Income-Based Disparities in Access to Kidney Transplantation in the Context of a Nationally-Financed Health System in Brazil (Abstract #618)
A. Saha, G. Ferreira, Y. Yu, M. Waldram, V. Colares, J. Bastos, M. Henderson, D. Segev, A. Massie, 1Surgery, Johns Hopkins School of Medicine, Baltimore, MD, 2Santa Casa de Misericordia de Juiz de Fora, Juiz de Fora, Brazil

5:42 PM Racial Disparity in Pre-Kidney Transplant Work-Up (Abstract #619)

Late Breaking Oral Abstract

Room: 206

4:30 PM Concentric Circles, One Year in: Concentrated Organ Discard and Waitlist Deaths in High Traffic Areas (Abstract #626)
R. J. Lynch, S. Karp, W. Chapman, Emory, Atlanta, GA, Vanderbilt, Nashville, TN, Washington University St. Louis, St. Louis, MO

4:42 PM Ultra-Short Duration Direct Acting Anti-Viral Prophylaxis to Prevent Virus Transmission from Hepatitis C Viremic Donors to Hepatitis C Negative Kidney Transplant Recipients (Abstract #627)

4:54 PM Treg Suppressor Function within Allografts is Required for Tolerance (Abstract #628)
J. Ossart, A. Pena, H. Dai, L. Bauer, A. Williams, G. Camirand, Surgery, University of Pittsburgh, Pittsburgh, PA

5:06 PM Treatment Modality Affects Outcomes of Recurrent Hepatocellular Carcinoma Following Liver Transplantation: A US Multicenter Analysis of 2786 Patients (Abstract #629)
P. Tabrizian, K. J. Halazun, M. L. Holzner, N. Mehta, F. Y. Yao, J. Roberts, J. C. Emond, B. Samstein, R. S. Brown, S. Florman, M. E. Schwartz, M. M. Doyle, W. C. Chapman, M. Najjar, R. W. Busuttil, V. G. Agopian, 1Transplant, Mount Sinai Medical Center, New York, NY, 2Transplant, Weill Cornell Medicine, New York, NY, 3Transplant, University of California San Francisco, San Francisco, CA, 4Transplant, Columbia University Medical Center, New York, NY, 5Transplant, Washington University School of Medicine, St Louis, MO, 6Transplant, David Geffen School of Medicine at UCLA, Los Angeles, CA
AMERICAN TRANSPLANT CONGRESS
Program, Tuesday, June 4, 2019

5:18 PM  After 10 Years: The Results of HLA Mismatched Combined Kidney and Bone Marrow Transplantation for Renal Allograft Tolerance (Abstract #630)
T. Kawai1, D. H. Sachs1, T. Spitzer1, N. Tolkoff-Rubin1, R. B. Colvin1, N. Elias1, M. Sykes2, A. Cosimi1, 1Massachusetts General Hospital, Boston, MA, 2Columbia University, NYC, NY

5:30 PM  Donate HCV Trial: Transplanting Thoracic Organs from Hepatitis C Donors to Uninfected Patients (Abstract #631)
A. E. Woolley1, S. K. Singh2, H. J. Goldberg3, M. M. Givertz4, M. R. Mehra4, A. Coppolino, III5, V. Cheng1, J. Fanikos6, D. P. Harrington’, H. R. Mallidi2, L. R. Baden1, 1Infectious Diseases, Brigham and Womens Hospital, Boston, MA, 2Cardiac and Thoracic Surgery, Brigham and Womens Hospital, Boston, MA, 3Pulmonary, Brigham and Womens Hospital, Boston, MA, 4Cardiology, Brigham and Womens Hospital, Boston, MA, 5Thoracic Surgery, Brigham and Womens Hospital, Boston, MA, 6Pharmacy, Brigham and Womens Hospital, Boston, MA, 7Department of Biostatistics and Computational Biology, Dana-Farber Cancer Institute, Boston, MA

5:42 PM  CNI-Free Therapy with Iscalimab (anti-CD40 mAb) Preserves Allograft Histology Compared to Standard of Care after Kidney Transplantation (Abstract #632)

Poster Session D – Presenters in Attendance

Hall C/D

Poster Viewing: 6:00 pm - 7:00 pm
Presenters in Attendance: 6:00 pm - 7:00 pm
Poster Session D can be found on pages 267-309.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td>7:00 am – 8:15 am</td>
<td>Sunrise Interactive (Continental Breakfast Included)</td>
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</tr>
<tr>
<td>Page 145</td>
<td>Optimizing Spend: Cost Saving Strategies in Transplantation</td>
<td>Room 302</td>
</tr>
<tr>
<td>Page 145</td>
<td>Controversies in Live Kidney Donor Selection and Care</td>
<td>Ballroom C</td>
</tr>
<tr>
<td>Page 145</td>
<td>Pros and Cons of Presumed Consent: Is Opt-In a Cop-Out?</td>
<td>Room 306</td>
</tr>
<tr>
<td>Page 146</td>
<td>Unlocking Concepts of VCA vs. Solid Organ Transplant</td>
<td>Room 310</td>
</tr>
<tr>
<td>Page 146</td>
<td>The Changing Face of Cholangiocarcinoma in 2019</td>
<td>Room 311</td>
</tr>
<tr>
<td>Page 146</td>
<td>Marginal Liver Organs: Have We Pushed the Limit?</td>
<td>Room 312</td>
</tr>
<tr>
<td>Page 146</td>
<td>The “OMICS” of Thoracic Organ Transplant</td>
<td>Room 304</td>
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<td>7:00 am – 8:15 am</td>
<td>Sunrise Didactic (Continental Breakfast Included)</td>
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<td>Page 147</td>
<td>T Cells Driving the Alloantibody Response</td>
<td>Ballroom A</td>
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<tr>
<td>8:15 am – 8:30 am</td>
<td>Break</td>
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<tr>
<td>8:30 am – 10:00 am</td>
<td>Plenary IV</td>
<td></td>
</tr>
<tr>
<td>Page 147</td>
<td>Veterans Auditorium</td>
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<td>10:00 am – 10:15 am</td>
<td>Coffee Break</td>
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</table>
Sunrise Symposia: Interactive (Continental Breakfast Included)  
7:00 am – 8:15 am

**Optimizing Spend: Cost Saving Strategies in Transplantation**

Room 302  
Moderators: Jamie Benken, PharmD, BCPS, University of Illinois at Chicago, Chicago, IL, USA. Dave Taber, PharmD, MS, Medical University of South Carolina, Charleston, SC, USA.

7:00 am  Thinking Strategically: How to Approach Cost Savings  
Nicole Pilch, PharmD, MSCR, Medical University of South Carolina, Charleston, SC, USA.

7:15 am  Delaying Valganciclovir: A Smart Move or Playing with Fire?  
Shree Patel, PharmD, BCPS, College of Pharmacy-Chicago Rockford, Chicago, IL, USA.

7:30 am  Cost Saving Strategies for Transplant Programs  
Gwen McNatt, MS, CNN, Northwestern Memorial Hospital, Chicago, IL, USA.

7:45 am  Getting the Underfunded Patient Out the Door  
Angela Maldonado, PharmD, CPP, Vidant Medical Center, Greenville, NC, USA.

8:00 am  Panel Discussion

**HCV-Viremic Recipients: The New Standard of Care?**

**Ballroom B**  
Moderators: David Goldberg, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA. Elizabeth Verna, MD, MS, Columbia University, New York, NY, USA.

7:00 am  HCV-Viremic Donors in Liver Recipients: When and How to Treat  
Robert S. Brown Jr., MD, MPH, Weill Cornell Medical College, New York, NY, USA.

7:20 am  HCV-Viremic Donors in Kidney Recipients: Impact on Wait Times and Post-Transplant Kidney Function  
Peter Reese, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA.

7:40 am  HCV-Viremic Donors in Heart and Lung Recipients: Novel Strategies and Post-Transplant Outcomes  
Marcelo Cypel, MD, MSc, University of Toronto, Toronto, Ontario.

8:00 am  Panel Discussion

**Controversies in Live Kidney Donor Selection and Care**

**Ballroom C**  
Moderators: Todd Pesavento, MD, The Ohio State University, Columbus, OH, USA. Arthur J. Matas, MD, University of Minnesota, Minneapolis, MN, USA.

7:00 am  Outcomes of Living Kidney Donation Among African American Donors and How One Could Use Transplant Models in Counseling  
Krista Lentine, MD, PhD, Saint Louis University, St. Louis, MO, USA.

7:20 am  Elevated Blood Pressure: Is It Ever Acceptable to Approve the Donor?  
Hassan Ibrahim, MD, MS, Houston Methodist Hospital, Houston, TX, USA.

7:40 am  Discrepancies in Kidney Size/Volume: How Do You Decide?  
Stuart M. Flechner, MD, FACS, Cleveland Clinic Lerner College of Medicine, Cleveland, OH, USA.

8:00 am  Panel Discussion

**Pros and Cons of Presumed Consent: Is Opt-In a Cop-Out?**

**Room 306**  
Moderators: Shelley Hall, MD, Baylor University Medical Center, Dallas, TX, USA. Linda Ohler, MSN, FAAN, New York University Langone Health, New York, NY, USA.

7:00 am  Debate - Pro: Presumed Consent: Is Opt-in a Cop-Out  
Amy Friedman, MD, LiveOnNY, New York, NY, USA.
7:20 am Debate - Con: Presumed Consent: Is Opt-in a Cop-Out
Charlie Miller, MD, Cleveland Clinic, Cleveland, OH, USA.

7:40 am Pro: Rebuttal
Amy Friedman, MD, LiveOnNY, New York, NY, USA.

7:50 am Con: Rebuttal
Charlie Miller, MD, Cleveland Clinic, Cleveland, OH, USA.

8:00 am Panel Discussion

Unlocking Concepts of VCA vs. Solid Organ Transplant

Room 310
Moderators: Hatem Amer, MD, Mayo Clinic, Rochester, MN, USA. Andreas Tzakis, MD, Cleveland Clinic, Weston, FL, USA.

7:00 am VCA vs. SOT: Innate - Adaptive Immune Interface
Jerzy W. Kupiec-Weglinkski, MD, University of California-Los Angeles, Los Angeles, CA, USA.

7:20 am Nerve Regeneration and Autoimmunity
Rolf Barth, MD, University of Maryland, Baltimore, MD, USA.

7:40 am How Qualitative Research Informs Clinical Decision Making in VCA
Sheila G. Jowsey-Gregorie, MD, Mayo Clinic, Rochester, MN, USA.

8:00 am Panel Discussion

The Changing Face of Cholangiocarcinoma in 2019

Room 311
Moderators: Keri Lunsford, MD, PhD, Houston Methodist Hospital, Houston, TX, USA. Anjana Pillai, MD, University of Chicago Medicine, Chicago, IL, USA.

7:00 am Liver Transplantation for Intrahepatic Cholangiocarcinoma – Can It Work?
Mark Ghobrial, MD, PhD, Houston Methodist Hospital, Houston, TX, USA.

7:20 am The Promise of New Systemic Therapy for Cholangiocarcinoma and its Implications on Liver Transplantation
Rachna T. Shroff, MD, MS, University of Arizona Cancer Center, Tucson, AZ, USA.

7:40 am Panel Discussion

Marginal Liver Organs: Have we Pushed the Limit?

Room 312
Moderators: Walid Ayoub, MD, FAASLD, Cedars Sinai Medical Center, Los Angeles, CA, USA. George Loss JR., MD, FACS, Ochsner, New Orleans, LA, USA.

7:00 am Should I Transplant this Liver? (Surgeon Perspective)
Karim Halazun, MD, New York Presbyterian, New York, NY, USA.

7:20 am Should My Patient Consider this Offer? (Hepatologist Perspective)
David Douglas, MD, FAST, Mayo Clinic, Phoenix, AZ, USA.

7:40 am What Does the Patient Under About this Liver? (Medical Ethicist Perspective on Informed Consent in Marginal Organ Transplantation)
Elisa J. Gordon, PhD, MPH, Northwestern University, Chicago, IL, USA.

8:00 am Panel Discussion

The “OMICS” of Thoracic Organ Transplantation

Room 304
Moderators: Sundaram Hariharan, MD, Starzl Transplant Institute, Pittsburgh, PA, USA. Howard J. Eisen, MD, Pennsylvania State College of Medicine, Hershey, PA, USA.

7:00 am Intragraft Genomics and Allograft Rejection (INTERHEART and INTERLUNG)
Brendan Keating, D.Phil., University of Pennsylvania, Philadelphia, PA, USA.
AMERICAN TRANSPLANT CONGRESS
Program, Wednesday, June 5, 2019

7:20 am  Epigenetics, microRNA, Transcriptome
Thalachallour Mohanakumar, PhD,
Norton Thoracic Institute, St. Joseph’s
Hospital & Medical Center, Phoenix, AZ, USA.

7:40 am  Exosomes and Proteomics
Prashanth Vallabhajosyula, MD,
MS, Hospital of the University of
Pennsylvania, Philadelphia, PA, USA.

8:00 am  Panel Discussion

Sunrise Symposia: Didactic (Continental
Breakfast Included)
7:00 am – 8:15 am

T Cells Driving the Alloantibody Response
Ballroom A
Moderators: Paolo Cravedi, MD, PhD, Icahn School
of Medicine at Mount Sinai, New York, NY, USA.
Melissa Yeung, MD, Harvard Medical School,
Boston, MA, USA.

7:00 am  T Follicular Cells in Alloimmunity
Gavin Pettigrew, Dr, University of

7:20 am  Audience Discussion

7:25 am  Follicular Regulatory T Cells
Peter Sage, PhD, Harvard University,
Boston, MA, USA.

7:45 am  Audience Discussion

7:50 am  Human Circulating T Follicular Helper
Cells
Diana Metes, MD, Starzl Transplant
Institute; University of Pittsburgh,
Pittsburgh, PA, USA.

Break
8:15 am - 8:30 am

Plenary Session IV
8:30 AM - 10:00 AM

Veterans Auditorium
Chairs: Devin Eckhoff, MD, ATC Program Chair,
ASTS, Birmingham, AL and Ronald Gill, PhD, FAST,
ATC Program Chair, AST, Aurora, CO.

8:30 AM Three-Year Outcomes of Highly-
Sensitized Kidney Transplant
Recipients Desensitized with Imlifidase
(Ides) (Abstract #620)
E. Huang¹, J. Choi¹, A. Vo¹, A. Peng¹,
R. Najjar¹, S. Sethi¹, C. Kjellman², L.
Winstedt², N. Ammerman¹, S. C. Jordan¹,
¹Cedars Sinai Medical Center, Los
Angeles, CA, ²Hansa Medical, Lund,
Sweden.

8:45 AM Central Role of Graft Resident Memory
T Cells in Pathogenesis of GVHD after
Bowel Transplantation (Abstract #621)
J. Weiner, N. Svetlicky, J. Schmidt, S.
Moturi, O. Aguirre, J. Kang, M. Sadat,
K. Khan, J. Hawksworth, C. Matsumoto,
T. Fishbein, A. Kroemer, MedStar
Georgetown Transplant Institute,
Washington, DC

9:00 AM ABO Incompatibility in Kidney
Transplantation Can Increase a Safety
Margin of Epitope Mismatch Levels
against De Novo DSA Production
(abstract #622)
T. Kobayashi¹, K. Iwasaki¹, M. Okada²,
K. Horimi¹, Y. Matsuoka¹, A. Takeda²,
N. Goto², S. Narumi³, Y. Watarai³, ¹Aichi
Medical University School of Medicine,
Nagakute, Japan, ²Nagoya Daini Red
Cross Hospital, Nagoya, Japan.
9:15 AM  Alloreactive B Cells in Transplant Tolerant Recipients Cannot Differentiate into Antibody-Secreting Cells but Can Suppress Donor-Specific IgG Production By Naïve B Cells (Abstract #623)
S. H. Khiew¹, J. Chen¹, D. Jain¹, Q. Wang¹, D. Yin¹, M. Alegre², A. S. Chong¹,
¹Department of Surgery, Section of Transplant, University of Chicago, Chicago, IL, ²Department of Medicine, University of Chicago, Chicago, IL

9:30 AM  Long Term Renal Function Following Islet Transplantation in the Clinical Islet Transplantation Consortium (Abstract #624)
L. G. Hunsicker¹, T. L. Eggerman², M. R. Rickels³, ¹Clinical Islet Transplantation (CIT) Consortium⁴, ¹Internal Medicine, U. Iowa, Iowa City, IA, ²NIDDK/NIH, Bethesda, MD, ³Internal Medicine, U. Pennsylvania, Philadelphia, PA, ⁴Internal Medicine, University of Iowa, Iowa City, IA

9:45 AM  Intact Lymphatics Are Essential for Costimulation Blockade-Induced Lung Allograft Survival (Abstract #625)
L. Wang¹, H. Reed², R. Han¹, M. Kahn², W. W. Hancock¹, ¹Children’s Hospital of Philadelphia, Philadelphia, PA, ²University of Pennsylvania, Philadelphia, PA

Coffee Break
10:00 am – 10:15 am
Foyers of Hall C&D

People’s Choice Awards
10:15 am – 11:30 am
Veterans Auditorium
ATC’s People’s Choice Awards allow attendees to have the opportunity to engage in providing feedback on plenary abstracts and have a new way to view and learn about content.
At the end of each daily Plenary Session, attendees will vote on which Plenary Abstract is the MOST impactful to the Transplant Community. A daily winner will be selected. The daily winner will then present in the final session, ATC’s People’s Choice Award Session.
**Poster Session A: Acute Rejection**

**Poster Viewing:** 5:30 pm - 7:30 pm
**Presenters in Attendance:** 5:30 pm - 7:30 pm
**Hall C & D**

A# indicates the board location where the poster will be displayed.

† Those posters identified as an ATC Poster of Distinction by this symbol have received review scores that place them in the top 10% of their category. The Planning Committee encourages you to make them a priority when you visit the poster session.

**Poster Session A**

**Poster Session A: Acute Rejection**

**Poster Viewing:** 5:30 pm - 7:30 pm
**Presenters in Attendance:** 5:30 pm - 7:30 pm
**Hall C & D**

A# indicates the board location where the poster will be displayed.

† Those posters identified as an ATC Poster of Distinction by this symbol have received review scores that place them in the top 10% of their category. The Planning Committee encourages you to make them a priority when you visit the poster session.

**A1** Molecular Microscope Proves i-IFTA Lack of Specificity
A. Perkowska-Ptasinska¹, M. Ciszek², D. Deborska-Materkowska¹, A. Debska-Slizien³, P. F. Halloran⁴, M. Myslak⁵
¹Warsaw Medical University, Warsaw, Poland, ²Department of Immunology, Transplantology and Internal Diseases, Warsaw Medical University, Warsaw, Poland, ³Gdansk Medical University, Gdansk, Poland, ⁴ATAGC, University of Alberta, Edmonton AB, AB, Canada, ⁵Pomeranian Medical University, Szczecin, Poland

**A2** T Cell Repertoire of Tissue Infiltrating T-cells at Time of Rejection
R. Reindl-Schwaighofer¹, J. Vetter², J. Weinberger³, S. Schaller², A. Heinzel¹, G. Gualdoni¹, C. Aschauer¹, K. Jelencsics¹, K. Hu¹, S. Winkler², R. Oberbauer¹
¹Nephrology, Medical University of Vienna, Vienna, Austria, ²University of Applied Sciences Upper Austria, Hagenberg, Austria, ³Austrian Red Cross, Vienna, Austria

**A3** RNA Sequencing Guided Identification of Shared mRNAs in Human Kidney Allograft Recipients with Acute T Cell Mediated Rejection or Active Antibody Mediated Rejection
B. Dooley¹, A. Verma², R. Ding¹, C. Li¹, C. Snopkowski¹, H. Yang¹, B. Botticelli¹, S. Albakry¹, E. Edusei¹, T. Muthukumar¹, M. Lubetzky¹, D. Dadhania¹, J. Lee¹, O. Elemento², M. Suthanthiran¹
¹Transplantation Medicine, Weill Cornell Medical College, New York, NY, ²Institute for Computational Biomedicine, Weill Cornell Medical College, New York, NY

**A4** Single Cell Analysis of Kidney Allograft Rejection
C. M. Castro-Rojas¹, K. M. Roskin², C. G. Moore², B. Abu Jawdeh³, N. Salomonis², R. R. Alloway¹, E. Woodie⁴, D. A. Hildeman¹, ¹Immunobiology, Cincinnati Children’s Hospital, Cincinnati, OH, ²Biomedical Informatics, Cincinnati Children’s Hospital, Cincinnati, OH, ³Internal Medicine, University of Cincinnati College of Medicine, Cincinnati, OH, ⁴Transplantation, University of Cincinnati College of Medicine, Cincinnati, OH

**A5** Integrative Analysis of Immune Repertoire and Gene Expression from RNA-seq in Kidney Organ Transplants
S. Pineda¹, A. Ravoo², O. Bestard³, M. Sarwal¹, M. Sirotas³, ¹Department of Surgery, UCSF, San Francisco, CA, ²BCHSI, UCSF, San Francisco, CA, ³Department of Surgery, 3Bellvitge University Hospital, Barcelona, Spain

**A6** Analysis of Immune Cell Proportions in Kidney Transplant Biopsies of Acute Cellular Rejection and Antibody Mediated Rejection Compared with Non-Rejecters
C. R. Dor³, A. Muthusamy¹, D. P. Schladi¹, W. Guan², B. Wu², J. S. Maltzman³, W. S. Oetting³, P. A. Jacobson², A. K. Israni¹, ¹Hennepin Healthcare Research Institute, Minneapolis, MN, ²University of Minnesota, Minneapolis, MN, ³Stanford University, Palo Alto, CA

**A7** Immunomics of Renal Allograft Acute T-Cell Mediated Rejection Biopsies of Tacrolimus- and Belatacept- Treated Patients
M. van der Zwan¹, C. C. Baan¹, R. C. Colvin², R. N. Smith², R. A. White³, D. N. Ndishabandi³, A. L. Nigg¹, T. P. van den Bosch¹, G. N. de Graaf¹, M. C. Claasen-van Groningen¹, D. A. Hesselink¹
¹Internal Medicine, Division Nephrology and Transplantation, Erasmus MC, Rotterdam, Netherlands, ²Pathology, Massachusetts General Hospital/Harvard Medical School, Boston, MA
A8  Quantitative Proteome Profiling in T Cell-Mediated Rejection
L. Song1, G. Zeng2, P. Liu3, F. Fang4, H. Liu4, X. Xie3, P. Randhawa3, K. Xiao1, 1Department of Urological Organ Transplantation, The Second Xiangya Hospital, Central-South University, Changsha, China, 2Department of Pathology, University of Pittsburgh Medical Center, Pittsburgh, PA, 3Department of Biostatistics, Graduate School of Public Health, and Departments of Pharmacology and P, University of Pittsburgh Medical Center, Pittsburgh, PA, 4Department of Pharmacology and Chemical Biology, School of Medicine, University of Pittsburgh, Pittsburgh, PA

A9  † Single Cell RNA-seq Analysis of Antibody-Mediated Rejection Reveals Endothelial - Pericyte NOTCH Signaling
A. F. Malone, A. Chadha, H. Wu, S. Ramakrishnan, E. Donnelly, B. D. Humphreys, Washington University School of Medicine, Saint Louis, MO

A10  † Multiplexed Droplet Single-Cell RNA-Sequencing for Cellular Profiling of Transplant Rejection
A. Schroeder, T. Sigdel, I. Damm, S. Sur, G. Hartoularos, J. Ye, M. Sanwal, Department of Surgery, UCSF, San Francisco, CA

A11  Effect of Chronic Kidney Disease on Allo-Immune Response in Mice
P. D. Winterberg1, H. Li1, M. E. Wagener2, M. L. Ford2, 1Pediatrics, Emory University School of Medicine, Atlanta, GA, 2Surgery, Emory University School of Medicine, Atlanta, GA

A12  Dual Treatment of CD40 Silencing or Mesenchymal Stem Cells Infusion with Sub-Therapeutic Doses of Cyclosporine Effectively Prevents Acute Rejection in an Allogenic Model of Renal Transplantation
J. Guiteras1, L. De Ramon1, N. Bolaños1, M. Franquesa2, M. Gomà3, J. Cruzado4, N. Lloberas1, J. Grinyó4, J. Torras1, 1IDIBELL, Hospital de Llobregat, Spain, 2IGTP, Badalona, Spain, 3Bellvitge Hospital, Hospital de Llobregat, Spain, 4Bellvitge Hospital / IDIBELL, Hospital de Llobregat, Spain

A13  † Differential Impact of Donor and Recipient Age on Post-Lung Transplantation Outcomes
K. Patel1, C. Li1, C. Wallace1, J. Kilkenny1, D. P. Allen1, S. Nadig1, M. Goddard2, C. Krieg1, C. Atkinson1, 1Surgery, Medical University of South Carolina, Charleston, SC, 2Pathology, Royal Papworth Hospital NHS Trust, C, SC

A14  Exosomes Isolated from Human Lung Transplant Recipients Diagnosed with Bronchiolitis obliterans Syndrome are Unique in Their Ability to Induce IL-6 via Rab27A Signaling Pathway
M. Rahman, M. Sharma, S. Angara, M. Smith, R. Bremner, T. Mohanakumar, Norton Thoracic Institute, St. Joseph’s Hospital and Medical Center, Phoenix, AZ

A15  A Novel Ex Vivo Normothermic Perfusion Model of Human Antibody Mediated Rejection
P. Chandak1, B. L. Phillips1, R. Uwechue1, C. J. Callaghan1, O. Shaw2, T. Maggs3, L. Woodford3, D. Veniard3, R. Perera4, K. Parmar4, B. Hunt6, D. Bennett6, N. Kessaris1, A. Dorling7, N. Mamode1, 1Transplantation, Guy’s and St Thomas Hospitals NHS Trust and King’s College London, London, United Kingdom, 2Transplantation and CTL Laboratory, Guy’s and St Thomas Hospitals NHS Trust and King’s College London, London, United Kingdom, 3Haematology and Thrombosis, Guy’s and St Thomas Hospitals NHS Trust, London, United Kingdom, 4Histopathology, Guy’s and St Thomas Hospitals NHS Trust, London, United Kingdom, 5Haematology and Thrombosis, Guy’s and St Thomas Hospitals NHS Trust and King’s College London, London, United Kingdom, 6Interface Physics, University of Bristol, London, United Kingdom, 7Inflammation, Thrombosis and Repair and Transplantation, Guy’s and St Thomas Hospitals NHS Trust and King’s College London, London, United Kingdom
A16 Depletional Induction Therapy in Non-Human Primates - Preclinical Modeling of Polyclonal Depletion with Rhesus-Specific ATG
R. Schmitz¹, M. S. Mulvihill¹, P. M. Schroder¹, Z. Fitch¹, F. Leopardi¹, D. Magnani², J. Kwun¹, S. J. Knechtle¹, A. D. Kirk¹, ¹Surgery, Duke University Medical Center, Durham, NC, ²University of Massachusetts Medical School, Boston, MA

A17 Inhibition of Autophagy Prolongs Recipients Survival through Accelerating CD8+ T Cell Apoptosis in a Rat Liver Transplantation Model
X. Chen¹, Q. Yang¹, X. Li², Y. Deng¹, G. Chen¹, G. Wang¹, ¹Department of Hepatic Surgery, Liver Transplantation, The Third Affiliated Hospital of Sun Yat-Sen University, Guangzhou, China, ²Guangdong Key Laboratory of Liver Disease Research, The Third Affiliated Hospital of Sun Yat-Sen University, Guangzhou, China

A18 † BTLA Suppressed Acute Rejection by Regulating T Cell Receptor Downstream Signal Pathways and Cytokine Production in Renal Transplant and Contributed to Prolongation of Allograft Survival
J. Zhang, Z. Wang, S. Fei, H. Chen, L. Sun, Z. Han, J. Tao, X. Ju, R. Tan, M. Gu, No.300 Guangzhou Road of Nanjing, Nanjing, China

A19 Expression of Prostaglandin E2 Receptors Track with Rejection in Porcine Kidney Transplants
A. Harner¹, Y. Wang², X. Fang², R. Lassiter¹, T. D. Merchen¹, S. Ho³, S. Nahman Jr², ¹Surgery, Augusta University, Augusta, GA, ²Nephrology, Augusta University, Augusta, GA, ³Gift of Life Michigan, Ann Arbor, MI

A20 Timing and Donor-Specific Antibodies, but Not C4d Deposition, Determine Leukocyte Infiltration in Renal Allograft Biopsies with the Histological Picture of Antibody-Mediated Rejection
J. Callemeyn¹, A. Senev¹, E. Lerut², M. Coemans¹, D. Kuypers¹, W. Gwinner³, M. Essig⁴, D. Anglicheau⁵, P. Marquet⁶, M. Naesens¹, ¹Department of Microbiology and Immunology, KU Leuven, Leuven, Belgium, ²Department of Pathology, University Hospitals Leuven, Leuven, Belgium, ³Department of Nephrology, Hannover Medical School, Hannover, Germany, ⁴Department of Nephrology, Dialysis and Transplantation, University of Limoges, Limoges, France, ⁵Necker-Enfants Malades Institute, French National Institute of Health and Medical Research U1151, Paris, France, ⁶U850 INSERM, University of Limoges, Limoges, France

A21 Conceptual Extension of SNP Based Abundance Profiling to Infer Donor Derived Cell-Free DNA Fraction as an Indication of Organ Rejection

A22 Replication of Diagnostic Biomarkers Using Orthogonal State-of-the-Art Technologies

A23 Recipient Monocytes Activated by Endobronchial Toll-Like Receptor 2 Agonist Prevent Tolerance Induction after Lung Transplantation
S. Tanaka¹, J. M. Gauthier¹, Y. Terada¹, T. Takahashi¹, W. Li¹, R. Higashikubo¹, A. Y. Tong¹, V. Puri¹, A. S. Krupnick², A. E. Gelman¹, D. Kreisel¹, ¹Department of Surgery, Washington University in St. Louis, St. Louis, MO, ²Department of Surgery, The University of Virginia, Charlottesville, VA
| Poster Session A: Antigen Presentation / Allorecognition / Dendritic Cells |
|----------------------------------|----------------------------------|
| **A24** | Donor-derived Cell-free DNA in Donor Specific Antibody Positive Kidney Transplant Recipients |
| D. Cheng¹, X. Li², T. Jiang², H. Liu², Y. Zhou³, H. Shi³, 'National Clinical Research Center of Kidney Diseases, Jinling Hospital, Nanjing University School of Medicine, Nanjing, China, 2Research and Development, AlloDx Biotech Co., Ltd., Suzhou, China, 3Precise Medicine Center, Biology and Science School, Jiangsu University, Zhenjiang, China |

| **A25** | Promoting Mitochondrial Fusion Alters the Interaction between Endothelial Cells and T Cells in Models of Transplantation |
| D. T. Tran, C. Atkinson, S. N. Nadig, Medical University of South Carolina, Charleston, SC |

| **A26** | Gut Microbiome and Acute Rejection After Kidney Transplantation |
| H. Cho¹, Y. Yang¹, J. Kim², J. Moon², J. Jeong², J. Park³, M. Kwak¹, B. Kim³, D. Kim³, J. Lee³, B. Kim³, Y. Kim³, H. Lee³, ¹Internal Medicine, Chungbuk National University Hospital, Cheongju, Korea, Republic of, ²Internal Medicine, Seoul National University Hospital, Seoul, Korea, Republic of, ³Internal Medicine, Kangwon National University Hospital, Chuncheon, Korea, Republic of, ⁴ChunLab Inc., Seoul, Korea, Republic of, ⁵Internal Medicine, Seoul National University, Boramae Hospital, Seoul, Korea, Republic of, ⁶Hallym University, Chuncheon, Korea, Republic of |

| **A27** | Clonal Composition and Single-cell Characterization of T-cell Infiltrates in Cardiac Allograft Vasculopathy |
| M. V. Habal¹, A. Myung², H. Yan², S. Rao², S. Lin², S. See², P. Roy², R. Shihab², C. Marboe³, S. Restaino¹, A. Han², M. Givertz⁴, J. C. Madsen⁴, L. Addonizio¹, M. Farr¹, E. Zorn², 'Cardiology, Columbia University Medical Center, New York, NY, ²Columbia Center for Translational Immunology, Columbia University Medical Center, New York, NY, ³Pathology, Columbia University Medical Center, New York, NY, ⁴Cardiology, Brigham and Women’s Hospital, Boston, MA, ⁵Surgery, Massachusetts General Hospital, Boston, MA |

| **A28** | In Vitro Model to Study the Effect of Irradiation Preconditioning on Alloimmune Responses: Development of Potential Predictive Markers |
| K. Shimozawa, K. Janec, L. Contreras-Ruiz, E. C. Guinan, Radiation Oncology, Dana-Farber Cancer Institute, Boston, MA |

| **A29** | The Impact of Biological Behavior of Allograft Infiltrating Lymphocytes during Early Phase |

| **A30†** | IgG Glycosylation Causes Podocyte Injury in Transplant Glomerulopathy through Calcium Calmodulin Kinase IV |
| R. Bhargava, K. Maeda, M. Pavlakis, G. Tsokos, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA |
A31 † Natural Anti-a Antibody Production In Mice Is Cd4 T Cell-independent
I. Adam¹, B. Motyka², L. West³, ¹Medical Microbiology & Immunology, University of Alberta, Edmonton, AB, Canada, ²Pediatrics, University of Alberta, Edmonton, AB, Canada, ³Pediatrics, Surgery, Immunology, Lab Medicine & Canadian Donation and Transplant Research Program, University of Alberta, Edmonton, AB, Canada

A32 † Effects of Standard Drug Immunosuppression on Peripheral Transitional B Cells and Gene Expression in Non-Human Primates
A. Bean¹, J. Paster¹, K. Pruner¹, J. O¹, W. Sommer², K. Robinson³, I. Hanekamp¹, G. Benichou¹, J. Madsen¹, ¹Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Klinik fur Herz Thorax Transplantation, Medizinische Hochschule Hannover, Hannover, Germany, ³Beth Israel Deaconess Medical Center, Boston, MA

A33 APRIL-/-/BLyS-/- Deplete Antibody Secreting Cells and Alloantibody Production in Sensitized Antibody Mediated Rejection Model
N. Bath, B. Verhoven, N. Wilson, R. Redfield III, University of Wisconsin, Madison, WI

A34 Differential Expression of B Cell Activating Factor in Experimental Models of Acute and Chronic Active Antibody-Mediated Rejection
S. Reese, N. Wilson, L. Ptak, R. Redfield, A. Djamali, S. E. Panzer, University of Wisconsin Madison, Madison, WI

A35 Comparison of Isolated Transplant Glomerulopathy with Chronic Antibody-Mediated Rejection in Regards to Endothelial-to-Mesenchymal Transition and Graft Survival
B. H. Ozdemir¹, F. N. Ozdemir², G. Moray³, M. Haberal³, ¹Pathology, Baskent University, Ankara, Turkey, ²Nephrology, Baskent University, Ankara, Turkey, ³Transplantation, Baskent University, Ankara, Turkey

A36 IL-1β and IL-6 Facilitate T Cell Reconstitution in Heart Allograft Recipients Treated with Anti-Thymocyte Globulin
S. Hasgur, R. Fan, A. Valujskikh, Inflammation and Immunity, Cleveland Clinic, Cleveland, OH

A37 Identification of Antibodies Reactive to Vimentin in a Rat Kidney Transplant Model of Chronic Antibody-Mediated Rejection
S. Reese, N. Wilson, L. Ptak, J. Sullivan, W. Burlingham, A. Djamali, S. E. Panzer, University of Wisconsin Madison, Madison, WI

A38 † Treg Plasticity is Induced by ENV,HERV1_I and UPR Activation in De Novo Autoimmune Hepatitis
J. Yao¹, A. Ling¹, A. Arterbery¹, Y. Avitzur², S. Lobritto³, M. Martinez³, J. Ekowski¹, ¹Yale University, New Haven, CT, ²University of Toronto, Toronto, ON, Canada, ³Columbia University, New York, NY

A39 † Interleukin-27 is Required for Donor Specific Antibody Production in Response to Heart Allograft Transplantation
M. Nicosia, S. Miyairi, R. Fan, A. Beavers, V. Gorbacheva, A. Valujskikh, Inflammation and Immunity, Lerner Research Institute, Cleveland Clinic, Cleveland, OH

A40 Natural Antibodies and Left Ventricular Assist Device Complications
S. B. See¹, A. Pinsino², R. Shihab¹, N. Kunimune¹, D. Onat², E. Hittesdorf³, A. R. Garan², V. K. Topkara², Y. Naka³, H. Takayama³, K. Takeda³, P. Colombo², M. Yuzefpoluska³, G. Wagener³, E. Zorn¹, ¹Columbia Center for Translational Immunology, Columbia University, New York, NY, ²Division of Cardiology, Columbia University, New York, NY, ³Department of Anesthesiology, Columbia University, New York, NY
A41 Non-HLA Antibodies against Structural and Non-Structural Target in C4d Negative Antibody Mediated Rejections after Renal Transplantation
S. Kanangat¹, I. Kurbergovic-Skaljic², D. Cimbaluk², M. Oppermann³, S. Jensk³, E. Hollinger³, O. Olaitan⁴, R. DeCresce⁵,
¹Tumor Immunology, NIH/NCI Bethesda MD, USA, Bethesda, MD, ²Pathology, Rush University Medical Center, Chicago, IL, ³Surgery, Rush University Medical Center, Chicago, IL, ⁴Tumor Immunology, Rush University Medical Center, Chicago, IL

A42 Iguratimod Attenuates the Production of Donor Specific Antibody by Inducing CD19+Tim-1+ Regulatory B Cells and Imbalance of Th17 Treg
Z. Wang, S. Fei, H. Chen, Z. Han, L. Sun, J. Tao, X. Ju, M. Zheng, R. Tan, M. Gu, No.300 Guangzhou Road of Nanjing, Nanjing, China

A43 JAK Inhibitor as a Novel Conditioning Approach to Establish Mixed Chimerism and Prevent Type 1 Diabetes Nonmyeloablatively
H. Xu¹, A. Merchak¹, J. Xu², Y. Huang¹, S. T. Ildstad¹, ¹University of Louisville, Institute for Cellular Therapeutics, Louisville, KY, ²DuPont Manual High School, Louisville, KY

A44 Development of Non-Human Leukocyte Antigen Antibodies in Cardiac Antibody-Mediated Rejection
S. B. See¹, B. S. Mantell², K. J. Clerkin³, B. Ray⁴, E. R. Vasilescu⁵, C. Marboe⁶, Y. Naka⁶, S. Restaino⁷, P. C. Colombo⁸, L. J. Addonizio⁹, M. A. Farr¹⁰, E. Zorn¹¹, ¹Columbia Center for Translational Immunology, Columbia University, New York, NY, ²Department of Pediatrics, Columbia University, New York, NY, ³Division of Cardiology, Columbia University, New York, NY, ⁴Immucon, Georgia, GA, ⁵Department of Pathology and Cell Biology, Columbia University, New York, NY, ⁶Department of Surgery, Columbia University, New York, NY

A45 B Cell Immunophenotypes in Transplantation
M. Cascalho¹, M. de Mattos-Barbosa², E. A. Farkash³, J. L. Platt⁴, ¹University of Michigan, Ann Arbor, MI, ²Surgery, University of Michigan, Ann Arbor, MI, ³Pathology, University of Michigan, Ann Arbor, MI

A46 Kidney Allograft Recipient Absence of Myeloperoxidase Decreases Donor-Specific Antibody Titers and Attenuates Antibody-Mediated Allograft Rejection
S. Miyairi, N. Dvorina, A. Valujuskikh, W. M. Baldwin 3rd, R. L. Fairchild, Immunology, Cleveland Clinic Lerner Institute, Cleveland, OH

A47 TACI Polymorphisms Associated with Increased Alloimmunity and Allograft Rejection
M. Garcia de Mattos-Barbosa¹, E. A. Farkash², J. L. Platt¹, M. Cascalho¹, ¹Transplant Surgery, University of Michigan, Ann Arbor, MI, ²Pathology, University of Michigan, Ann Arbor, MI

A48 Increasing Expression of B-cell Maturation Antigen during the Development of Recall Antibody Responses: A Prospective Pharmaceutical Target for B-cell Suppression?
G. Wu, I. Kim, N. Chai, A. Klein, S. Jordan, Cedars-Sinai Med Ctr, Los Angeles, CA

A49 CD19+Tim-1+ Regulatory B Cells Mediate the Balance of Th17 Treg to Decrease the Level of Donor-Specific Antibodies in Mice Secondary Skin Transplantation Model
Z. Wang, S. Fei, H. Chen, L. Sun, Z. Han, J. Tao, X. Ju, R. Tan, M. Gu, No.300 Guangzhou Road of Nanjing, Nanjing, China

A50 AMD3100 and Low-Dose FK506 Prevent De Novo Donor Specific Antibody Formation and Rejection in a Sensitized Kidney Transplantation Model
A. R. Ahmadi, L. Qi, R. N. Wesson, A. M. Cameron, Z. Sun, Johns Hopkins University School of Medicine, Baltimore, MD
A51  BCMA Expression by Alloreactive B Cells Increases during De Novo Alloantibody Responses
N. Chai, G. Wu, I. Kim, A. Klein, S. Jordan, Comprehensive Transplant Center, Cedars-Sinai Med Ctr, Los Angeles, CA

A52  † In Vitro Model for Detection of HLA Antibodies from Long Lived Plasma Cells
M. Merzkani‡, N. Moore⁴, X. Benavides⁴, B. Smith⁴, W. Park⁴, A. Bentall⁴, K. Medina⁵, M. Gandhi³, M. Stegall¹, ¹Transplant, Mayo Clinic, Rochester, MN, ²Immunology, Mayo Clinic, Rochester, MN, ³Transfusion Medicine, Mayo Clinic, Rochester, MN

A53  Psychosocial Factors and Medication Adherence among Recipients of Vascularized Composite Allografts
S. Rasmussen¹, M. Henderson¹, C. Cooney¹, J. Shores¹, W. Lee¹, E. Goldman², C. Kaufman², D. Segev³, G. Brandacher¹, ¹Johns Hopkins University School of Medicine, Baltimore, MD, ²Washington University in St. Louis School of Medicine, St. Louis, MO, ³The University of Massachusetts Medical School, Worcester, MA, ⁴Kaohsiung Medical University Hospital, Kaohsiung, Taiwan, ⁵Kaohsiung Medical University Hospital, Kaohsiung, Taiwan

A54  A Novel Multi-Thermic, Antiseptic, and Anthropomorphic System for Ex-Vivo Face Perfusion
J. W. Etra¹, J. Brassil², F. A. Chang¹, S. A. Fidder¹, D. S. Cooney¹, G. Brandacher¹, ¹Johns Hopkins University School of Medicine, Baltimore, MD, ²Functional Circulation LLC, Northbrook, IL

A55  Trends in Vascularized Composite Allograft Transplantation in the United States
J. Wainright¹, C. Wholley², W. Cherikh¹, D. Klassen³, ¹Research, UNOS, Richmond, VA, ²Policy and Community Relations, UNOS, Richmond, VA, ³Office of Chief Medical Officer, UNOS, Richmond, VA

A56  Regulatory T Cells Combined with Costimulation Blockade Prevent Rejection of Vascularized Composite Allografts
B. Oh¹, G. Furtmüller¹, M. Grzelak¹, L. Vuong², M. Iglesias¹, M. Fryer³, D. Cooney¹, R. Chen⁵, Y. Guo⁵, W. Lee¹, G. Raimondi¹, G. Brandacher¹, ¹Johns Hopkins University School of Medicine, Baltimore, MD, ²Washington University in St. Louis School of Medicine, St. Louis, MO, ³The University of Massachusetts Medical School, Worcester, MA, ⁴Kaohsiung Medical University Hospital, Kaohsiung, Taiwan, ⁵Kaohsiung Medical University Hospital, Kaohsiung, Taiwan

A57  Uterus Transplantation: Recipient Surgery
L. Johannesson, A. Wall, J. Bayer, G. J. McKenna, G. Testa, Simmons Transplant Institute, Baylor University Medical Center, Dallas, TX

A58  Characterization of Innate Lymphoid Cells in Full Facial and Limb Transplant Recipients
T. J. Borges¹, J. T. O’Malley², B. Kollár², B. Pomahac³, S. G. Talbot³, L. V. Riella¹, ¹Schuster Transplantation Research Center, Brigham & Women’s Hospital, Harvard Medical School, Boston, MA, ²Department of Dermatology, Brigham & Women’s Hospital, Harvard Medical School, Boston, MA, ³Division of Plastic Surgery, Department of Surgery, Brigham & Women’s Hospital, Harvard Medical School, Boston, MA

A59  Mechanical Irritation in Vascularized Tissue Allotransplantation Triggers Localized Skin Rejection
F. Messner, A. Fischer, E. Runggaldier, S. Eiter, B. Zelger, B. Zelger, S. Sprung, D. Öfner, S. Schneeberger, T. Hautz, Department of Visceral, Transplant and Thoracic Surgery, Medical University of Innsbruck, Innsbruck, Austria
| A60 | Efficacy of Photobiomodulatory Therapy Combined with Short-Term Immunosuppressants Prolonged Allograft Survival in a Rodent Hind-Limb Model
Y. Kuo¹, Y. Li¹, C. Chen¹, R. Chen¹, G. Brandacher², ¹Division of Plastic Surgery, Department of Surgery, Kaohsiung Medical University Hospital, Kaohsiung, Taiwan, ²Department of Plastic Surgery, VCA center, Johns Hopkins University, Baltimore, MD |
| A61 | Beta2-Adrenergic Receptor Activation Prolongs Survival of Vascularized Composite Tissue Allotransplants in a Murine Model
M. Kim¹, D. Fisher¹, J. Loo¹, P. Bogner², U. Sharma³, J. Skitzki³, E. Repasky⁴, ¹Surgical Oncology, Roswell Park Comprehensive Cancer Center, Buffalo, NY, ²Pathology, Roswell Park Comprehensive Cancer Center, Buffalo, NY, ³Cardiology, University at Buffalo, Buffalo, NY, ⁴Immunology, Roswell Park Comprehensive Cancer Center, Buffalo, NY |
| A62 | Stem Cell and Granulocyte-Colony Stimulating Factor Therapies to Improve Functional Outcomes in Limb Transplantation
J. Weiss¹, C. Phillips¹, E. Malin¹, V. Gorantla², S. K. Salgar³, ¹Surgery, Madigan Army Medical Center, Tacoma, WA, ²Surgery, Wake Forest University, Salem, NC, ³Clinical Investigation, Madigan Army Medical Center, Tacoma, WA |
| A63 | Desensitization Using Costimulatory Blockade and Bortezomib Does Not Prevent DSA Formation and Rejection in Reconstructive Transplantation
F. Messner¹, Y. Guo¹, R. Chen², Y. Kuo², G. Brandacher¹, B. Oh¹, ¹Department of Plastic and Reconstructive Surgery, Johns Hopkins UJohns Hopkins University School of Medicine, Baltimore, MD, ²Division of Plastic Surgery, Kaohsiung Medical University Hospital, Kaohsiung, Taiwan |
| A64 | Deceased Donor Vascularized Abdominal Wall Allograft Procurement - Lessons Learned from Early Experiences
J. A. Shah, D. L. Sudan, D. Erdmann, K. V. Ravindra, Abdominal Transplant Surgery, Duke University Medical Center, Durham, NC |
| A65 | The Scope and Limitations of Current Public Education Materials on Vascular Composite Allograft Transplantation and Donation in the United States
M. Henderson¹, S. Rasmussen¹, J. Uriarte², N. Anderson², B. Doby¹, C. Cooney¹, G. Brandacher¹, D. Segev¹, E. Gordon², ¹Johns Hopkins University, Baltimore, MD, ²Northwestern University, Chicago, IL |
| A66 | The Innsbruck Handtransplant Program: Eighteen Years of Experience
F. Messner, T. Hautz, A. Weissenbacher, S. Schneeberger, Department of Visceral, Transplant and Thoracic Surgery, Medical University of Innsbruck, Innsbruck, Austria |
| A67 | Comparison with Solid Organ Transplants Reveals Distinct Face Transplant Rejection Gene Signature That Reflects the Unique Immunobiology of Skin
T. Win, B. Dyring-Andersen, R. Lopdrup, J. Teague, N. Murakami, A. Chandraker, S. G. Tullius, B. Pomahac, L. V. Riella, R. A. Clark, Brigham and Women’s Hospital, Boston, MA |
| A68 | Long-Term Outcomes after Face Transplantation
| A69 | Functional Characterization of Orthotopic Hind-Limb Transplants in Rats
F. Zheng, X. Zhang, L. Qiu, J. Wang, X. Yeap, K. M. Koss, J. Wertheim, Z. J. Zhang, Comprehensive Transplant Center and Department of Surgery, Northwestern University, Chicago, IL |
A70  **AMD3100 (Plerixafor) as a Single-Dose Stem Cell Mobilizing Agent in Vascularized Composite Tissue Allograft (VCA) Transplantation in a Canine DLA-Mismatch Model**
B. Swearingen¹, S. Graves², R. Storb², D. W. Mathes¹. ¹University of Colorado School of Medicine, Aurora, CO, ²Fred Hutchinson Cancer Research Center, Seattle, WA

A71  **Clinical Response to Pathological Finding in Uterus Transplantation**
L. Johannesson, G. Testa, Simmons Transplant Institute, Baylor University Medical Center, Dallas, TX

A72  **VCA Deceased Donor Solid Organ Yield**
J. Wainright¹, G. Vece¹, C. Wholley², J. Rosendale¹, W. Cherikh¹, C. Curran³, A. Robinson¹, D. Di Battista⁴, D. Klassen⁵, ¹Research, UNOS, Richmond, VA, ²Policy and Community Relations, UNOS, Richmond, VA, ³New England Donor Services, Waltham, MA, ⁴Professional Education, UNOS, Richmond, VA, ⁵Office of Chief Medical Officer, UNOS, Richmond, VA

A73  **Cryopreserved Human Iliac Arteries Allografts: Different Thawing Rates Affect on Their Structural Changes and Mechanical Properties**
R. Novotny¹, J. Chlupac¹, R. Matejka², T. Marada¹, P. Mericka³, L. Sterba², L. Janousek¹, J. Fronèk¹. ¹Transplant Surgery Department, Institute for Clinical and Experimental Medicine, Prague, Czech Republic, ²Department of Biomedical Engineerin, Faculty of Biomedical Engineering, Czech Technical University, Prague, Czech Republic, ³Tissue Bank, Faculty Hospital Hradec Králové, Hradec Králové, Czech Republic

A74  **Heterozygous Gene Mutations In The Complement Factor I (cfi) Was Susceptibility Gene For The C3 Glomerulonephritis In Native Kidney And Renal Allograft**
J. Wen, H. Song, X. Ni, M. Zhang, F. Xu, X. Zhu, Jinling Hospital, Nanjing University School of Medicine, National Clinical Research Center of Kidney Diseases, Nanjing, Jiangsu, China

A75  **Immunosuppression after Organ Transplantation Does Not Enhance Patency of Cold-Stored Vein Allografts for Critical Limb Ischemia -Single Centre Experience**
J. Chlupac, T. Marada, R. Novotny, K. Lipar, L. Janousek, J. Fronèk. Transplant Surgery Department, Institute for Clinical and Experimental Medicine, Prague, Czech Republic

A76 †  **Uterine Graft Procurement in a Living Donor**
L. Johannesson, A. Wall, J. Bayer, G. J. McKenna, G. Testa, Simmons Transplant Institute, Baylor University Medical Center, Dallas, TX

**Poster Session A: Endothelial Cell Biology**

A77  **Protection of the Donor Kidney Vascular Endothelium by Ex-Vivo Perfusion with a Pan-Caspase Inhibitor**
R. Plenter¹, S. Jain². ¹Transplant Microsurgery Program, University of Colorado, Aurora, CO, ²Renal Division, University of Colorado, Aurora, CO

A78  **Achieving Robust Targeting of Antibody-Conjugated Nanoparticles Delivered during Ex Vivo Machine Perfusion of Human Kidneys**
J. R. DiRito¹, S. Hosgood¹, M. L. Nicholson¹, G. Tietjen². ¹Surgery, University of Cambridge, Cambridge, United Kingdom, ²Surgery, Yale School of Medicine, New Haven, CT

A79  **Endothelial Cell Cytoskeleton Rearrangement (ECCSKR) and Endothelial to Mesenchymal Transition (EndoMT) in Liver Allografts Following Acute Rejection (AR): Its Significance on the Development of Liver Fibrosis (LF) and Graft Survival**
B. H. Ozdemir¹, G. Ozgun¹, E. H. Ayvazoglu Soy², N. Haberal², G. Moray², M. Haberal². ¹Pathology, Baskent University, Ankara, Turkey, ²Transplantation, Baskent University, Ankara, Turkey
A80 Differential Regulation of Phosphokinases by Anti-HLA Class I and 11 Antibodies
A. Babu¹, B. Tran², M. Hamdorf², V. Jucaud², S. Daga³, D. Mitchell⁴, M. Everly², ¹Henry Ford Hospitals, Detroit, MI, ²Terasaki Research Institute, Los Angeles, CA, ³University of Warwick, Coventry, United Kingdom, ⁴Medical Sciences, University of Warwick, Coventry, United Kingdom

A81 Clazakizumab Acts on Endothelial Cells to Limit Antibody Mediated Damage
J. Lion¹, K. Poussin¹, E. Chong², D. Glotz³, N. A. Mooney¹, ¹Alloimmunité-Autoimmunité-Transplantation, INSERM, Paris, France, ²Vitaeris, Vancouver, BC, Canada, ³Nephrology and Transplantation, Hôpital Saint Louis, Paris, France

A82 Mitochondrial Permeability Regulates Heart Graft Ischemia - Reperfusion Injury and Rejection
A. Qamar¹, J. Jiang¹, X. Huang², P. McLeod², A. M. Jevnikar², Z. Zhang², ¹Pathology and Laboratory Medicine, University of Western Ontario, London, ON, Canada, ²London Health Sciences Centre, London, ON, Canada

A83 † Treg-Lymphatic Crosstalk: Lymphotoxin Signals as Modulators of Immunity and Suppression
W. Piao¹, L. Li², V. Saxena², Y. Xiong², C. Paluskievicz², J. Bromberg³, ¹Microbiology and Immunology, U. Maryland, Baltimore, MD, ²Surgery, U. Maryland, Baltimore, ³Surgery and Microbiology and Immunology, U. Maryland, Baltimore, MD

Poster Session A: Ischemia Reperfusion & Organ Rehabilitation

A84 Optimizing a Protocol for Extended Ex Vivo Extremity Perfusion
C. J. Stewart¹, M. T. Buchko², X. Wang¹, G. Brandacher³, A. Lada³, D. H. Freed², J. Nagendran², ¹Surgery, University of Alberta, Edmonton, AB, Canada, ²Cardiac Surgery, University of Alberta, Edmonton, AB, Canada, ³Plastic and Reconstruction Surgery, Johns Hopkins University, Baltimore, MD, ⁴Plastic Surgery, University of Alberta, Edmonton, AB, Canada

A85 Ischemic Preconditioning Attenuates Renal Ischemia-Reperfusion Injury through Activating the Nrf2/HO-1 Pathway Enhanced Autophagy
H. Choi¹, Y. Kim², M. Kim², K. Jun², S. Kim², S. Park³, J. Kim⁴, I. Moon⁵, J. Hwang⁶, ¹Clinical Research Center, Daejeon St. Mary's Hospital, Daejeon, Korea, Republic of, ²Surgery, College of Medicine, The Catholic University of Korea, Seoul, Korea, Republic of, ³Transplant Surgery, Seoul St. Mary's Hospital, Seoul, Korea, Republic of, ⁴Transplant Surgery, Uijeongbu St. Mary's Hospital, Uijeongbu, Korea, Republic of, ⁵Transplant Surgery, Yeouido St. Mary's Hospital, Seoul, Korea, Republic of, ⁶Transplant Surgery, Daejeon St. Mary's Hospital, Daejeon, Korea, Republic of

A86 NQO-1 Attenuates Renal Ischemia-Reperfusion Injury in Mice
D. Choi¹, J. Hwang², J. Jeong³, K. Lee¹, K. Na¹, Y. Ham¹, J. Jeon¹, H. Kim¹, Y. Chang¹, ¹Nephrology, Chungnam National University, Daejeon, Korea, Republic of, ²Laboratory Animal Center, Korea Research Institute of Bioscience and Biotechnology, Daejeon, Korea, Republic of, ³Medical Science, Chungnam National University, Daejeon, Korea, Republic of
A87 Heart-Associated Cytokine and Endothelial Patterns Dominate the Ischemia/Reperfusion Response in Recipients of Combined Heart/Lung Transplantation in Comparison to Lung Transplantation
F. Wanderd, B. Wiegmann2, N. Ledwoch1, R. Bellmas Sanz1, F. Ius2, W. Sommer2, S. Rojas3, C. Kühn2, I. Tudorache2, M. Avsar2, A. Haverich2, G. Warnecke2, C. S. Falk1, 1Institute of Transplant Immunology, Hannover Medical School, Hannover, Germany, 2Department for Cardiothoracic, Transplantation and Vascular Surgery, Hannover Medical School, Hannover, Germany

A88 Soluble C Type Lectin Receptor Protein Inhibition of Natural Killer Cell Mediated Tubular Epithelial Cell Death
S. Balaji1, B. Fuhrmann2, D. Lian3, H. Diao3, S. Ma3, Z. Zhang3, A. M. Jevnikar3, 1Physiology, Western University, London, ON, Canada, 2Microbiology and Immunology, Western University, London, ON, Canada, 3London Health Sciences Centre, London, ON, Canada

A89 Sigma-1 Receptor Agonists Are Renoprotective in a Rat Model of Kidney Transplantation

A90 Indocyanine Green Fluorescence Imaging during Normothermic Ex Vivo Liver Perfusion for the Assessment of Hepatocyte, Biliary, and Vascular Function
T. Goto, I. Linares, S. Ganesh, L. Mazilescu, P. Urbanellis, N. Selzner, M. Selzner, Multi-Organ Transplant Program, Department of Surgery, Toronto General Hospital, Toronto, ON, Canada

A91 Randomized Controlled Trial Of Spironolactone Effect In Kidney Transplant Recipients Of Living Donors
N. A. Bobadilla1, L. E. Morales-Buenrostro1, J. A. Ortega-Trejo1, R. Perez-Villalva1, L. Marino1, Y. González-Bobadilla1, H. Juárez1, F. Zamora-Mejía1, N. Gonzalez1, R. Espinoza2, J. Barrera-Chima3, "Nephrology, INCMNSZ, Mexico City, Mexico, "Nephrology, Centro Médico Nacional Siglo XXI, Mexico City, Mexico, 3Molecular Physiology Unit, Instituto de Investigaciones Biomédicas, UNAM, Mexico City, Mexico

A92 Alpha-1 Antitrypsin Reduces Liver Ischemia Reperfusion Injury during Ex-Vivo Normothermic Machine Perfusion
D. Detelich1, R. de Vries1, C. Carroll1, M. Stein2, K. Uygun1, H. Yeh1, J. Markmann1, 1Massachusetts General Hospital, Boston, MA, 2Kamada, Rehovot, Israel

A93 Reverse Signaling through CD137 Ligand Promotes Tissue Repair after Ischemia-Reperfusion Kidney Injury
H. R. Cho1, S. Lee2, J. S. Lee3, S. J. Park1, B. Kwon2, 1Ulsan University Hospital, Ulsan, Korea, Republic of, 2Biomedical Research Center, Ulsan University Hospital, Ulsan, Korea, Republic of, 3Department of Internal Medicine, Ulsan University Hospital, Ulsan, Korea, Republic of

A94 Predominant Role of Microvascular over Tubular Injury as Driver of Progressive Renal Damage and Fibrosis Post Ischemia Reperfusion Injury
S. Lan1, B. Yang1, M. Dieudé1, J. Sabo-Vatasescu2, A. Karakeussian-Rimbaud2, J. Turgeon2, S. Qi3, N. Patey3, M. Hébert1, 1Medicine Faculty, CRCHUM, University of Montreal, Montreal, QC, Canada, 2CRCHUM, Montreal, QC, Canada, 3Department of Surgery, CRCHUM, University of Montreal, Montreal, QC, Canada, 4Department of Pathology and Cell Biology, CHU Saint-Justine, University of Montreal, Montreal, QC, Canada

A93 Reverse Signaling through CD137 Ligand Promotes Tissue Repair after Ischemia-Reperfusion Kidney Injury
H. R. Cho1, S. Lee2, J. S. Lee3, S. J. Park1, B. Kwon2, 1Ulsan University Hospital, Ulsan, Korea, Republic of, 2Biomedical Research Center, Ulsan University Hospital, Ulsan, Korea, Republic of, 3Department of Internal Medicine, Ulsan University Hospital, Ulsan, Korea, Republic of

A94 Predominant Role of Microvascular over Tubular Injury as Driver of Progressive Renal Damage and Fibrosis Post Ischemia Reperfusion Injury
S. Lan1, B. Yang1, M. Dieudé1, J. Sabo-Vatasescu2, A. Karakeussian-Rimbaud2, J. Turgeon2, S. Qi3, N. Patey3, M. Hébert1, 1Medicine Faculty, CRCHUM, University of Montreal, Montreal, QC, Canada, 2CRCHUM, Montreal, QC, Canada, 3Department of Surgery, CRCHUM, University of Montreal, Montreal, QC, Canada, 4Department of Pathology and Cell Biology, CHU Saint-Justine, University of Montreal, Montreal, QC, Canada
Hypothermic Protection Attenuates Kidney Injury in Renal Ischemia-Reperfusion Injury via Phosphorylation of ERK

D. Choi¹, J. Jeong², K. Lee¹, K. Na¹, Y. Chang³, Y. Ham¹, J. Jeon¹, H. Kim¹,
¹Nephrology, Chungnam National University, Daejeon, Korea, Republic of,
²Medical Science, Chungnam National University, Daejeon, Korea, Republic of,
³Nephrology, Catholic University of Korea, Daejeon, Korea, Republic of

A96 Perfluorocarbon (PFC) Solutions for Organ Preservation

N. Battula, T. Parsons, J. Zhu, C. Giordano, A. Esnakula, B. Spiess, M. Johnson, A. Zarrinpar, K. Andreoni,
University of Florida, Gainesville, FL

A97 Novel Molecular Mechanisms Associated with Normothermic Ex-Vivo Kidney Perfusion

C. McEvoy¹, T. Tokar², S. Reid³, P. Urbanellis², M. Hamar³, M. Kathal¹, I. Jurisica², L. Robinson³, M. Selzner¹, A. Konvalinka¹, ¹MOT Programme, University Health Network, Toronto, ON, Canada, ²Krembil Research Institute, UHN, Toronto, ON, Canada, ³Institute of Medical Science, University of Toronto, Toronto, ON, Canada, ⁴Sick Kids Research Institute, Toronto, ON, Canada

A98 Flow Cytometric Analysis of Leukocyte Migration during Ex Vivo Lung Perfusion with CXCR4 Inhibition

J. Yerxa¹, Q. Gao¹, R. P. Davis², M. Zhang³, U. Scheuermann¹, W. Parker¹, M. G. Hartwig³, A. Barbas¹, ¹General Surgery, Duke University, Durham, NC, ²Thoracic Surgery, Duke University, Durham, NC

A99 Impact of Time-of-Day of Declamping on Kidney Transplant Outcome

D. Montaigne¹, N. Al Hawajiri², M. Jacquelin¹, A. Coppin¹, M. Frimat³, S. Bouyé³, G. Lebuffe³, F. Bayer², M. Lassalle², B. Staels¹, M. Hazzan³, C. Jacquelin¹, ¹University Hospital CHU Lille, Lille University and Inserm U1011, University Lille - EGID, Institut Pasteur de Lille, 59000, Lille, France, ²Agence de la Biomedecine, 93212, Saint-Denis la Plaine, France, ³University Hospital CHU Lille, University of Lille, 59000, Lille, France, ⁴REIN Registry, Agence de la Biomedecine and Inserm U1018, 93212, Saint-Denis la Plaine, France

A100 Aquaporins May Be Involved in Renal Ischemia-Reperfusion Injury by Affecting the Pyroptosis of Renal Tubular Epithelial Cells

T. Lin, Y. Fan, Y. Jiang, J. Liu, Z. Wang, L. Li, T. Song, Z. Huang, X. Wang,
Organ Transplantation Center, Urology Department, Urology Research Institute, WestChina Hospital, Sichuan University, Chengdu, China

A101 Pharmacological Mobilization of Host Stem Cells Prevents Delayed Graft Function Following Kidney Transplantation in Rats

W. Wang, L. Qi, J. Huang, A. Ahmadi, A. Krishnan, R. Wesson, A. Cameron, Z. Sun, Johns Hopkins University School of Medicine, Baltimore, MD

A102 Kidney-Intrinsic Innate Immunity and Endoplasmic Reticulum Stress Pathways are Key Determinants of Severity of Ischemia-Reperfusion Injury Following Transplantation

L. Qiu¹, J. Wang¹, X. Yeap¹, C. Lin¹, Y. S. Kanwar², D. Fang², M. M. Abecassis¹, Z. J. Zhang¹, ¹Comprehensive Transplant Center, Department of Surgery, Northwestern University, Chicago, IL, ²Department of Pathology, Northwestern University, Chicago, IL
A103  Determining the Molecular Nature and Role of Cytoglobin in Chronic Allograft Nephropathy
D. Patel1, T. Divanyan1, E. Acosta1, K. Carnes2, D. Howard3, F. Jourd'hui4, D. Jourd'hui4, R. Lopez-Soler4, 1Albany Medical College, Albany, NY, 2Urology, Albany Medical College, Albany, NY, 3Molecular and Cellular Physiology, Albany Medical College, Albany, NY, 4Surgery, Section of Transplantation, Albany Medical College, Albany, NY

A104  Donor Renal Macrophages in Post-Transplant Ischemia/Reperfusion Injury (IRI): Role of IL-1R8 in Modulating Fate, Phenotype and Function
S. Aiello, P. Rodriguez, N. Azzollini, F. Casiraghi, M. Noris, G. Remuzzi, A. Benigni, Mario Negri Institute, Ranica, Italy

A105  Loss of FXR Exacerbates Liver Damage by Activating NLRP3 Inflammasome Induced Pyroptosis in Liver Ischemia Reperfusion Injury
Z. Zhao, W. Ju, Z. Guo, X. He, Organ Transplant Center, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China

A106  Inhibition of Cyclin-Dependent Kinase 2 Signaling Prevents Liver Ischemia and Reperfusion Injury
Z. Xue, J. Xu, C. Zhang, Y. Liu, R. Busuttil, J. Kupiec-Weglinski, H. Ji, Dumont-UCLA Transplant Center, Los Angeles, CA

A107  CD38 Inhibition: A Novel Target for Hepatic Ischemia Reperfusion Injury
C. Akateh1, B. F. Reader1, Y. Lee1, J. Kim1, K. Maynard1, K. W. Washburn1, J. L. Zweier2, B. A. Whitson1, S. M. Black1, 1Surgery, The Ohio State University Wexner Medical Center, Columbus, OH, 2The Ohio State University Wexner Medical Center, Columbus, OH

A108  Multi-omic Analysis Of Hepatic Ischemia/reperfusion Injury Identifies Novel Targets To Mitigate Hepatocellular Damage

A109  Tubastatin-A, an HDAC6 Inhibitor, is Protective in Liver Ischemia Reperfusion Injury and Acetaminophen-Mediated Liver Injury
S. Concors1, D. Murken1, P. Hernandez1, D. Aufhauser1, Z. Wang1, G. Ge1, L. Kumeich1, T. Bhatti2, A. Kozikowski3, W. Hancock2, M. H. Levine1, 1Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, 2Children’s Hospital of Philadelphia, Philadelphia, PA, 3Starwise Therapeutics, Madison, WI

A110  Distinct Delayed Classical Complement Pathway Activation Highlights Transition of Ischemic Acute Kidney Injury to Chronic Kidney Disease with Interstitial Fibrosis/Tubular Atrophy
S. Kumar, S. Jordan, Comprehensive Transplant Center, Cedars Sinai Medical Ctr, Los Angeles, CA

A111  Kupffer Cells Are Critical for Inflammation Resolution in Liver Ischemia Reperfusion Injury via TIM-4 Mediated Efferocytosis
M. Ni1, H. Wang1, D. Jin1, J. Zhang1, R. Busuttil1, J. Kupiec-Weglinski1, X. Wang2, Y. Zhai1, 1Dumont-UCLA Transplant Center, Los Angeles, CA, 2The First Affiliated Hospital of Nanjing Medical University, Nanjing, China

A112  Graft TIM4 Deficiency Protects Liver from Ischemia Reperfusion Injury: From Mouse to Human
S. Kageyama1, K. Kadono1, H. Hirao1, K. Nakamura1, T. Ito3, K. J. Dery1, D. Oncel1, B. Ke1, F. M. Kaldas3, R. W. Busuttil1, J. W. Kupiec-Weglinski1, 1Surgery, Dumont-UCLA Transplant Center, Los Angeles, CA, 2Surgery, Ronald Reagan UCLA Medical Center, Los Angeles, CA
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<th>Poster Session A: Islet Cell and Cell Transplantation</th>
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| **A117**  
Withaferin A Shifts Circulating Lymphocytes toward Protective T Cell Subsets and Prolongs Islet Allograft Survival in a Mouse Transplant Model  
K. Kumano\(^1\), M. Kanak\(^2\), C. Darden\(^2\), S. Vasu\(^3\), Y. Liu\(^4\), M. C. Lawrence\(^1\), B. Naziruddin\(^1\), Baylor Scott and White Research Institute, Dallas, TX, \(^2\)Department of Surgery, Virginia Commonwealth University, Richmond, VA, \(^3\)Institute of Biomedical Studies, Baylor University, Waco, TX, \(^4\)Baylor Simmons Transplant Institute, Dallas, TX |
| **A118**  
Analysis of Islet Exosomal miRNAs Released Post-Transplant in Response to Inflammation  
P. Saravanan\(^1\), M. Kanak\(^1\), G. Yoshimatsu\(^1\), C. Darden\(^2\), M. Lawrence\(^2\), M. Levy\(^1\), B. Naziruddin\(^1\), Department of Surgery, Virginia Commonwealth University, VCU Health, Richmond, VA, \(^2\)Islet Cell Lab, Baylor Scott and White Research Institute, Dallas, TX, \(^3\)Simmons Transplant Institute, Baylor Scott and White Research Center, Dallas, TX |
| **A119**  
Assessment of Culture/Preservation Conditions on Survival and Function of Islets  
Y. Shindo, M. F. Levy, M. A. Kanak, Surgery, Virginia Commonwealth University, Richmond, VA |
| **A120**  
Microfluidic Study Analyzing the Effect of Immediate-Release and Extended-Release Tacrolimus on Islet Function  
P. West-Thielke\(^1\), J. Oberholzer\(^2\), Y. Wang\(^2\), University of Illinois, Chicago, IL, \(^2\)University of Virginia, Charlottesville, VA, \(^3\)University of Virginia, Charlottesville, VA |
| **A121**  
Islet Stress Leads to Increased Release of Exosomes That Stimulate Immune Cell Response  
S. Vasu\(^1\), C. Darden\(^2\), K. Kumano\(^1\), B. Naziruddin\(^3\), M. Lawrence\(^1\), Baylor Scott and White Research Institute, Dallas, TX, \(^2\)Institute of Biomedical Studies, Baylor University, Waco, TX, \(^3\)Baylor University Medical Ctr, Dallas, TX |
A122 Pancreatic Extracellular Matrix Improves Human Islet Culture and Function In Vitro
Y. Shindo, R. Pouillot, B. M. Young, P. Link, R. L. Heise, M. F. Levy, M. A. Kanak, Virginia Commonwealth University, Richmond, VA

A123 Improvement of the Outcome of Clinical Islet Transplantation Depending on the Era in Japan
Y. Akashi1, T. Kenmochi2, T. Ito3, K. Kurihara2, N. Aida2, A. Kawai2, M. Hayashi4, K. Kouketsu4, 1Faculty of Nursing, School of Health Sciences, Fujita Health University, Toyoake, Japan, 2Department of Transplantation and Regenerative Medicine, Fujita Health University, Toyoake, Japan, 31 Department of Transplantation and Regenerative Medicine, Fujita Health University, Toyoake, Japan, 4Transplant medical support office, Fujita Health University Hospital, Toyoake, Japan

A124 The Efficacy of Spheroidal Hepatocytes for Hepatocyte Transplantation
K. Shibuya, M. Watanabe, Y. Ganchiku, R. Kanazawa, Y. Koshizuka, M. Zaitsu, R. Goto, A. Taketomi, Department of Gastroenterological Surgery 1 Hokkaido University Graduate School, Sapporo, Japan

A125 Human Mesenchymal Stem Cells Inhibits Hypoxia-Induced Islets Apoptosis via Regulation of Autophagy
R. Pengfei, X. Yuzhi, The Third Xiang Ya Hospital, Central South University, ChangSha, China

A126 Parathyroid CD34+ Cells Induce Neovascularization of Donor and Recipient Leading to Chimeric Vessel Formation and Improved Engraftment of Co-Transplanted Pancreatic Islets
Y. Kelly1, C. Ward1, Q. Duh1, W. Chang2, P. Stock1, Q. Tang1, 1UCSF, San Francisco, CA, 2San Francisco Veterans Affairs, San Francisco, CA

A127 Exosomes Carry Stress and Damage Specific miRNAs during Peritransplant Period in TPIAT
P. Saravanan1, M. Kanak1, S. Vasu2, M. Lawrence3, M. Levy1, B. Naziruddin3, 1Department of Surgery, Virginia Commonwealth University, VCU Health, Richmond, VA, 2Islet Cell Lab, Baylor Scott and White Research Institute, Dallas, TX, 3Simmons Transplant Institute, Baylor Scott and White Medical Center, Dallas, TX

A128 Insulin Treatment in Pancreas Donors on the Intensive Care is a Marker of Beta Cell Death as Evidenced by microRNA Data
I. Shapey, A. Summers, J. O’Sullivan, P. Yiannoullou, N. Hanley, T. Augustine, M. Rutter, D. van Dellen, University of Manchester, Manchester, United Kingdom

A129 Galectin-3 Levels Are Associated with the Incidence and Severity of Chronic GVHD One Year after Allogeneic Hematopoietic Cell Transplantation
N. Navarro-Alvarez1, A. R. Andrews1, Z. DeFilipp2, Y. A. Chen2, V. T. Ho2, J. Ritz3, T. R. Spitzer4, C. A. Huang5, 1Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, 2Blood and Marrow Transplant Program, Massachusetts General Hospital, Boston, MA, 3Hematologic Malignancies, Dana-Farber Cancer Institute, Boston, MA, 4Hematology/Oncology, Massachusetts General Hospital, Boston, MA, 5Plastic & Reconstructive Surgery and Transplant Surgery Divisions, University of Colorado, Denver, Aurora, CO

A130 A Prognostic Biomarker to Estimate the Likelihood of Developing De Novo Donor Specific Antibody in Kidney Transplant Recipients
S. Kawakita1, L. M. Rebellato2, K. P. Briel2, A. Q. Maldonado3, C. E. Haisch2, P. Bolin2, S. A. Kendrick4, H. Jones4, K. McLawhorn4, D. Leeser5, V. Jucad1, V. Burnett1, M. J. Everly1, 1Terasaki Research Institute, Los Angeles, CA, 2East Carolina University, Greenville, NC, 3Vidant Medical Center, Greenville, NC, 4Eastern Nephrology Associates, Greenville, NC
A131 Transcriptome Profiling Of Renal Transplant Biopsies With Acute Cellular Rejection From Patients On Calcineurin Inhibitor-based Or Cni-avoidance Immunosuppression
D. Dobi1, F. Vincenti2, Z. G. Laszik1, 1Department of Pathology, University of California, San Francisco, San Francisco, CA, 2Departments of Medicine and Surgery, University of California, San Francisco, San Francisco, CA

A132 † Urinary Exosomal microRNA as a Non-Invasive Biomarker for the Diagnosis of Acute Rejection in Kidney Transplant Recipients
J. Seo1, Y. Lee1, S. Jung1, Y. Kim1, J. Moon1, K. Jeong1, C. Kim2, J. Park2, B. Chung1, Y. Kim5, S. Lee1, 1Nephrology, Kyung Hee University College of Medicine, Seoul, Korea, Republic of, 2Nephrology, Kyungpook National University College of Medicine, Daegu, Korea, Republic of, 3Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea, Republic of, 4Nephrology, The St. Mary’s Hospital of Catholic University of Korea, Seoul, Korea, Republic of, 5Nephrology, Inje University College of Medicine, Busan, Korea, Republic of

A133 External Validation of Donor-Derived Cell-Free DNA to Detect Rejection in Kidney Transplant Recipients
E. Huang, S. Sethi, A. Peng, R. Najjar, A. Vo, S. Jordan, Cedars Sinai Medical Center, Los Angeles, CA

A134 IE-1 Specific T Cell Receptor Repertoire Diversity and Protection against CMV Reactivation
M. Lucia Perez1, F. Rubelt1, S. Busque1, C. O. Esquivel1, S. M. Krams1, O. Bestard2, O. M. Martinez1, 1Surgery, Stanford University School of Medicine, Stanford, CA, 2Nephrology, University of Barcelona, L’Hospitalet de Llobregat, Spain

A135 B Cell Derived Exosomes Are Associated with Antibody Mediated Rejection in Kidney Transplant Recipients Desensitized for a Positive Cross-Match
D. Cucchiari1, V. Tubita2, M. J. Ramirez-Bajo2, J. Rovira2, F. E. Borràs3, L. Carreras-Planella3, A. Hertig5, F. Oppenheimer1, F. Diekmann1, I. Revuelta1, 1Renal Transplant Unit, Hospital Clinic, Barcelona, Spain, 2Laboratori Experimental de Nefrologia i Trasplantament, IDIBAPS, Barcelona, Spain, 3REMAR-IVECAT group, IGTP, Badalona, Spain, 4Department of Nephrology and Kidney Transplantation, Hôpital Tenon, Paris, France

A136 Next Gen ABO Antibody Assessment: Development of a Bead-Based ABO Antibody Detection Assay
A. Halpin1, J. Pearcey2, B. Motyka2, S. Maier3, J. Zhou4, T. L. Lowary4, C. W. Cairo4, L. J. West4, 1Dept of Pediatrics, Dept of Laboratory Medicine, GlycoNet, ATI, CDTRP, University of Alberta, Edmonton, AB, Canada, 2Dept of Pediatrics, ATI, GlycoNet, CDTRP, University of Alberta, Edmonton, AB, Canada, 3Dept of Laboratory Medicine, University of Alberta, Edmonton, AB, Canada, 4Dept of Chemistry, GlycoNet, CDTRP, University of Alberta, Edmonton, AB, Canada

A137 Human Leukocyte Antigen Class I (HLA-I) Antibodies in Patients Undergoing Liver Transplantation: Implications for Platelet Transfusion Support
M. Wong1, R. Narra2, M. Selim1, M. A. Zimmerman1, A. Padmanabhan3, J. C. Hong1, 1Div. of Transplant Surgery, Medical College of Wisconsin, Milwaukee, WI, 2Div. of Hematology/Oncology, Medical College of Wisconsin, Milwaukee, WI, 3Medical College of Wisconsin and BloodCenter of Wisconsin, Milwaukee, WI
A138 † Predicting Post-Transplant Graft Function in Deceased Donor Kidney Transplant Recipients
K. Archer1, Y. Zhang1, V. Bontha2, J. Eason3, L. Gallon4, E. Akalin5, D. Maluf6, V. Mas1, 1OSU, Columbus, OH, 2UTHSC, Memphis, TN, 3UTHSC Director of Transplant Institute, Memphis, TN, 4NWU, Chicago, IL, 5Albert Einstein College of Medicine, NYC, NY

A139 † Evaluating Adherence to Immunosuppressive Drugs through Trackyourmed® an Innovative Qr Code-Scanner App in Renal Transplantation: Preliminary Results from i-COM Trial
E. Melilli1, M. Meneghini1, N. Montero1, A. Coloma1, I. Revuelta2, F. Moreso3, V. Torregrosa2, J. Grinyo1, O. Bestard1, 1Renal Transplant Unit, Bellvitge University Hospital, L’Hospitalet de Llobregat, Spain, 2Renal Transplant Unit, Hospital Clinic, Barcelona, Spain, 3Renal Transplant Unit, Vall D’Hebron Hospital, Barcelona, Spain

A140 Increase in Proinflammatory CD14++CD16+ Monocytes in Samples from Aspiration Cytology Compared with Peripheral Blood in Kidney Transplant Patients with Borderline Rejection
T. Vazquez-Sanchez1, A. Caballero-Gonzalez2, E. Sola1, P. Ruiz-Esteban1, E. Marques1, J. Alonso-Titos1, E. Palma1, C. Jironda1, M. Cabello1, V. Lopez1, P. Hidalgo1, M. Leon1, D. Hernandez1, 1Nephrology, Hospital Regional Universitario de Málaga, Universidad de Málaga, IBIMA, REDinREN (RD16/0009/0006), Málaga, Spain, 2Immunology, Hospital Regional Universitario de Málaga, Universidad de Málaga, IBIMA, REDinREN (RD16/0009/0006), Málaga, Spain

A141 Clinical, Aging, Morphometric Measures & Adverse Outcomes in Kidney Transplant Recipients
A. Muzaale1, N. Chu1, H. Ying1, B. Ross2, D. Segev1, M. McAdams-Demarco1, 1JHU, Baltimore, MD, 2UM, Ann Habor, MI

A142 Whole-Exome Sequencing Identifies PMS1 and DYRK1A Genes Contributing to Occurrence of Liver Cancer
Y. Zhao, B. Yang, D. Chen, L. Wei, Z. Chen, Tongji hospital, Huazhong university, Organ Transplantation, Wuhan, China

A143 A Prognostic Model to Identify Deceased Donor Kidney Transplant Recipients at High Risk for Delayed Graft Function
S. Kawakita, J. L. Beaumont, M. J. Everly, Terasaki Research Institute, Los Angeles, CA

A144 Use Of Perirenal Adipose Tissue As A Source Of Donor Cells Allowing Evaluation Of Endothelial Inflammation And Quality Of Expanded Criteria Kidneys
R. Boissier1, L. Lyonnet2, P. Francois3, M. Meunier4, B. Gondran-Tellier5, T. Légris6, J. Magalon6, C. Picard6, F. Dignat-George6, E. Lechevallier6, G. Karsenty6, F. Sabatier6, P. Paul1, 1INSERM 1263, Centre de recherche en cardiovasculaire et nutrition, INSERM, Aix Marseille Univ, Assistance Publique Hopitaux Marseille, Marseille, France, 2Vascular Biology and Hematology department, Assistance publique hopitaux Marseille (AP-HM), Marseille, France, 3INSERM 1263, Centre de recherche en cardiovasculaire et nutrition, INSERM, Aix Marseille Univ., Marseille, France, 4Nephrology Dialysis and Renal Transplantation Center, AP-HM, Marseille, France, 5INSERM 1263, C2VN, INSERM, Aix Marseille Univ., Marseille, France, 6Nephrology Dialysis and Renal Transplantation Center, AP-HM, Marseille, France, 7Etablissement Français du Sang, Alpes Méditerranée, Marseille, France, 8Urology and Transplantation Unit, AP-HM, Marseille, France, 9INSERM 1263, Centre de recherche en cardiovasculaire et nutrition, INSERM, Aix Marseille Univ, Marseille, France
The Polish Troubled Kidney Transplant Biopsy Study: External Validation of the Molecular Microscope System
M. Myslak, D. Deborska-Materkowska, M. Ciszek, J. Mazurkiewicz, A. Debska-Sliżen, P. F. Halloran, A. Perkowska-Ptasinska, Pomeranian Medical University, Szczecin, Poland, Warsaw Medical University, Warsaw, Poland, Gdansk Medical University, Gdansk, Poland, Alberta Transplant Applied Genomics Centre, University of Alberta, Edmonton AB, AB, Canada, Medical University of Warsaw, Warsaw, Poland

High Urinary Neutrophil Gelatinase Lipocalins (NGAL) Levels in Kidney Perfusates as Predictor of a Better Renal Function
A. Angeletti, C. Donadei, V. De Pace, I. Capelli, V. Corradetti, G. Comai, F. Alviano, L. Bonsi, M. Ravaioili, G. La Manna, DIMES, S. Orsola-Malpighi Hospital, Bologna University, Bologna, Italy

Assessment of the Relationship between Inflammation and Glomerular Filtration Rate
J. B. Ramirez-Gonzalez, L. E. Morales-Buenrostro, J. Furuzawa-Carballeda, L. Garcia-Covarrubias, R. L. Pacheco-Dominguez, R. Durazo-Arvizu, J. Alberu, E. N. Cuevas-Medina, M. Lopez-Cervantes, R. A. Osorio-Juarez, Faculty of Medicine, Public Health Department, Universidad Nacional Autónoma de México, Mexico, Mexico, Department of Nephrology, Institute National de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico, Mexico, Department of Transplantation, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico, Mexico, Department of Transplantation, Hospital General de México Doctor Eduardo Liceaga, Mexico, Mexico, Faculty of Medicine, Department of Public Health, Universidad Nacional Autónoma de México, Mexico, Mexico, Department of Public Health Sciences, Loyola University Chicago, Chicago, IL, Department of Cardiology, Instituto Nacional de Cardiología Ignacio Chávez, Mexico, Mexico

Rapid Detection of Kidney Transplant Injury by Quantifying Donor-Derived Cell-Free Deoxyribonucleic Acid via Massively Multiplex Polymerase Chain Reaction

Involvement of Genetic Variation and Related Gene Expression Changes on Acute Rejection in Renal Transplant Recipients
H. Hwang, J. Seo, J. Kim, Y. Kim, J. Moon, K. Jeong, C. Kim, J. Park, B. Chung, Y. Kim, S. Lee, Division of Nephrology, Department of Internal Medicine, College of Medicine, Kyung Hee University, Seoul, Korea, Republic of, Division of Nephrology, Department of Internal Medicine, Kyungpook National University Hospital, Daegu, Korea, Republic of, Department of Surgery, Samsung Medical Center, Seoul, Korea, Republic of, Division of Nephrology, Department of Internal Medicine, The Catholic University of Korea, Seoul, Korea, Seoul, Korea, Republic of, Division of Nephrology, Department of Internal Medicine, College of Medicine, Inje University, Pusan, Korea, Republic of

Pre-Transplant Donor-Specific IFN-γ ELISPOT as a Predictor of Allograft Rejection: A Diagnostic Test Accuracy Meta-Analysis
S. Farouk, I. Gandolfini, N. Montero, E. Crespo, M. Jarque, M. Meneghini, O. Maggiore, O. Bestard, P. Cravedi, Medicine, Division of Nephrology, Icahn School of Medicine at Mt. Sinai, New York, NY, Centro Trapianti Rene-Pancreas, Azienda Ospedaliera-Universitaria di Parma, Parma, Italy, Nephrology, Bellvitge University Hospital, Barcelona, Spain, Experimental Nephrology Laboratory, IDIBELL, Barcelona, Spain
A151 Surveillance Biopsy Utilization Reported Higher In Transplant Centers Performing Over 100 Kidney Transplants Per Year. D. M. Lee1, R. First1, S. Rose1, M. Abecassis2, 1Transplant Genomics Inc, Mansfield, MA, 2Comprehensive Transplant Center, Northwestern University Feinberg School of Medicine, Chicago, IL


A154 Liquid Biopsy for Chronic Rejection after Kidney Transplantation. A Novel Non-Invasive Biomarker Involved in Inflammatory Amplifier Y. Takada1, D. Kamimura2, H. Higuchi1, D. Iwami1, K. Hotta1, N. Iwashara1, N. Shinohara1, M. Murakami2, 1Renal and Genitourinary Surgery, Hokkaido University Hospital, Sapporo, Japan, 2Molecular Psychoimmunology, Institute for Genetic Medicine, Graduate School of Medicine, Hokkaido University, Sapporo, Japan


A156 Proteomics Reveals Molecular Window and Metabolism of Normothermically Perfused Human Kidneys A. Weissenbacher1, H. Huang2, A. Thorne3, L. M. Lo Faro3, J. Hunter3, R. Ploeg3, C. C. Coussios1, P. J. Friend3, B. Kessler4, 1Visceral, Transplant and Thoracic Surgery, Innsbruck Medical University, Innsbruck, Austria, 2Nuffield Department of Medicine, Target Discovery Institute, University of Oxford, Oxford, United Kingdom, 3Nuffield Department of Surgical Sciences, University of Oxford, Oxford, United Kingdom, 4Oxford Institute of Biomedical Engineering, University of Oxford, Oxford, United Kingdom, 5Nuffield Department of Medicine,Target Discovery Institute, University of Oxford, Oxford, United Kingdom

A157 The Combination of 3-Month Estimated Glomerular Filtration Rate and Proteinuria is a Valuable Tool for Evaluating Long-Term Kidney Graft Survival C. Mottola1, N. Girerd2, K. Duarte3, A. Aarnink4, M. Kessler5, L. Frimat6, S. Girerd6, 1Nephrology and Kidney Transplant Unit, University Hospital of Nancy, Vandoeuvre-lès-Nancy, France, 2Clinical Investigation Center 1433, INSERM U1116, INI-CRCT, F-CRIN, Lorraine University, Vandoeuvre-lès-Nancy, France, 3Clinical Investigation Center 1433, INSERM 1116, INI-CRCT, F-CRIN, Lorraine University, Vandoeuvre-lès-Nancy, France, 4Laboratoire d’Histocompatibilité, University Hospital of Nancy, Vandoeuvre-lès-Nancy, France, 5Nephrology and kidney transplant unit, University Hospital of Nancy, Vandoeuvre-lès-Nancy, France, 6Nephrology and kidney transplant unit, INI-CRCT, F-CRIN, University Hospital of Nancy, Vandoeuvre-lès-Nancy, France

A158 Impact of IgG Subclass and C1q Binding Donor-Specific HLA Antibodies on Antibody Mediated Rejection in Kidney Transplant Recipients H. Lee1, J. Ryu1, S. Yun1, T. Ban2, E. Ko2, C. Yang2, E. Oh1, 1Department of Laboratory Medicine, The Catholic University of Korea, Seoul, Korea, Republic of, 2Department of Internal Medicine, The Catholic University of Korea, Seoul, Korea, Republic of
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
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<tbody>
<tr>
<td>A159</td>
<td>Subtyping Of Histologically Stable Kidney Transplants In Molecular Meta-analysis</td>
<td>D. Rychkov¹, T. Sigdel², J. Liberto², M. Sarwal³, M. Sirotá³, ¹ICS, Department of Surgery, UCSF, San Francisco, CA, ²Department of Surgery, UCSF, San Francisco, CA, ³ICS, UCSF, San Francisco, CA</td>
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<td>A160</td>
<td>Application of Small Molecule Fluorescent Probes in Early Activation Imaging of CD8+ T Lymphocytes</td>
<td>P. Rong, X. Zhou, Central South University, The Third Xiangya Hospital, Changsha, China</td>
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<tr>
<td>A161</td>
<td>Urine Uromodulin Associates with Deceased Donor Acute Kidney Injury and Allograft Failure</td>
<td>S. G. Mansour¹, I. Hall², P. Reese³, T. Ashkar⁴, Y. Jia⁴, H. Thiessen-Philbrook⁴, M. Doshi⁵, C. R. Parikh⁵, ¹Yale, New Haven, CT, ²University of Utah, Salt Lake City, UT, ³Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, ⁴Johns Hopkins University, Baltimore, MD, ⁵University of Michigan, Ann Arbor, MI</td>
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<td>A162</td>
<td>Cell Coding Transcriptomic Analysis Of Serial Blood And Biopsy Samples In A Large Cohort Of Kidney Transplant Recipients</td>
<td>W. Zhang¹, Z. Yi¹, Z. Sun¹, K. Keung², C. Wei¹, C. Xi¹, S. Farouk¹, M. Menon¹, P. Cravedi¹, P. O’Connell², B. Murphy¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²The University of Sydney, Sydney, Australia</td>
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<td>A164</td>
<td>NK Cell Quantification by Paraffin Immunohistochemistry is Not Predictive of Graft Outcome in 1-Year Surveillance Biopsies</td>
<td>J. Barnes¹, F. Suliman², A. Shammout¹, E. A. Farkash¹, ¹Pathology, Michigan Medicine, Ann Arbor, MI, ²Nephrology, Michigan Medicine, Ann Arbor, MI</td>
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<td>A165</td>
<td>Subclinical Rejection by Biopsy or Gene Expression Profile Predicts Long Term Kidney Function in Patients in the CTOT08 Trial</td>
<td>R. Heilman¹, D. Taber², K. Guo³, S. Brietigam³, j. charrette³, S. Kurian⁴, M. Abecassis⁵, J. Friedewald⁵, ¹Mayo Clinic AZ, Scottsdale, AZ, ²MUSC, Charleston, SC, ³Northwestern University, Chicago, IL, ⁴Scripps, La Jolla, CA</td>
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<td>A166</td>
<td>Utility of AlloSure Monitoring in Simultaneous Kidney and Pancreas Recipients</td>
<td>J. A. Klein, A. Gupta, P. Budhiraja, D. Cibrik, Nephrology, University of Kansas Medical Center, Kansas City, KS</td>
</tr>
<tr>
<td>A168</td>
<td>Transcriptional Changes in PBMC Associated with Development of Infection and Rejection in Older and Younger Kidney Transplant Recipients</td>
<td>J. Schaenman¹, M. Rossetti², E. Liang¹, O. E. Beaird¹, S. Bunnapradist³, E. F. Reed³, S. Cole⁴, ¹Division of Infectious Diseases, David Geffen School of Medicine at UCLA, Los Angeles, CA, ²Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA, ³Division of Nephrology, David Geffen School of Medicine at UCLA, Los Angeles, CA, ⁴Division of Hematology-Oncology, David Geffen School of Medicine at UCLA, Los Angeles, CA</td>
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A170 Evaluation of Delayed Renal Allograft Function after DCD with New Biomarkers in Donor Blood
X. Zheng, Beijing Chaoyang Hospital, Capital Medical University, Beijing, China

A171 Non-Invasive Monitoring of the Kidney Allograft

A172 Urinary Biomarkers- CXCL9 and CXCL10 for Non-Invasive, Early Diagnosis of Rejection in Pediatric Renal Transplantation
R. P. George, B. Hanberry, I. Dave, B. Lee, R. Garro, C. McCracken, B. Warshaw, "Pediatrics, Emory University and Children's Healthcare of Atlanta, Atlanta, GA, Pediatrics, Emory University, Atlanta, GA"

A173 Absolute Quantification of Micro RNA and Messenger RNA Using a Customized Amplicon in Real Time Quantitative Polymerase Chain Reaction Assays

A174 † Novel Flow-Based Assay to Identify Allo-Specific T Cell Exhaustion
N. Tanimine, C. Rickert, K. Lee, K. Deng, N. Feeney, C. Leguern, B. Burrell, J. Markmann, "Department of Surgery, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, Immune Tolerance Network, Bethesda, MD"

A175 † RNA Sequencing Identifies a Differential Role of Coding and Non-Coding Genes by Types of Rejection
S. Pineda, O. Bestard, T. K. Sigdel, M. Sirot, M. Sarwal, "Department of Surgery, UCSF, San Francisco, CA, Department of Surgery, Bellvitge University Hospital, Barcelona, Spain, BCHSI, UCSF, San Francisco, CA"

A176 Hepatoblastoma Tumors Requiring Liver Transplantation Manifest Dysregulated Ciliary, Autophagy and Cell Cycling Pathways in Systems Biology Analysis
T. Narayan, M. Ningappa, B. W. Higgs, S. Subramaniam, R. Sindhi, "Bioengineering, University of California, San Diego, CA, Childrens Hospital of Pittsburgh of UPMC, Pittsburgh, PA, University of California, San Diego, CA"

A177 † Evidence to Support the Use of Kidney Allograft Function as a Clinical Trial Outcome Measure
M. Kadatz, J. Gill, S. Clark, J. S. Gill, Nephrology, University of British Columbia, Vancouver, BC, Canada

A178 † Utilizing Imagestream Technology to Determine Hepatocellular CD38 Localization
Y. Lee, J. Kim, B. F. Reader, C. Akateh, K. R. Maynard, K. W. Washburn, J. L. Zweier, B. A. Whitson, S. M. Black, Department of Cardiac Surgery, The Ohio State Univ. Medical Center, Columbus, OH

A179 Monitoring Inflammatory Cytokine Levels in Kidney Transplant Patients (KTx Pts) with Chronic Antibody Mediated Rejection (cABMR) Treated with Clazakizumab (CLZ, Humanized Anti-IL-6 Monoclonal Antibody)
S. Ge, A. Petrosyan, M. Chu, N. Ammerman, A. Vo, S. C. Jordan, M. Toyoda, "Transplant Immunology Laboratory, Cedars-Sinai Medical Center, Los Angeles, CA, Comprehensive Transplant Center, Cedars-Sinai Medical Center, Los Angeles, CA, HLA Laboratory, Cedars-Sinai Medical Center, Los Angeles, CA"
Matrix Metalloproteinase-9 and Neutrophil Extracellular Traps in Human and Mouse Liver Ischemia and Reperfusion Injury
S. Duarte, A. Zarrinpar, R. W. Busuttil, A. J. Coito, Dumont-UCLA Transplant Center, Los Angeles, CA

Predicting Allograft Outcomes of Renal Transplantation with Pretransplant Metrics
J. Tchervenkov¹, M. Nguyen², S. Negi¹, S. Paraskevas¹, ¹RIMUHC, Montreal, QC, Canada, ²SSM Health Saint Louis University Hospital, St. Louis, MO

Characterization of Intra-Exosomal Cargoes of Circulating Donor Heart Specific Exosomes in Murine Heart Transplantation Model
J. Harmon, V. Korutla, L. Korutla, R. Hu, S. Rostami, A. Habertheuer, P. Zielinski, A. Freas, C. Ram, A. Naji, M. Davis, P. Vallabhajosyula, Department of Surgery, University of Pennsylvania, Philadelphia, PA

Donor-Derived Cell-Free DNA is Associated Specifically with Antibody Mediated Injury in Patients with Renal Allograft Dysfunction
B. Obrisca¹, C. Blosser², I. De Castro², C. Johnson², B. Sorohan¹, L. Sibulesky², R. Bakthavatsalam², G. Ismail¹, N. Leca², ¹Fundeni Clinical Institute, Bucharest, Romania, ²University of Washington, Seattle, WA

Effectiveness Of The Vittal Viability Criteria During Ex Situ Normothermic Machine Perfusion To Discriminate Hepatobiliary Organ Injury And Investigation Of Biochemical Markers For Post-transplant Complications
Y. L. Boteon, R. Laing, J. Attard, L. Wallace, A. Smith, M. Perera, D. Mirza, H. Mergental, S. Afford, Institute of Immunology and Immunotherapy, University of Birmingham, Birmingham, United Kingdom

Predicting Allograft Outcomes of Renal Transplantation with Pretransplant Metrics
J. Tchervenkov¹, M. Nguyen², S. Negi¹, S. Paraskevas¹, ¹RIMUHC, Montreal, QC, Canada, ²SSM Health Saint Louis University Hospital, St. Louis, MO

Validation of Gene Expression Signatures Associated with Antibody-Mediated Rejection (ABMR) in Renal Allograft Biopsies (Bx) of HLA-Sensitized Patients
H. Zhang¹, C. C. Nast², N. Ammerman³, A. A. Vo³, S. C. Jordan³, M. Toyoda¹, ¹Transplant Immunology Laboratory, Cedars-Sinai Medical Center, Los Angeles, CA, ²Pathology and Laboratory Medicine, Cedars-Sinai Medical Center, Los Angeles, CA, ³Comprehensive Transplant Center, Cedars-Sinai Medical Center, Los Angeles, CA

Multiple Non-HLA Antibodies Are Significantly Increased in Chronic Active Antibody Mediated Rejection
K. Sablik¹, E. Kamburova², D. Roelen³, H. Otten³, M. Betjes¹, ¹Erasmus MC, Rotterdam, Netherlands, ²University Medical Center Utrecht, Utrecht, Netherlands, ³University Medical Center Leiden, Leiden, Netherlands
A189 Molecular Phenotype of Proliferative Arteriopathy in Kidney Grafts
1 Warsaw Medical University, Warsaw, Poland, 2 Gdansk Medical University, Gdansk, Poland, 3 University of Alberta, Edmonton AB, AB, Canada, 4 Pomeranian Medical University, Szczecin, Poland

A190 Lack of Response to Tocilizumab in Kidney Transplants with Chronic Antibody-Mediated Rejection
D. Kumar, F. Safavi, R. Sandhu, P. Halloran, I. Moinuddin, P. Kimball, L. Kamali, A. King, H. Massey, G. Gupta
1 Virginia Commonwealth University, Richmond, VA, 2 Alberta Transplant Genomics Applied Centre, Edmonton, AB, Canada

A191 Significance of Histopathologic Features for Predicting Progression in Patients with Transplant Glomerulopathy
National Clinical Research Center of Kidney Diseases, Nanjing, China

A192 Automated Histology Lesion Interpretation in Kidney Transplant Biopsies Shows That Pathologists Often Deviate from Banff Guidelines
K. S. Madill-Thomsen, J. Reeve, G. Bohmig, F. A. Eskandary, A. Perkowska-Ptasinska, M. Myslak, P. F. Halloran and the INTERCOMEX Study Group
1 University of Alberta, Edmonton AB, AB, Canada, 2 Alberta Transplant Applied Genomics Centre, Edmonton, AB, Canada, 3 Medical University of Vienna, Vienna, Austria, 4 Medical University of Vienna, Edmonton AB, AB, Canada, 5 Medical University of Warsaw, Warsaw, Poland, 6 Pomeranian Medical University, Szczecin, Poland

A193 Clazakizumab (CLZ, Anti-IL-6 Monoclonal Antibody) Treatment of Patients (Pts) with Chronic Antibody-Mediated Rejection (cABMR) Reduces Total Immunoglobulin (Ig) and Anti-HLA IgG Antibody Levels
Cedars-Sinai Medical Center, Los Angeles, CA

A194 CD56+CD57+ Infiltrate is a Predominant Subset of Infiltrating Natural Killer Cell in Renal Transplant Biopsies with Antibody-Mediated Rejection
H. Jung, Y. Wee, J. Kim, M. Choi, H. Kwon, J. Jung, S. Kim, Y. Cho, Y. Park, H. Go, M. Han, Y. Kim, D. Han, S. Shin, Department of Biomedical Science, Asan Medical Institute of Convergence Science and Technology (AMIST), Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of, 2 Division of Kidney and Pancreas Transplantation, Department of Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of, 3 Department of Convergence Medicine, Asan Institute for Life Sciences, Asan Medical Center, Seoul, Korea, Republic of, 4 Department of Pathology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of, 5 Department of Clinical Epidemiology, Asan Medical Center, Seoul, Korea, Republic of

A195 Natural Killer Cells Express Significantly More CD16 during Chronic Active Antibody Mediated Rejection Which is Not Caused by a Single Nucleotide Polymorphism within the CD16 Gene
K. Sablik, N. Litjens, A. Peeters, M. Claahsen-van Groningen, M. Klepper, M. Betjes
Erasmus MC, Rotterdam, Netherlands
A196 Back Signaling of HLA Class I Molecules and NK Cell Receptor Ligands in Renal Epithelial Cells Contributes to the Rejection-Specific Microenvironment
E. Chichelnitskiy¹, J. Egelkamp¹, K. Daemen¹, J. Keil¹, C. Neudörfl¹, J. Bräsen², J. Schmitz², H. Haller⁵, C. Blume⁵, C. Falk⁵, ¹Institute of Transplant Immunology, Hannover Medical School, Hannover, Germany, ²Nephropathology Unit, Institute of Pathology, Hannover Medical School, Hannover, Germany, ³Department of Nephrology and Hypertension, Hannover Medical School, Hannover, Germany, ⁴Institute of Technical Chemistry, Leibniz University, Hannover, Germany, ⁵Institute of Transplant Immunology, Hannover Medical School; DZIF, German Center for Infection Research, TTU-IICH, Hannover/ Braunschweig, Germany

A197 Change in Estimated Glomerular Filtration Rate and Risk of Allograft Failure in Patients Diagnosed with Active Antibody-Mediated Rejection Following Kidney Transplantation
W. Irish¹, P. Nickerson², B. Astor³, E. Chong³, C. Wiebe³, F. Moreso⁵, D. Seron⁵, M. Crespo⁵, L. Gache⁵, A. Djamali³, ¹East Carolina University, Greenville, NC, ²University of Manitoba, Winnipeg, MB, Canada, ³University of Wisconsin, Madison, WI, ⁴Vitaeris, Inc, Vancouver, BC, Canada, ⁵University Hospital Vall d’Hebron, Barcelona, Spain, ⁶CTI Clinical Trial & Consulting, Covington, KY

A198 Increased Number of Intragraft FoxP3+ T Cells is Strongly Correlated with Decreased Graft Survival in Chronic Active Antibody Mediated Rejection
K. Sablik¹, K. Jordanova¹, M. Claksen-van Groningen¹, M. Betjes¹, ¹Erasmus MC, Rotterdam, Netherlands, ²Amsterdam UMC, Amsterdam, Netherlands

A199 The Impact of Calcineurin Inhibitors on De Novo DSA in Primary Kidney Transplantation
T. Hiramitsu, T. Tomosugi, K. Futamura, M. Okada, M. Tsujita, T. Ichimori, N. Goto, S. Narumi, Y. Watarai, Nagoya Daini Red Cross Hospital, Nagoya Aichi, Japan

A200 Impact of Extremely Prolonged Cold Ischemia Time in Combination with AKI on Kidney Transplantation Outcome - A Single Center Experience
N. Sharma, Z. Haddad, Y. Qazi, USC, Los Angeles, CA

A201 Kidney Grafts From Donors After Circulatory Death Provide Comparable Outcome To Donors After Brain Death Without Intracorporeal In Situ Cooling
H. Harada, M. Miura, A. Mitsuke, H. Higuchi, N. Fukuzawa, H. Tanaka, T. Hirano, T. Seki, Sapporo City General Hospital, Sapporo, Hokkaido, Japan

A202 Estimated Post Transplant Survival Allocation: Not Just Better Kidneys, but Faster Ones as Well
L. Ormiston¹, G. Vranic², J. Moore², B. Thomas², M. Cooper², A. Gilbert², ¹Georgetown University School of Medicine, Washington, DC, ²Medstar Georgetown Transplant Institute, Washington, DC

A203 Predicting Kidney Discards with Donor Admission Text
A. Placona, C. Martinez, B. Carrico, United Network for Organ Sharing, Richmond, VA

A204 A2 To B Kidney Transplants Under Kidney Allocation System: A Prospective Study Of Anti A Titers And Correlation With Outcomes
H. Schaefer, I. Feurer, S. Rega, R. Forbes, D. Shaffer, Vanderbilt University, Nashville, TN

A205 Should Kidney Retransplants Be Performed From Either Extended Criteria Donor Or Donation After Circulatory Death Donors?
<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>A206</td>
<td>The Impact of Eplet Mismatches on Kidney Transplant Outcome: A Single-Center Cohort Study</td>
</tr>
<tr>
<td>A207</td>
<td>Investigating Deceased Donor Kidney Discard Trend - An Opportunity To Expand The Donor Pool</td>
</tr>
<tr>
<td>A208</td>
<td>Single Center Deceased Donor Renal Transplant (DDRTx) Outcomes in Sensitized Patients after Implementation of the Kidney Allocation System (KAS)</td>
</tr>
<tr>
<td>A209</td>
<td>Impact Of The Provision Of Transplant Information On Access To First And Repeat Kidney Transplantation</td>
</tr>
<tr>
<td>A210</td>
<td>Graft Survival of Fourth Time Renal Transplant Recipients Are Similar to Third Time Transplants: A SRTR Database Analysis</td>
</tr>
<tr>
<td>A211</td>
<td>Management of Inactive Candidates on the Kidney Transplant Waitlist: Results from a National Survey</td>
</tr>
<tr>
<td>A212</td>
<td>The Impact of KDPI on Post Transplant Kidney Function: Intercept versus Slope. A Single Center Study</td>
</tr>
<tr>
<td>A213</td>
<td>Donor And Recipient Age Matching Versus Mismatching In Expanded Criteria Donor Kidney Transplants: Does It Make A Difference?</td>
</tr>
<tr>
<td>A214</td>
<td>Unifying Interpretation of Molecular HLA Typing Data between the Solid Organ Allocation Match Run and Virtual Crossmatch</td>
</tr>
<tr>
<td>A215</td>
<td>ilearnKAS: An Animated Video to Educate African Americans about Key Concepts of Kidney Allocation</td>
</tr>
<tr>
<td>A216</td>
<td>Temporal Trends of First-Year Mortality on the Adult Kidney-Only Wait List in the United States</td>
</tr>
</tbody>
</table>
A217 Oral Preconditioning of Donors after Brain Death with Calcineurin Inhibitors vs. Inhibitors of Mammalian Target for Rapamycin in Pig Kidney Transplantation
S. Abbasi Dezfuli, M. Golriz, O. Ghamarnejad, E. Khajeh, S. Mohammadi, M. Nikdad, A. Majlesara, M. Sabagh, P. Fathi, S. Shaffiei, M. Kentar, A. Younsi, C. Eckert, T. Poth, A. Mehrabi, A. Nickkhohi, "Department of General, Visceral, and Transplantation Surgery, University of Heidelberg, Heidelberg, Germany, Department of Neurosurgery, University of Heidelberg, Heidelberg, Germany, Department of Pathology, University of Heidelberg, Heidelberg, Germany"

A218 Donor-Recipient Matching in Kidney Transplant: The Whole is Greater Than the Sum of the Parts
A. Vinson, K. Tennankore, B. Kiberd, Dalhousie University, Halifax, NS, Canada

A219 Effect of Human Leukocytic Antigen Matching on Clinical Outcomes after Deceased Donor Renal Allograft Transplant: A Single Centre Experience
M. E. Gramlick, M. K. Heer, S. Yausis, P. R. Trevillian, "Department of Surgery, John Hunter Hospital, Newcastle, Australia, Newcastle Transplant Unit, John Hunter Hospital, Newcastle, Australia"

A220 Should First and Second Transplant Candidates Be Treated Equally?
S. Clark, M. Kadatz, J. Gill, J. S. Gill, Nephrology, University of British Columbia, Vancouver, BC, Canada

A221 Reevaluating Cut-Off Points for the Expansion of Deceased Donor Criteria for Kidney Transplantation in Japan
Y. NAKAGAWA, M. Masahiro, M. Tasaki, K. Saito, K. Takahashi, "Department of Urology, University Kikan Hospital, Niigata, Japan, Department of Regenerative and Transplant Medicine, Niigata University, Niigata, Japan, Department of Urology, Otsukadai Clinic, Tokyo, Japan"

A222 Renal Transplantation in Patients Older Than 60 Years with High Comorbidity. Is There a Survival Benefit? A Multicenter Study in Argentina

A223 DR53, You Can’t See Me: A Deceased Donor Tale of Ambiguous Typing
S. Dionne, S. Shetty, L. Santiago, K. Klama, "VRL Eurofins, Centennial, CO, VRL Eurofins, Philadelphia, PA"

A224 Risk of Delayed Graft Function after Deceased Donor Kidney Transplantation in the Current Era
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A225 Estimated vs. Actual Graft Failure and Patient Survival after Kidney Transplantation
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A226 Transplantation of the Highly Sensitized Renal Transplant Candidate in the Post-KAS Era: Who is Left Out?
C. Schinstock, B. Smith, A. Bentall, M. Stegall, Mayo Clinic, Rochester, MN
A227 † Efficacy of Belatacept Conversion Protocols
M. Yazdi, J. Kahwaji, S. Meguerditchian, R. Lee, Kaiser Los Angeles Medical Center, Los Angeles, CA

A228 † Long-Term Efficacy and Safety of Everolimus Based Immunosuppression on De Novo Kidney Transplantation with 10 Years Follow-Up
Y. Watarai1, S. Narumi1, T. Tomosugi1, K. Futamura2, M. Okada1, M. Tsujita2, T. Hiramitsu1, T. Kobayashi1, N. Goto1, T. Hiramitsu1, T. Kobayashi3, N. Goto2, 1Transplant Surgery, Nagoya Daini Red Cross Hospital, Nagoya, Japan, 2Transplant Nephrology, Nagoya Daini Red Cross Hospital, Nagoya, Japan, 3Kidney Transplantation, Aichi Medical University, Nagoya, Japan

A229 † Race-Sex Effects on Immune Response Potential during Tacrolimus Minimization Therapy in Stable Renal Allograft Recipients
K. Tornatore1, K. Attwood2, R. Venuto3, H. Minderman3, 1University at Buffalo; School of Pharmacy, Buffalo, NY, 2Biostatistics, Roswell Park Comprehensive Cancer Center, Buffalo, NY, 3University at Buffalo; School of Medicine; Nephrology, Buffalo, NY, 4Flow & Image Cytometry, Roswell Park Comprehensive Cancer Center, Buffalo, NY

A230 † Use of mTOR Inhibitors in Hypersensitized Kidney Transplant Recipients: Breaking False Myths
D. Cucchiari1, A. Molina-Andujar1, E. Montagud-Marrahi1, F. J. Centellas-Perez2, I. Revuelta1, F. Oppenheimer1, F. Diekmann1, 1Renal Transplant Unit, Hospital Clinic, Barcelona, Spain, 2Complejo Hospitalario Universitario, Albacete, Spain

A231 † Tacrolimus Concentration/Dose Ratio is an Independent Predictor of Death-Censored Kidney Allograft Survival
T. Jouve1, J. Noble1, X. Fonrose2, B. Janbon1, G. Fiard3, P. Malvezzi1, L. Rostaing1, 1Nephrology, Dialysis, Aphereses and Transplantation Department, Grenoble University Hospital, Grenoble, France, 2Pharmacology, Pharmacogenetics and Toxicology Laboratory, Grenoble University Hospital, Grenoble, France, 3Urology and Kidney Transplantation Department, Grenoble University Hospital, Grenoble, France

A232 Eculizumab in Kidney Transplant Recipients with Atypical Hemolytic Uremic Syndrome - Single Center Experience
A. Bhalla, S. Alasfar, N. Alachkar, Division of Transplant Nephrology, Johns Hopkins Hospital, Baltimore, MD

A233 CYP3A5 Genotype Had No Influence on Renal Function after Renal Transplantation
J. E. Kimpton, A. J. Hughes, I. MacPhee, Renal Medicine and Transplantation, St George’s University Hospitals NHS Foundation Trust, London, United Kingdom

A234 Impact of Induction Choice and Early Steroid Withdrawal on Outcomes in HLA Zero Mismatched Kidney Transplant Recipients
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A235 Long Term Outcomes in Kidney Transplant Recipients Receiving Everolimus (EVR) or Mycophenolate (MPS) in Combination with Tacrolimus (TAC)
A236 Implementation of a De Novo Belatacept Protocol
D. Wojciechowski¹, M. Jacobs², K. Safa¹, H. Gilligan¹, H. Eliot¹, W. W. Williams, Jr¹, 
¹Massachusetts General Hospital, Boston, MA, ²Wake Forest, Winston-Salem, NC

A237 The Effect Of Tacrolimus Trough Variability On Kidney Transplant Outcomes
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A238 Dosing and Exposure over 2 Years with LCP-Tacrolimus (LCPT) vs. Immediate-Release Tacrolimus (IR-Tac) in De Novo Kidney Transplantation
K. Budde¹, S. Bunnapradist², S. Patel³, D. Stevens³, U. Meier-Kriesche³, B. Suwelack⁴, 
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A239 Time within Therapeutic Range: A Comparison of Three Tacrolimus Formulations within Ninety Days of Renal Transplant
S. Patel, K. Khalil, A. Lichvar, E. Benedetti, P. West-Thielke, University of Illinois Hospital and Health Sciences System, Chicago, IL

A240 Early Conversion to Belatacept in High Risk Renal Transplant Recipients
A. Santeusani, A. Bhansali, R. Shapiro, V. Delaney, S. Florman, G. De Boccado, Mount Sinai Hospital, New York, NY

A241 The Effect of a Novel Dosing Protocol for the De Novo Use of LCP Tacrolimus in Kidney Transplant Recipients Managed on a Steroid-Free Maintenance Immunosuppression Regimen
R. Wolff¹, A. Nasstrom¹, C. Borscheid¹, C. Martin¹, A. Temelie¹, R. Spong⁵, D. Keys⁶, T. B. Dunn⁶, ¹School of Pharmacy, MHealth U of MN Medical Center-Fairview, Mpls, MN, ²Medicine, MHealth U of MN Medical Center-Fairview, Mpls, MN, ³Surgery, U of Pennsylvania, Phila, PA

A242 Conversion from Tacrolimus Immediate Release to Tacrolimus Extended Release (Envarsus XR®): A Real World Cohort Highlighting Dosing Variability among Patients
K. D. Belfield¹, D. Malhotra², M. Waleed³, E. A. Cohen¹, ¹Department of Pharmacy, Yale New Haven Hospital, New Haven, CT, ²Yale University School of Medicine, New Haven, CT, ³University of Connecticut School of Pharmacy, Storrs, CT

A243 Effect of Everolimus on IgM and IgG Memory B Cell Growth and Survival In Vitro and Applications for Effective Administration in Clinical Practice
Y. Matsuda, Osaka University Graduate School of Medicine, Osaka, Japan

A244 Clinical Implications of Belatacept Conversion in a High-Risk, Urban Renal Transplant Population
B. Valdepenas, J. Benken, E. Benedetti, Z. Hajjiri, A. Lichvar, University of Illinois at Chicago, Chicago, IL

A245 Clinical Impact of Race and Timing of Acute Rejection on Recipients of Kidney Transplant on Early Steroid Withdrawal Protocol
Q. Adebivi, S. Yaqub, W. Goggins, D. Mishler, T. Taber, A. Sharfuddin, Indiana University, Indianapolis, IN

A246 Dosing Requirements Of Astagraf XI In African American Kidney Transplant Recipients Converted From Twice-daily Tacrolimus (aaaktrs)
J. N. Fleming, M. A. Posadas-Salas, D. J. Taber, Medical University of South Carolina, Charleston, SC
**A247** Early Tacrolimus Trough Attainment in De Novo Kidney Transplant Recipients Treated with LCP-Tacrolimus (LCPT) vs. Immediate-Release Tacrolimus (IR-Tac)

K. Budde¹, S. Bunnapradist², S. J. Patel³, D. R. Stevens³, U. Meier-Kriesche⁴, B. Suwelack⁴, ¹Charité University Medicine Berlin, Berlin, Germany, ²UCLA Medical Center, Los Angeles, CA, ³Veloxis Pharmaceuticals Inc., Cary, NC, ⁴University Hospital of Münster, Münster, Germany

**A248** Everolimus/Low Tacrolimus Exposure versus Sodium Mycophenolate/Standard Tacrolimus for the Elderly Kidney Transplant Recipient. A 4-y Follow-Up of the nEverOld Trial

E. David-Neto, F. Agena, F. J. Paula, N. Z. Galante, D. S. David, F. Ramos, A. K. Triboni, P. Romano, P. A. Ebner, V. Coelho, M. Altona, R. Falci, A. Piovesan, W. C. Nahas, Renal Transplantation Service, Hospital das Clínicas - University of São Paulo School of Medicine, Sao Paulo, Brazil

**A249** Evaluation of Envarsus XR in African American Kidney Transplant Recipients

L. R. Lineberger¹, E. Hollinger², N. Kenyon¹, M. Brokohf¹, N. Alvey¹, ¹Pharmacy, Rush University Medical Center, Chicago, IL, ²Rush University Medical Center, Chicago, IL

**A250** Abatacept as Rescue Immunosuppression after Calcineurin Inhibitor Treatment Failure in Renal Transplantation

I. R. Badell, P. Vasanth, A. B. Farris, J. M. Robertson, G. M. Karadkhele, C. P. Larsen, Emory University School of Medicine, Atlanta, GA

**A251** Combination of Extended-Release Tacrolimus Plus Everolimus Once Daily in De Novo Kidney Transplant Recipients: ER-Tac vs LCPT

G. Spagnoletti, M. P. Salerno, F. De Gennaro, J. Romagnoli, F. Citterio, Surgery, Renal Transplant Unit, Fondazione Policlinico Universitario A. Gemelli IRCCS, Rome, Italy

**A252** A Retrospective Observational Analysis of Tacrolimus Metabolism Rate: No Evidence for Impact on Renal Function

A. J. Hughes, J. E. Kimpton, I. MacPhee, Renal Medicine and Transplantation, St George’s University Hospitals NHS Foundation Trust, London, United Kingdom

**A253** Belatacept Conversion for Calcineurin Inhibitor-Associated Thrombotic Microangiopathy in Kidney Transplant Recipients


**A254** Outcomes of ABO Incompatible Transplant on Steroid Free Immunosuppression

A. Wang, D. Mishler, T. Taber, M. Yaqub, A. Sharfuddin, W. Goggins, O. Adelbiyi, Department of Medicine, Division of Nephrology, Indiana University School of Medicine, Indianapolis, IN

**A255** Belatacept Use in High Kidney Donor Profile Index Kidney Transplant Recipients

D. Britt¹, A. Gharabagi¹, K. Botkin¹, T. Horwedel², C. Carthon¹, J. Hagopian¹, ¹Pharmacy, Barnes-Jewish Hospital, St. Louis, MO, ²Veloxis Pharmaceuticals, Cary, NC

**A256** Conversion to Belatacept in Kidney Transplant Recipients with Systemic Lupus Erythematosus

A257 Assessment of Proteinuria Reported as Adverse Events in De Novo Renal Transplant Recipients Receiving an Everolimus-Based Regimen: 24-Month Results from TRANSFORM
C. Legendre¹, S. Berger¹, F. Oppenheimer¹, A. Wiseman¹, S. Steinberg¹, O. Vikicky¹, G. Russ¹, R. Danguilian¹, N. Basic-Jukic¹, E. Mor¹, P. Narvekar², M. P. Hernandez Gutierrez², P. Bernhardt², C. Sommerer¹, ¹TRANSFORM Study Group, Basel, Switzerland, ²Novartis Pharma AG, Basel, Switzerland

A258 Delayed Achievement of Therapeutic Tacrolimus Levels with De Novo Extended-Release Tacrolimus Tablets and the Incidence of Rejection in Kidney Transplant Patients
C. E. Carthon¹, J. C. Hagopian¹, S. E. January¹, A. Gharabagi¹, R. Delos Santos², T. A. Horwedel¹, ¹Pharmacy, Barnes-Jewish Hospital, Saint Louis, MO, ²Nephrology, Washington University School of Medicine, Saint Louis, MO, ³Veloxis Pharmaceuticals, Inc., Cary, NC

A259 A Naturalistic Study of De Novo Extended-Release Tacrolimus Tablets vs. Tacrolimus Immediate-Release Capsules in Kidney Transplant Recipients
T. A. Horwedel¹, C. E. Carthon¹, S. E. January¹, A. Gharabagi¹, R. Delos Santos², J. C. Hagopian¹, ¹Pharmacy, Barnes-Jewish Hospital, Saint Louis, MO, ²Nephrology, Washington University School of Medicine, Saint Louis, MO

A260 Calcineurin Inhibitor Holiday for Management of Post Transplant Acute Kidney Injury
S. Sriperumbuduri, D. Lazarus, T. Fairhead, S. Hoar, J. Karpinski, G. Knoll, Nephrology, The Ottawa hospital, Ottawa, ON, Canada

A261 Adverse Effect Differences between Tacrolimus-IR and LCP-Tacrolimus
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A262 Impact of Tacrolimus Formulation on Tacrolimus Level Coefficient of Variations
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A263 Relationship between Comorbidities and Infectious Disease in Kidney Transplant Recipients Receiving Rituximab
A. Molina-Andújar¹, E. Hermida¹, J. Rovira², F. Cofan³, P. Ventura-Aguiar¹, N. Esforzado¹, V. Torregrosa¹, D. Cucchiari¹, E. de Souza¹, I. Revuelta¹, F. Oppenheimer¹, F. Diekmann¹, G. Piñeiro¹, ¹Renal Transplant Unit, Hospital Clinic de Barcelona, Barcelona, Spain, ²Laboratori Experimental de Nefrologia i Trasplantament, IDIBAPS, Barcelona, Spain

A264 De Novo Belatacept to Delay Tacrolimus Initiation in Renal Transplants with Delayed Graft Function
A. Dao, A. Reyad, L. Kautzman, M. Madhrira, I. Memon, O. Elmhishi, B. Sankarapandian, J. Johnson, S. Patel, S. Allam, Medical City Fort Worth Transplant Institute, Fort Worth, TX

A265 Outcomes in Kidney Transplant Recipients after Conversion from Tacrolimus to Belatacept-Based Regimens
A266 Impacts of Mycophenolate Mofetile Addition to Very Low Exposure Everolimus and Calcineurine Inhibitor Based Immunosuppression in De Novo Kidney Transplantation 5 Years Results
Y. Watarai¹, S. Narumi¹, T. Tomosugi², M. Okada³, K. Futamura³, M. Tsujita², T. Hiramitsu³, T. Kobayashi³, N. Goto³
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A267 Risk Factors for Initial Sub- and Supra-Therapeutic Tacrolimus Trough Levels in Renal Transplant Recipients
M. Kapugi, K. Cunningham, C. D’Agostino, C. Kane, A. Nova, J. Schulte, Northwestern Memorial Hospital, Chicago, IL

A268 Long-Term Survival Analysis of Kidney Transplant Recipients Receiving Mivochrome as a Maintenance Immunosuppressant
J. Kim¹, D. Lee¹, J. Oh¹, J. Lee¹, H. Kim¹, Y. Son²
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A269 Chloroquine’s Effect on T cell Proliferation
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A270 Difference in DSA Formation between Tacrolimus-XR and Tacrolimus-IR
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A271 Impact of HLA-DR Matching on HLA-DQ Matching Status and the Development of Anti-HLA-DQ De Novo DSA under Calcineurin Inhibitor or Belatacept Immunosuppression
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A272 Sirolimus (SRL) versus Everolimus (EVR) versus Mycophenolate (MPA) in Kidney Transplant Recipients Receiving Anti-Thymocyte Globulin Induction (r-ATG), Tacrolimus (TAC), and Prednisone
C. Rosso Felipe, L. Viana, M. Pontello Cristelli, J. Tonio, K. Ficher, S. Poletto, H. Proenca, R. de Marco, M. Gerbase-Lima, A. Brigo, J. Medina Pestana, H. Tedesco-Silva, Hospital do Rim, Nephrology Division, EPM - UNIFESP, São Paulo, Brazil

A273 Comparison of Initial Sirolimus (SRL) and Everolimus (EVR) Exposure Patterns in Kidney Transplant Recipients
C. Rosso Felipe, L. Viana, M. Pontello Cristelli, M. Nakamura, L. Ramagnoli, S. Braga, V. Lima, A. Carnevalle, D. Casarini, J. Medina Pestana, H. Tedesco Silva Junior, Hospital do Rim, Nephrology Division, EPM - UNIFESP, São Paulo, Brazil

A274 Early Rejection Outcomes with IL-2 vs. ATG Induction among Kidney Transplant Recipients Induction Differences with Early Steroid Withdrawal
C. Burelli, A. Szczepanik, K. Yadav, E. Sanchez, M. Deboy, V. Humphreille, J. Rabets, A. Padiyar, N. Sarabu, A. Jitirit, A. Palanisamy, K. Chavin, University Hospitals Cleveland Medical Center, Cleveland, OH

A275 Optimizing Opportunity and Benefits of Steroid Avoidance in the New KAS Era
A275.1 Long-Term Outcomes of Early Conversion to Sirolimus-Based Immunosuppression in Children with Living Donor Kidney Transplants
B. Stotter¹, S. Lui¹, E. Weller², L. Ganapathi¹, M. Ferguson¹, A. Traum¹, M. Somers¹, N. Rodig¹, "Pediatrics, Boston Children’s Hospital, Boston, MA, ²Biostatistics and Research Design Center, Boston Children’s Hospital, Boston, MA

Poster Session A: Liver - Kidney Issues in Liver Transplantation

A276 Early Renal Allograft Failure after Simultaneous Liver-Kidney Transplantation: Evidence for Utilization of the Safety Net
G. Cullaro¹, E. C. Verna², B. J. Orandi³, J. C. Lai¹, "UCSF, San Francisco, CA, ²Columbia University, New York, NY, ³University of Alabama at Birmingham, Birmingham, AL

A277 † Outcomes for Liver Transplant Recipients on Renal Replacement Therapy: Who Cannot Wait for Safety Net
A. Pita¹, N. Kaur¹, M. Lo², A. F. Sabour¹, V. Tristan¹, Y. Genyk¹, M. K. Nadim³, L. Sher¹, "Department of Surgery, Keck Medical Center of USC, Los Angeles, CA, ²Department of Preventive Medicine, Keck Medical Center of USC, Los Angeles, CA, ³Department of Medicine, Keck Medical Center of USC, Los Angeles, CA

A278 † Delayed Kidney Transplantation in Combined Liver Kidney Transplantation: A Validation Analysis by the UNOS Registry

A279 Urinary Biomarkers of Kidney Injury in Liver Transplant Recipients with Calcineurin Inhibitors Based Immunosuppression
D. Maluf¹, V. Bontha¹, A. Bajwa², A. Abdelaal¹, C. Koo¹, J. D. Eason², V. Mas², ¹UTHSC, Memphis, TN, ²Transplant Institute, Memphis, TN

A280 De Novo Glomerulonephritis after Non Renal Abdominal Organ Transplantation
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A281 Long-Term Kidney Graft Evolution in Simultaneous Liver-Kidney Transplants with Immunological Risk
G. J. Piñeiro¹, E. Montagud¹, J. Ugalde¹, R. Gelpi¹, V. Torregrosa¹, J. Rovira², J. Colmenero¹, F. Diekmann¹, N. Esforzado¹, ¹Nephrology and Kidney Transplantation, Hospital Clinic of Barcelona, Barcelona, Spain, ²Nephrology and Kidney Transplantation, Laboratori Experimental de Nefrologia i Transplantament, IDIBAPS, Barcelona, Spain, ³Liver Transplant Unit, Hospital Clinic of Barcelona, Barcelona, Spain

A282 Monitoring And Management Of Proteinuria Is Often Ignored In Patients Receiving mTOR Therapy Following Orthotropic Liver Transplantation
R. Kaur¹, O. Sadiq², M. Alimirah¹, F. Kumssa¹, A. Patel³, S. Jafri³, "Internal Medicine, Henry Ford Hospital, Detroit, MI, ²Gastroenterology, Henry Ford Hospital, Detroit, MI, ³Nephrology, Henry Ford Hospital, Detroit, MI

A283 Poor Long-Term Outcome of Liver Transplant Recipients with Preexisting Renal Insufficiency
M. Sterneck¹, M. Touma¹, T. Horvatits², S. Pischke², U. Herden², A. Lohse², L. Fischer³, "University Transplant Center, University Medical Center Hamburg Eppendorf, Hamburg, Germany, ²Department of Medicine, University Medical Center Hamburg Eppendorf, Hamburg, Germany, ³Department of Visceral Transplantation, University Medical Center Hamburg Eppendorf, Hamburg, Germany
A284 Intraoperative Portal Vein Flow Can Predict Early Acute Kidney Injury Following Allogeneic Liver Transplantation: A Retrospective Observational Study
J. Zhang¹, A. Jiao², Q. Liu¹, C. Zhang¹, N. Sun¹, X. Li¹, ¹Hepatobiliary Surgery Department and Unit of Organ Transplantation, The First Hospital of China Medical University, Shenyang, China, ²Department of Hepato-Biliary-Pancreatic Surgery, Cancer Hospital of China Medical University, Liaoning Cancer Hospital & Institute, Shenyang, China

A285 Renal Safety Of Entecavir And Tenofovir With Hepatitis B Immunoglobulin In Liver Transplant Patients
D. Kim¹, J. Lee¹, E. Kim¹, S. Kim¹, K. Ihn², D. Joo¹, K. Huh¹, B. Kim², M. Kim¹, S. Kim¹, Y. Kim¹, J. Lee¹, ¹Surgery, Yonsei University College of Medicine, Seoul, Korea, Republic of, ²Internal Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of

A286 Sequential Liver Kidney Transplant Has Comparable Outcomes As Combined Liver Kidney Transplant Except For Ckd 5 In Patient With Cld In Live Donor Program-Retrospective Analysis Of 2182 Cases
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A287 Combined Liver and Delayed Kidney Transplantation (CLKT) Enables Similar Patient Survival as Liver Transplantation Alone (LTA): Propensity Score-Based Comparison
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A288 Risk Stratification of Patients Undergoing Simultaneous Liver Transplantation and Cardiac Surgery

A289 Illustration of Renal Recovery in SLK with Utilization of Most Recent Allocation Criteria
B. Patel, R. Prashar, A. Babu, Henry Ford Hospital Detroit, Detroit, MI

A290 Pre-Liver Transplant Renal Dysfunction is an Independent Predictor of Post-Liver Transplant Return to the Operating Room

A291 Staged Procedure In Simultaneous Liver And Kidney Transplant -the “Swedish” Experience
A. Gravetz, Transplant Surgery, Swedish Medical Center, Seattle, WA

A292 Outcomes of En Bloc Simultaneous Liver-Kidney Transplantation Compared to the Traditional Technique

A293 Incidence and Predictors of Post-Kidney Biopsy (KBx) Bleeding in Liver Transplant (LT) Candidates with Renal Dysfunction
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A294 Early Achievement of Sustained Virological Response in Liver Transplant Recipients with Hepatitis C Reduces Risks of End Stage Renal Disease
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A295 Renal Failure after Liver Transplantation: Benefits from a Little Pinch of KALT
R. Ruiz1, K. Holmes2, G. McKenna1, N. Onaca1, G. Testa1, H. Fernandez1, J. Bayer1, A. Wall1, E. Martinez1, E. Martinez1, A. Gupta1, R. Goldstein1, G. Klintmalm1
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A296 Does Secondary Simultaneous Liver Kidney versus Liver Alone Make a Difference in Terms of Patient and Graft Survival
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A297 Outcomes of Inguinal and Incisional Hernias in Patients Undergoing Liver Transplant
H. Aziz, V. Tristan, Y. Genyk, K. Etesami, Transplant Surgery, USC, Los Angeles, CA

A298 Is Bariatric Surgery Feasible in the Setting of Liver and Kidney Transplants?
L. M. Potter, A. Saharia, C. Mobley, K. Lunsford, M. Hobeika, N. Tariq, H. Podder, A. O. Gaber, R. M. Gobrial, Liver Transplant and Hepatobiliary Surgery, The Houston Methodist Hospital, Houston, TX

A300 Trimming the Fat?: Optimizing Utilization of Liver Allografts with Macrosteatosis >30% in Recipients with MELD Scores <35
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A301 The Effect of Lifestyle Intervention on Physical Functionality, Progress of Liver Disease and Mortality in Decompensated Cirrhosis Patients in a Community Model
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A302 The Risks Are Not Always The Same; Peak Timing Of Risk In Liver Transplantation

A303 Recipient Sex Interacts with Primary Diagnosis to Affect Liver Transplant Graft Survival
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A304 Utility Of SIPAT Scoring System In Predicting Risk Of Recidivism In Patients With Alcoholic Liver Disease.
A. Ur Rahman1, H. Singh1, M. Abusaif1, J. Shaw2, O. Knighton2, L. Clark2, T. Santos2, S. Ebaid2, D. Reino2, J. Vanatta2, A. Tzakis2, K. Alkhalloufi2, X. Zervos2, 1Gastroenterology, Cleveland Clinic Florida, Weston, FL, 2Transplant Institute, Cleveland Clinic Florida, Weston, FL

Poster Session A: Liver: Recipient Selection

A299 Extreme Hyponatremia as a Risk Factor for Early Mortality after Liver Transplantation in the Model for End-Stage Liver Disease-Sodium Period
H. Mouzaihem, M. Safwan, L. C. Chau, D. Moonka, M. Abouljoud, S. Nagai, Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI
A305 Comparable Outcomes of Deceased Donor Liver Transplant Outcomes in Recipients with Previous Abdominal Surgery (PAS) after Pre Listing Surgical Categorization. A Propensity-Score Matched Pair Analysis
H. Sharma, H. Bohorquez, D. Oganesyan, D. Bruce, E. Bugeaud, I. Carmody, A. Cohen, J. Seal, D. Sonnier, G. Loss, Department of Transplant Surgery, Ochsner Medical Center, New Orleans, LA

A306 Higher Population Donor Service Areas Are Associated With Lower Meld At Death On Wait List And Higher Meld At Removal For "Too Sick"
Y. Hung, Y. Bababekov, C. Rickert, Y. Hsu, D. Chang, H. Yeh, Massachusetts General Hospital, Boston, MA

A307 Statin Underutilization in Patients Listed for Liver Transplant
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A308 Liver Transplant Centers Select Different Characteristics for Recipients and Deceased Donors: Implications for Patients When Choosing a Center
C. R. Schaffhausen¹, M. J. Bruin², S. Chu², D. Schladt³, S. Chinnakotla³, J. R. Lake³, W. Kim⁴, S. W. Biggins⁵, J. J. Snyder⁶, B. L. Kasiske⁷, A. K. Israni¹, ¹Hennepin Healthcare Research Institute, Minneapolis, MN, ²College of Design, University of Minnesota, Minneapolis, MN, ³Department of Surgery, University of Minnesota, Minneapolis, MN, ⁴Division of Gastroenterology, Hepatology, and Nutrition, University of Minnesota, Minneapolis, MN, ⁵Division of Gastroenterology and Hepatology, Stanford University, Stanford, CA, ⁶Division of Gastroenterology, University of Washington, Seattle, WA, ⁷Scientific Registry of Transplant Recipients, Minneapolis, MN

A309 Preoperative Risk Factor-based Cardiac Catheterization Is Associated With Low Cardiac Morbidity And Mortality In Liver Transplant Patients
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A310 Outcomes of Side-to-Side Cavocavostomy versus Traditional Piggyback Implantation in Liver Transplantation

A311 Functional Measures of Frailty and Not Sarcopenia Predict Mortality in a Prospective Cohort of Liver Transplant Candidates
R. Sharma, R. Rosenblatt, R. Knotts, J. Pisa, E. Verna, Division of Liver Diseases and Transplantation, Columbia University Medical Center, New York, NY

A312 Feasibility of a Rapid Magnetic Resonance Protocol to Assess Body Composition Profiles in Adult Liver Transplant Candidates
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A313 † Liver Transplantation for Acute Liver Failure: A 16 Year Experience with 214 Patients in the Post-MELD Era

A314 † The Liver Frailty Index is Associated with Current and Subsequent Disability in Liver Transplant Candidates
J. C. Lai, J. L. Dodge, C. E. McCulloch, K. E. Covinsky, J. P. Singer, University of California, San Francisco, San Francisco, CA

A315 † A Randomized Pilot Trial of Home-Based Physical Activity Plus Dietary Intervention to Improve Physical Function in Patients with Advanced Liver Disease
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A316 Evaluation of Liver Transplantation among Advanced Age Recipients in a Large Multicenter U.S. Cohort
A. Goel1, A. Kwong2, D. Devuni3, C. Wang2, J. Boike4, J. Jo4, L. VanWagner4, M. Serper5, L. Jones5, R. Sharma5, E. Verna6, J. Shor7, M. German7, A. Hristov7, A. Lee7, E. Spengler7, A. Koteish8, G. Sehmbey9, A. Seetharam9, N. John1, Y. Patel10, M. Kappus10, T. Couri11, R. Salgia11, Q. Nhu12, C. Frenette13, J. Lai14, Stanford University, Palo Alto, CA, 2University of California, San Francisco, CA, 3University of Massachusetts, Worcester, MA, 4Northwestern, Chicago, IL, 5University of Pennsylvania, Philadelphia, PA, 6Columbia University, New York, NY, 7University of Wisconsin, Madison, WI, 8Florida Hospital, Orlando, FL, 9University of Arizona, Phoenix, AZ, 10Duke University, Durham, NC, 11University of Chicago, Chicago, IL, 12Henry Ford Hospital, Detroit, MI, 13Scripps, San Diego, CA

A317 Dobutamine Stress Echocardiography is a Poor Predictor of Clinically Significant Coronary Artery Disease in Patients Undergoing Liver Transplant Evaluation
D. L. Hughes1, J. Rice1, J. R. Burton1, E. A. Pomfret2, J. J. Pomposelli2, A. V. Ambardekar3, S. M. Mandell4, M. S. Kriss1, 1Division of Gastroenterology & Hepatology, University of Colorado School of Medicine (UCSOM), Aurora, CO, 2Division of Transplant Surgery, UCSOM, Aurora, CO, 3Division of Cardiology, UCSOM, Aurora, CO, 4Department of Anesthesiology, UCSOM, Aurora, CO

A318 Portal Vein Thrombosis Discovered at Liver Transplant: Barrier to Success
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A319 Orthotopic Liver Transplantation in MPV17 Deficiency: A Case Series
E. A. Gerzina1, E. D. Witte1, M. L. Kueht1, R. W. Himes1, 1Baylor College of Medicine, Houston, TX, 2Department of Surgery, Division of Abdominal Transplant, Baylor College of Medicine, Houston, TX, 3Pediatrics-Gastroenterology, Baylor College of Medicine, Houston, TX

A320 Liver Transplant Outcomes in Patients with Atrial Fibrillation
D. Devuni1, P. Mahboub2, P. Martins2, C. Barry1, I. Zacharias1, B. Movahedi1, G. Barnard1, A. Bozorgzadeh2, 1Division of Gastroenterology, University of Massachusetts Medical School, Worcester, MA, 2Surgery, Division of Transplantation, University of Massachusetts Medical School, Worcester, MA
Poster Session A: Transplant Infectious Diseases

A321 Use of a CMV Specific T Cell Immunity Assay in Late-Onset CMV Infection
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A322 Comparison of Two Dosing Regimens of Valganciclovir for Cytomegalovirus Prophylaxis in High-Risk Liver Transplant Recipients
A. L. Bixby1, L. Fitzgerald, L. Cotiguala, J. M. Park, D. Kaul, C. Sonnenday, S. Tischer, Michigan Medicine, Ann Arbor, MI

A323 Letermovir for CMV Treatment in Solid Organ Transplant
O. Witkowsky, M. Chunduru, A. Chung, A. Diez, The Ohio State University Wexner Medical Center, Columbus, OH

A324 De-Novo Letermovir Resistant Mutations in Cytomegalovirus-Infected Tissues of Solid Organs Transplant Recipients
S. HAN, H. Cho, S. Min, Y. Hong, Internal Medicine, Yonsei University Health System, Yonsei University College of Medicine, Seoul, Korea, Republic of

A325 Experience With Letermovir Use For The Management Of Cytomegalovirus In Solid Organ Transplant Recipients
J. L. Orejas1, F. M. Marty1, A. M. McDonnell2, M. P. Cheng1, E. Arbona-Haddad1, S. P. Hammond1, S. Koo1
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A326 Incidence of Cytomegalovirus in Moderate Risk Kidney Transplant Recipients Receiving Low Dose Valganciclovir
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A327 Donor Derived Tuberculosis in Solid Organ Transplantation in the United States: 10 Years of UNOS Ad Hoc Disease Transmission Advisory Committee Experience
M. F. Malinis1, R. LaHoz1, G. Vece2, S. Tlusty2, S. Aslam1, R. Bag1, J. Bucio1, L. Dantziger-Isakov1, D. F. Florescu1, M. Rana1, C. Wolfe1, M. G. Michaels1, 1DTAC, Richmond, VA, 2UNOS, Richmond, VA

A328 Syphilis Transmission in Solid Organ Transplantation
M. Morrison, M. Hurtik, G. M. Lyon, S. Pouch, Emory University Hospital, Atlanta, GA

A329 Preventing Donor Derived Cryptococcal Infections: Should We Screen Potential Organ Donors with a Serum Cryptococcal Antigen? A Cost Analysis
C. Santos1, E. Ritz1, Y. Rhee1, I. George2, J. Pulvirenti2, N. Moore1, E. Hollinger1, L. Proia1, 1Rush University Medical Center, Chicago, IL, 2Washington University, St. Louis, MO, 3Mercy Hospital, Rockford, IL

A330 Impact of Multidrug-Resistant Organisms among Donors on Organ Utilization
J. A. Anesi1, E. Lautenbach1, J. H. Han1, D. H. Lee2, H. Clauss3, A. Climaco4, R. Hasz5, E. Molinar3, D. Alimenti4, S. West5, W. B. Bilker1, P. Tolomeo1, E. A. Blumberg1, 1University of Pennsylvania, Philadelphia, PA, 2Drexel University College of Medicine, Philadelphia, PA, 3Temple University, Philadelphia, PA, 4Albert Einstein Medical Center, Philadelphia, PA, 5Gift of Life Donor Program, Philadelphia, PA
A331 † Donor Derived Strongyloidiasis, a Preventable Event
R. M. La Hoz¹, G. Vece², L. Danziger-Isakov¹, D. Florescu¹, M. Malinis¹, K. Lilly¹, L. Strasfeld¹, R. P. Wood¹, S. Stlusty², C. R. Wolfe¹, M. G. Michaels¹, DTAC, Richmond, VA, ² UNOS, Richmond, VA

A332 Impact of Multidrug-Resistant Microbes of Donor Lower Respiratory Tract on Early Posttransplant Pneumonia in Bilateral Lung Transplant Recipients without Pretransplant Infection
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A333 Transmission of Infections from Organ Donor to Recipient - German Data
K. Moench, A. Rahmel, A. P. Barreiros, German Foundation for Organtransplantation (DSO), Frankfurt, Germany

A334 Breakthrough Invasive Fungal Infections in Solid Organ Transplant Patients Receiving Isavuconazole
M. Fung, C. Devoe, B. S. Schwartz, S. B. Doernberg, J. Babik, P. V. Chin-Hong, University of California, San Francisco, San Francisco, CA

A335 Targeted Antifungal Prophylaxis in Liver Transplant Recipients: Two Year, Retrospective Cohort Analysis
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A336 † Evaluation of an Invasive Fungal Infection Prophylaxis Strategy after Liver Transplantation at a Large Academic Medical Center
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A337 Profile of Invasive Fungal Disease after Kidney Transplantation in a Single Brazilian Center

A338 Is Exposure to Wildfires Associated with Invasive Fungal Infections?
J. S. Mulliken¹, A. G. Rappold², M. Fung¹, J. M. Babik¹, S. B. Doernberg¹, ¹ Division of Infectious Diseases, University of California San Francisco, San Francisco, CA, ² National Health and Environmental Effects Research Laboratory, United States Environmental Protection Agency, Durham, NC

A339 Target Itraconazole Trough Concentration for Prophylaxis in Lung Transplant
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A340 Candida auris after Liver Transplant
N. M. Theodoropoulos, R. Ellison, J. S. Daly, A. Bozorgzadeh, D. A. Mack, L. Gibson, S. M. Levitz, University of Massachusetts Medical School, Worcester, MA
A341† CCR5-Mediated Recruitment of NK Cells to the Kidney is a Critical Step for Host Defense to Candida albicans Infection
H. R. Cho1, V. G. Tran2, N. N. Nguyen3, S. Lee4, S. W. Kang4, J. Kim4, H. J. Kim4, S. J. Park4, J. S. Lee5, B. Kwon6, 1Department of Surgery, Ulsan University Hospital, Ulsan, Korea, Republic of, 2School of Biological Sciences, University of Ulsan, Ulsan, Republic of Korea, Ulsan, Korea, Republic of, 3School of Biological Sciences, University of Ulsan, Ulsan, Republic of Korea, Ulsan, Republic of, 4Biomedical Research Center, Ulsan University Hospital, School of Medicine, University of Ulsan, Ulsan, Republic of Korea, Ulsan, Korea, Republic of, 5Division of Nephrology, Department of Internal Medicine, Ulsan University Hospital, Ulsan, Korea, Republic of, 6Biomedical Research Center, Ulsan University Hospital, School of Medicine, University of Ulsan, Ulsan, Korea, Republic of

A342 Outbreak of Pneumocystis Pneumonia in a Transplant Center Linked to a Single Genotype of Pneumocystis jirovecii: Effects of Cytomegalovirus Infection and Allograft Rejection
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A343 Evaluation of Pneumocystis jirovecii Pneumonia Prophylaxis among Kidney and Liver Transplant Recipients; Trimethoprim/Sulfamethoxazole vs Alternative Therapies
E. Aldag, C. Pagels, R. Pedersen, I. Nadeem, V. Gunabushanam, A. Sahajpal, T. J. Dilworth, Aurora St Luke’s Medical Center, Milwaukee, WI

A344 Pneumocystis Prophylaxis in Solid Organ Transplant Recipients at Two Large Transplant Centers from 2015-2016: Why Not Trimethoprim-Sulfamethoxazole?
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A345 Phylogenetetic Analysis of the Epstein Barr Virus Nuclear Antigen-1 and Associated Correlates among Canadian Transplant Patients
M. Abdulnoor1, S. Isabel1, T. Paton1, N. Khodai-Booran1, T. Schechter1, P. Birk2, T. Blydt-Hansen3, B. Foster4, S. Mital1, V. Phan6, S. Urschel6, G. Casallo1, T. Papaz1, L. Hamiwka’1, S. Min1, U. Allen1, 1University of Toronto, Toronto, ON, Canada, 2University of Manitoba, Winnipeg, MB, Canada, 3University of British Columbia, Vancouver, BC, Canada, 4McGill University, Montreal, QC, Canada, 5University of Montreal, Montreal, QC, Canada, 6University of Alberta, Edmonton, AB, Canada, 7University of Calgary, Calgary, AB, Canada

A346 Comparison of Proton Pump Inhibitors versus Histamine-2-Receptor Antagonists on Clostridium difficile Rates in Liver Transplant Recipients
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A347† Predictors of Clostridium difficile Infection and Recurrence among 2,622 Solid Organ Transplant Recipients
A. Schluger, R. Rosenblatt, R. Knotts, E. Verna, M. Pereira, Columbia University, New York, NY
Burden of Respiratory Virus Infections in Solid-Organ Transplant Recipients: A Nationwide Multi-Season Cohort Study
M. Mombelli1, D. Neofytos2, J. Aubert1, C. Benden3, C. Berger3, K. Boggian4, A. Egli5, P. Gasche2, H. Hirsch6, C. Hirzel6, N. Mueller3, C. Van Delden2, O. Manuel1, CHUV, Lausanne, Switzerland, HUG, Geneva, Switzerland, USZ, Zurich, Switzerland, KSSG, St. Gallen, Switzerland, USB, Basel, Switzerland, ISB, Bern, Switzerland

Respiratory Viral Infections and Patient Outcomes in Solid Organ Transplant Recipients
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The Impact of Pneumonia after Liver Transplant
N. M. Theodoropoulos, P. Mahboub, A. Bozorgzadeh, University of Massachusetts Medical School, Worcester, MA

Infectious Complications in Kidney Transplant Recipients Age 65 and Older
L. E. Liriano-Ward1, M. Barbachan e Silva2, Y. Azzi1, M. Ajaimy1, A. Cambell1, J. Graham1, J. Rocca1, C. Pynadath1, G. Nair1, O. Andacoglu1, S. Greenstein1, P. O. Broin2, E. Akalin1, Transplant, Einstein/ Montefiore Medical Center, Bronx, NY, School of Mathematics, Statistics & Applied Mathematics, National University of Ireland Galway, Galway, Ireland

Patterns Of Anti-retroviral Use Among U.s. Liver Transplant Candidates With Hiv
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Treatment of Pseudomonas Infection with Beta-Lactams Including Ceftolozane-Tazobactam in Solid Organ Transplant Recipients
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Efficacy of Filgrastim in Solid Organ Transplant Recipients
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A Nurse-Driven Influenza Vaccine Ordering Protocol Improves Vaccination Rates in Abdominal Organ Transplant Recipients
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Need For Protocol Driven Mmr/vzv Serologic Screening
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Impact of a Short Duration, Narrow Spectrum Perioperative Antibiotic Prophylaxis Regimen on Multi-Drug Resistant Surgical Site Infections in Adult Orthotopic Liver Transplantation
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A358 Daptomycin Perioperative Prophylaxis for Prevention of Vancomycin-Resistant Enterococcus Infection in VRE-Colonized Liver Transplant Recipients during the Early Post-Transplant Period
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A359 Impact of Vancomycin-Resistant Enterococci Gut Colonization on Liver Transplant Outcomes
D. Chiang, T. C. Dingle, S. Belga, D. Kabbani, J. Walter, J. G. Abraides, C. Cervera, University of Alberta, Edmonton, AB, Canada

A360 Infectious Complications in 71 Heart Transplant Recipients at King Chulalongkorn Memorial Hospital, Thailand
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A361 Infective Complications after Renal Transplantation - A Single Centre Experience Comparing Alemtuzumab to Basiliximab Induction
R. Czajka, M. Welberry Smith, M. Gittus, E. Lindley, M. Vernon, Renal Medicine, St James’ University Hospital, Leeds, United Kingdom

A362 Cholecystitis in High-Acuity Patients Undergoing Liver Transplantation: A Five-Year Analysis of Incidence, Causes and Impact
D. S. Graham, T. Ito, M. M. Lu, J. DiNocia, V. G. Agopian, H. Yersiz, D. G. Farmer, R. W. Busuttil, F. M. Kaldas, Dumont-UCLA Liver Transplant Center, Department of Surgery, UCLA School of Medicine, Los Angeles, CA

A363 The Economic Impact of Surgical Site Infections in Liver Transplantation
Y. Natori, D. Kumar, A. Humar, S. Husain, C. Rotstein, 1Miami Transplant Institute, University of Miami, Miami, FL, 2Transplant Infectious Diseases, University of Toronto, Toronto, ON, Canada, 3University of Toronto, Toronto, ON, Canada

A364 HTLV Screening among Solid Organ Transplant Candidates at a Large Transplant Center

A365 Donor Derived Cell Free DNA (dd-cfDNA) May Aid in the Diagnosis of BK Virus Nephropathy
D. Brennan, J. Bromberg, J. Yee, S. Dholakia, M. Haas, 1Johns Hopkins, Baltimore, MD, 2University of Maryland School of Medicine, Baltimore, MD, 3CareDx, Brisbane, CA, 4Cedars-Sinai Medical Center, Los Angeles, CA

A366 Real-Life Food Safety Behavior and Incidence of Food-Borne Infections in Solid-Organ Transplant Recipients
M. Lindup, D. Golshayan, M. Pascual, O. Manuel, M. Mombelli, CHUV, Lausanne, Switzerland

A367 † Perceptions and Attitude of Transplant Clinicians towards Antimicrobial Resistance and Stewardship in Transplant Recipients: A Survey of the American Society of Transplantation
M. So, J. Hand, M. Richmond, A. Morris, S. Husain, 1University Health Network, Toronto, ON, Canada, 2Ochsner Medical Center, New Orleans, LA, 3Sinai Health System, Toronto, ON, Canada
Vaccination And Allosensitization In Solid Organ Transplant Candidates


1Pharmacy, University of Chicago Medicine, Chicago, IL,
2Pharmacy, Barnes-Jewish Hospital, St. Louis, MO,
3Pharmacy, Tampa General Hospital, Tampa, FL,
4Internal Medicine, The Johns Hopkins School of Medicine, Baltimore, MD,
5Heart Failure and Heart Transplantation, Washington University School of Medicine, St. Louis, MO,
6Pulmonary and Critical Care Medicine, Washington University School of Medicine, St. Louis, MO
Poster Session B: Ischemia Reperfusion & Organ Rehabilitation

Poster Viewing: 6:00 pm - 7:00 pm
Presenters in Attendance: 6:00 pm - 7:00 pm
Hall C & D

A# indicates the board location where the poster will be displayed.

† Those posters identified as an ATC Poster of Distinction by this symbol have received review scores that place them in the top 10% of their category. The Planning Committee encourages you to make them a priority when you visit the poster session.

B1 Erk-Elk1-mir-711 Signalling In Cardiac Ischemia Reperfusion Injury In Heart Transplantation
H. Zheng, Y. Su, C. Zhu, V. Veramkovich, X. Zheng, Pathology, University of Western Ontario, London, ON, Canada

B2 Treprostinil Attenuates Renal Ischemia-Reperfusion Injury in Rat
M. Ding¹, E. Tolbert², M. Birkenbach³, C. Chung⁴, R. Gohh⁵, F. Akhlaghi⁶, N. Ghonem⁷, ¹Biomedical and Pharmaceutical Sciences, URI, Kingston, RI, ²Nephrology, Rhode Island Hospital, Providence, RI, ³Pathology, Rhode Island Hospital, Providence, RI, ⁴Surgery, Rhode Island Hospital, Providence, RI, ⁵Organ Transplantation, Rhode Island Hospital, Brown University, KINGSTON, RI

B3 Combined Ischemic and Rapamycin Preconditioning Alleviated Liver Ischemia and Reperfusion Injury by Restoring Autophagy in Old Mice
Z. Rao, X. Pan, W. Zhong, Z. Ding, H. Zhou, C. Liu, The First Affiliated Hospital of Nanjing Medical University, Nanjing, China

B4 Epithelial to Mesenchymal Transition: A Cellular Mediator of Ischemic Cholangiopathy after Liver Transplant
N. A. Wickramaratne¹, R. Li², R. C. Fyffe-Freil², T. Tian², M. J. Mangino², ¹VCUHealth, Richmond, VA, ²Department of Surgery, VCUHealth, Richmond, VA

B5 Long Term Cold Ischemia Time in Kidney Transplantation. The Role of Hypothermic Machine Perfusion
G. ADANII, U. BaccaraniI, P. TulissiI, C. Vallone², A. Rinaldi², 'General Surgery and Transplantation, Academic Hospital P. le S.M. della Misericordia, 33100 Udine, Italy, Udine, Italy, ²Nephrology, Dialysis and Kidney Transplantation, Academic Hospital P. le S.M. della Misericordia, 33100 Udine, Udine, Italy

B6 Effects of Omega-3 Fatty Acids on Outcome after Living Donor Right Hepatectomy
S. Lee, J. Kim, G. Choi, J. Joh, S. Lee, Department of Surgery, Samsung Medical Center, Seoul, Korea, Republic of

B7 Activation of Oxidative Stress-Adoptive Responses during Extended Ex Situ Heart Perfusion
S. Hatami, X. Qi, M. Buchko, C. W. White, S. Bozso, S. Himmat, J. Nagendran, D. H. Freed, Department of Surgery, University of Alberta, Edmonton, AB, Canada

B8 Fractalkine is Crucial in Ischemia Reperfusion Injury Related to Acute Rejection in an Allogeneic Heart Transplantation Model
T. Kanzawa¹, D. Tokita¹, T. Yamakawa¹, H. Ishigooka¹, H. Fukuda¹, H. Katsuymata¹, S. Miyairi¹, R. Ishii², T. Hirai¹, K. Saiga¹, M. Okumii¹, T. Imai², K. Tanabe¹, ¹Urology, Tokyo Women’s Medical University, Tokyo, Japan, ²KAN Research Institute, Kobe, Japan

B9 Phenotype and Course of Renal Tubular Cell Death during Cold Ischemia versus Cold Ischemia Followed by Transplant
S. Jain¹, R. Plenter², T. Nydam², A. Jani¹, ¹Renal Division, University of Colorado, Aurora, CO, ²Transplant Microsurgery Program, University of Colorado, Aurora, CO
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Institution/Institute</th>
</tr>
</thead>
<tbody>
<tr>
<td>B10</td>
<td>Hypothermic Machine Perfusion Protects Donation After Cardiac Death Liver Graft Through Gstm1-mediated Cytochrome P450 Exogenous Substance Metabolism Pathway</td>
<td>W. Liang, S. Ye, Z. Zhong, Q. Hu, Y. Wang, Q. Ye, Zhongnan Hospital of Wuhan University, Institute of Hepatobiliary Diseases, Wuhan, China</td>
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<tr>
<td>B11</td>
<td>Inhibition of TLR4 Mediated Programmed Necrosis Does Not Improve Graft Function and Histology in a Murine Kidney Transplant Model</td>
<td>S. Jain¹, R. Plenter², T. Nydam², A. Jani¹, ¹Renal Division, University of Colorado, Aurora, CO, ²Transplant Microsurgery Program, University of Colorado, Aurora, CO</td>
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<tr>
<td>B12</td>
<td>New Reactive Oxygen Species Scavenger Prevents Injury in Ischemia-Reperfusion Injury Model</td>
<td>N. Bath, W. Fahl, R. Redfield III, University of Wisconsin, Madison, WI</td>
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</tr>
<tr>
<td>B13</td>
<td>Quantitative Proteomics Analysis of Ischemia Reperfusion Injured Liver Tissue Provides Insight into Liver Allograft Quality Evaluation</td>
<td>M. Chen, M. Han, W. Ju, Q. Zhao, D. Wang, Z. Guo, X. He, Transplant Center, Sun Yat-sen University, Guangzhou, China</td>
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<tr>
<td>B15</td>
<td>Normothermic Machine Perfusion of Human Kidneys without an Oxygen Carrier</td>
<td>D. Detelich, C. Eymard, M. Aburawi, C. Carroll, K. Uygun, H. Yeh, J. F. Markmann, Massachusetts General Hospital, Boston, MA</td>
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<tr>
<td>B16</td>
<td>Role of Mitochondria, Metabolism and Inflammation: Pathways Influencing Short Term Outcomes Post-Renal Transplantation</td>
<td>S. Bontha¹, A. Bajwa¹, G. Lorenzo², J. Eason³, D. Maluf⁴, V. Mas⁵, ¹Surgery, UTHSC, Memphis, TN, ²Northwestern University, Chicago, IL, ³Director of Transplant Institute UTHSC, Memphis, TN, ⁴UTHSC, Memphis, TN, ⁵Director of Transplant Research Institute, Memphis, TN</td>
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<td>B17</td>
<td>Stabilization of Cell Junctions Ameliorates the Effects of Brain Death Induced Acute Lung Injury Post-Transplantation</td>
<td>D. P. Allen¹, Z. Tu¹, C. Wallace¹, C. Li¹, J. Kilken², K. J. Patel¹, D. Nord³, S. N. Nadig¹, C. Atkinson², ¹Surgery, Medical University of South Carolina, CHARLESTON, SC, ²Microbiology &amp; Immunology, Medical University of South Carolina, CHARLESTON, SC</td>
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<td>B18</td>
<td>Microvascular Rarefaction and Long-Term Graft Dysfunction in Kidney Transplant Recipients with Delayed Graft Function</td>
<td>A. Doreille, S. Larivière-Beaudoin, A. Karakeussian-Rimbaud, M. Hébert, M. Dieudé, N. Patey, H. Cardinal, ¹Centre de Recherche du Centre Hospitalier de l'Université de Montréal (CRCHUM), Montreal, QC, Canada</td>
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<td>B19</td>
<td>Pgc1α Protects against Graft Ischemic Injury and Reduces Alloimmunity</td>
<td>T. J. Borges¹, M. T. Tran², S. Cai¹, N. Murakami¹, A. Uffing¹, M. Uehara¹, E. P. Rhee³, S. M. Parikh¹, L. V. Riella¹, ¹Schuster Transplantation Research Center, Brigham &amp; Women’s Hospital, Harvard Medical School, Boston, MA, ²Division of Nephrology and Center for Vascular Biology Research, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, ³Nephrology Division, Massachusetts General Hospital, Boston, MA, ⁴Division of Nephrology and Center for Vascular Biology Research, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA</td>
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**B20** CD47 Blockade Promotes Hepatic Macrophage Polarization toward M1 during Normothermic Machine Perfusion of Discarded Human Livers
M. Xu1, F. Zhou1, S. Garcia-Aroz1, B. Banan1, W. Yang3, G. Upadhyya1, K. Byrnes3, B. Wong1, P. Manning3, Y. Lin1, W. Chapman1, 1Department of Surgery, Washington University School of Medicine, St. Louis, MO, 2Department of Genetics, Washington University School of Medicine, St. Louis, MO, 3Department of Pathology and Immunology, Washington University School of Medicine, St. Louis, MO, 4Arch Oncology, St. Louis, MO, USA, St. Louis, MO

**B21** Impact of an Intra-Abdominal Cooling Device during Open Kidney Transplantation in Pigs
A. Longchamp1, R. P. Meier2, N. Colucci3, A. Balaphas3, L. Orci3, A. Nastasi3, G. Longchamp1, S. Moll4, A. Klauser4, F. Lazeyras4, M. Pascual5, J. Corpataux7, L. Bühler6, 1Department of Vascular Surgery, CHUV, Lausanne, Switzerland, 2Department of Surgery, University of California San Francisco, San Francisco, CA, 3Department of Surgery, HUG, Geneva, Switzerland, 4Department of Pathology, HUG, Geneva, Switzerland, 5Department of Radiology, HUG, Geneva, Switzerland, 6Department of Transplantation, CHUV, Lausanne, Switzerland, 7Department of Vascular Surgery, CHUV, Lausanne, Switzerland, 8Department of Surgery, CHUV, Lausanne, Switzerland

**B22** Estrogen Mediated Protection in Renal Ischemia Reperfusion Injury (IRI) is Extrinsic to the Kidney
D. D. Aufhauser1, S. J. Concors1, P. T. Hernandez1, Z. Wang1, L. Krumeich1, D. R. Murken1, G. Ge1, W. W. Hancock2, M. H. Levine1, 1Surgery, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA, 2Pathology, Children’s Hospital of Philadelphia, Philadelphia, PA

**B23** Metabolic Profiling of Steatotic Human Livers during Ex-Vivo Normothermic Machine Perfusion
S. Raigani1, N. Karimian2, V. Huang2, S. Geerts2, S. Nappal2, K. Uygur1, M. Yarmush1, H. Yeh1, 1Transplant Surgery, Massachusetts General Hospital, Boston, MA, 2Center for Engineering in Medicine, Shriners Childrens Hospital, Boston, MA

**B24** Ceria-Zirconia Nanoparticles as an Enhanced Antioxidant Attenuates Apoptosis of Human Kidney Proximal Tubular Epithelial Cells in Hypoxia
S. Yoon1, K. Yoon2, S. Hong3, S. Yun1, W. Hwang1, J. Moon4, J. Lee5, H. Jeon1, 1Nephrology, Konkuk University Hospital, Daejeon, Korea, Republic of, 2Hannam University, Daejeon, Korea, Republic of, 3Chemistry, Hannam University, Daejeon, Korea, Republic of, 4General Surgery, Konkuk University Hospital, Daejeon, Korea, Republic of

**B25** Histone Deacetylase-8 (HDAC8) Inhibition is Protective in a Murine Model of Renal Ischemia Reperfusion Injury (IRI)
P. T. Hernandez1, S. J. Concors1, D. D. Aufhauser1, L. Krumeich1, Z. Wang1, G. Ge1, A. Beeler2, M. Levine1, W. Hancock3, 1Hospital of the University of Pennsylvania, Philadelphia, PA, 2Chemistry, Boston University, Boston, MA, 3Children’s Hospital of Philadelphia, Philadelphia, PA

**B26** Transfer of Healthy Mitochondria in Established Ischemic Injury Reduces Progression to Interstitial Fibrosis and Tubular Atrophy
A. Bajwa1, V. Bontha1, D. Maluf1, J. Eason2, V. Mas2, 1UTHSC, Memphis, TN, 2Director of Transplant Institute, Memphis, TN, 3Director of Transplant Research Institute, Memphis, TN

**B27** Ischemia-Free Liver Transplantation Protects Bile Duct from Ischemia/Reperfusion Injury
J. Yang, S. Huang, Z. Zhang, Q. Zhao, W. Ju, Z. Zhu, Y. Tang, L. Wang, Y. Zhang, C. Sun, L. Wu, Z. Guo, X. He, 1Organ Transplant Center, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China
<table>
<thead>
<tr>
<th>Poster Session B: Biomarkers, Immune Monitoring and Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B28</strong> Cryopreservation Allows for Extended Graft Survival in a Rat Orthotopic Hind Limb Model</td>
</tr>
<tr>
<td>S. A. Fidder¹, B. Oh¹, F. Messner¹, G. Furtmueller¹, K. Helke², E. Greene³, Z. Chen³, L. Campbell⁴, G. Brandacher¹, K. Brockbank³, ¹Department of Plastic and Reconstructive Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, ²Department Of Comparative Medicine, Medical University of South Carolina, Charleston, SC, ³Tissue Testing Technologies LLC, Charleston, SC</td>
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<td><strong>B29†</strong> Sequestration of PLIN2 Regulates High-Fat Diet Induced Metabolic Syndrome and Nonalcoholic Fatty Liver Disease in a Mouse Model of Ischemia Reperfusion Injury</td>
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<td>K. Loh¹, X. Liu¹, L. Belyayev¹, C. Albanese², W. Cui³, T. M. Fishbein¹, K. M. Khan¹, A. Kroemer¹, ¹Transplant, MedStar Georgetown Transplant Institute, Washington, DC, ²Oncology, Georgetown University, Washington, DC</td>
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<td><strong>B30</strong> The Impact of Thrombin / Protease-Activated Receptor-1 Pathway in Hepatic Ischemia-Reperfusion Injury in Mice</td>
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<td>D. Noguchi, N. Kuriyama, T. Fujii, H. Kato, M. Kishiwada, S. Mizuno, M. Usui, H. Sakurai, S. Isaji, Hepatobiliary Pancreatic and Transplant Surgery, Mie University Graduate School of Medicine, Tsu City, Mie, Japan</td>
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<tr>
<td><strong>B31</strong> Predicting Risk of Cytomegalovirus with Viral-Antigen-Specific CD154+ T-cells after Liver or Intestine Transplantation</td>
</tr>
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<td>C. Ashokkumar, K. Soltys, M. Green, G. Mazariogos, G. Bond, K. Jones, A. Rzempoluch, M. Zaccagnini, P. Sethi, B. W. Higgs, R. Sindhi, Childrens Hospital of Pittsburgh of UPMC, Pittsburgh, PA</td>
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<tr>
<td><strong>B32</strong> Long-Term Exposure to Particulate Matter Air Pollution and the Risk of Graft Failure and Mortality in Kidney Transplant Recipients</td>
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<td>Y. Kim¹, S. Kwon¹, J. Park², J. Lee³, ¹Internal Medicine, Seoul National University Hospital, Seoul, Korea, Republic of, ²Internal Medicine, Dongguk University Ilsan Hospital, Goyang, Korea, Republic of, ³Internal Medicine, Seoul National University Boramae Medical Center, Seoul, Korea, Republic of</td>
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B37 † Viability Testing and Transplantation of Marginal Donor Livers (VITTAL)  
Trial Outcomes: Proteomic Analysis of Perfusates from Livers Undergoing Normothermic Machine Liver Perfusion Reveals Biomarkers Predictive of Graft Viability and Post-Transplant Complications  
S. Afford¹, L. Wallace¹, J. Attard¹, Y. Boteon¹, R. Laing¹, J. Yu², T. Perera³, D. Mirza⁴, H. Mergental⁵, ¹Centre for Liver and Gastroenterology Research, University of Birmingham, Birmingham, United Kingdom, ²The School of Biosciences Proteomics Facility, University of Birmingham, Birmingham, United Kingdom, ³Liver Unit, Queen Elizabeth University Hospital, Birmingham, United Kingdom, ⁴Liver Unit, The Queen Elizabeth University Hospital, Birmingham, United Kingdom, ⁵The Liver Unit, Queen Elizabeth University Hospital, Birmingham, United Kingdom
Dissecting The Role Of Donor Acute Kidney Injury On Molecular Responses Post-transplantation
S. Bontha1, D. Maluf1, E. Akalin2, L. Gallon1, J. Eason4, V. Mas5,UTHSC, Memphis, TN, Albert Einstein Medical College, Bronx, NY, Northwestern University, Chicago, IL, Director of Transplantation, Memphis, TN, Director of Transplant Research, Memphis, TN

Immunobiogram, a New IVD Immunoassay to Test the Sensitivity Profile of Kidney Transplant Recipients to Immunosuppressive Drugs: Further Results from BH-Pilot Study
C. Jimenez1, J. M. Portoles2, D. Blánquez3, L. Arribas3, A. Ortega4, T. Diez5, I. Portero6, Nephrology Department, La Paz Hospital, Madrid, Spain, Nephrology Department, Puerta de Hierro Mahadahonda Hospital, Madrid, Spain, Adams Engineering Consulting, Madrid, Spain, I+D, Biohope, Madrid, Spain, Medical, Biohope, Madrid, Spain, CEO, Biohope, Madrid, Spain

Increased Ratio of Circulating Tfh for Tfr Cells in Chronic Renal Allograft Dysfunction: A Pilot Study
L. Yan, Y. Li, Y. Li, X. Wu, X. Wang, L. Wang, Y. Shi, J. Tang, West China Hospital OF Sichuan University, Chengdu, China

Urinary Extracellular Vesicles-Related Protein Biomarkers for the Non-Invasive Monitoring of Rejection in Kidney Transplanted Patients
L. Carreras-Planella1, I. Bancü2, D. Cucchiari3, L. Cañas2, J. Juega2, M. Franquesa1, M. Perez-Mir3, I. Revuelta2, F. Diekmann4, R. Lauzurica4, F. Borràs1, REMAR-IVECAT Group, Institut Germans Trias i Pujol, Badalona, Spain, Nephrology- Renal Transplant Unit, Hospital Universitari Germans Trias i Pujol, Badalona, Spain, Dept. Nefrologia i Trasplantament Renal, Institut Clínica Nefrologia i Urologia (ICNU), Hospital Clinic, Barcelona, Spain, Dept. Nefrologia i Trasplantament Renal, Institut Clínica Nefrologia i Urologia (ICNU), Hospital Clinic, Badalona, Spain

Broadly Profiling the Activation Status of Circulating Immune Cells in Chronic Active Antibody Mediated Rejection Reveals Increased CD38 and CD16 Expression on Monocytes and NK Cells
K. Sablik, N. Litjens, M. Klepper, M. Betjes, Erasmus MC, Rotterdam, Netherlands

Development of De Novo DSA after Kidney Transplant Correlates with Low Quantity of Peripheral Blood “Antibody-Suppressor” CD8+ T Cells
J. Zimmerer1, M. Basinger1, B. Ringwald1, R. Pelletier1, A. Rajabi1, A. El-Hinnawi1, M. Abdel-Rousoul2, H. Parekh3, K. Washburn1, G. Bumgardner1, Surgery, The Ohio State University Wexner Medical Center, Columbus, OH, Center for Biostatistics, The Ohio State University Wexner Medical Center, Columbus, OH, Clinical Histocompatibility Laboratory, The Ohio State University Wexner Medical Center, Columbus, OH

Post-Transplant Lymphopenia is Associated with Higher Risk of Graft Failure, Death and Viral Infections
A. Dujardin1, M. Lorent2, C. Kerleau3, S. Brouard3, M. Giral1, Nephrology, Nantes University Hospital, Nantes, France, UMR_S 1246, INSERM, Nantes, France, CRTI UMR 1064, Inserm, Nantes, France

The Number of Donor-Specific IL-21 Producing Cells before and after Transplantation Predicts Kidney Graft Rejection
N. M. van Besouw1, L. Yan1, R. de Kuiper1, M. Klepper1, D. Reijerkerk1, M. Dieterich1, D. L. Roelen2, F. H. Claas2, M. C. Clahsen-van Groningen3, D. A. Hesselink1, C. C. Baan1, Internal Medicine - Nephrology & Transplantation, Erasmus MC, University Medical Center Rotterdam, Rotterdam, Netherlands, Immunohematology and Blood Transfusion, Leiden University Medical Centre, Leiden, Netherlands, Pathology, Erasmus MC, University Medical Center Rotterdam, Rotterdam, Netherlands
B52 Functional Dependence, Access to Kidney Transplantation and Waitlist Mortality
A. Muzaale1, N. Chu1, H. Ying1, S. Norman2, S. Sison1, D. Segev1, M. McAdams-Demarco1, JHU, Baltimore, MD, UM, Ann Arbor, MI

B53 † ICOS+PD-1+ Circulating T Follicular Helper Cells Are a Biomarker of Humoral Alloreactivity and Predict Donor-Specific Antibody Generation Following Transplantation
G. M. La Muraglia II, M. E. Wagener, M. L. Ford, I. R. Badell, Emory Transplant Center, Atlanta, GA

B54 Studying the Association of Melanocortin Receptor-4 Gene Polymorphism and Renal Transplant Rejection
F. Yilmaz1, R. Abdi1, B. J. Keating2, V. R. Mas3, Renal Division, Transplantation Research Center, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, Surgery, Perelman School of Medicine University of Pennsylvania, Philadelphia, PA, Director Transplant Research Institute, Department of Surgery, The University of Tennessee Health Science Center, Memphis, TN

B55 Patient Reported Side Effects Associated with Reduced Quality of Life after Living Donor Kidney Transplant
J. Peipert, J. C. Caicedo-Ramirez, K. Ensor, J. Friedewald, M. Abecassis, D. Cella, D. Ladner, Z. Butt, Northwestern University, Chicago, IL

B56 CNV Screening For End-stage Renal Disease
C. E. Fishman, B. Chang, A. Shaked, B. J. Keating, Surgery, University of Pennsylvania, Philadelphia, PA

B57 The Value of SCS Perfusate Biomarkers for Predicting DGF of DCD Donor Kidneys
X. Li, W. Wang, X. Zhang, Beijing Chaoyang Hospital, Capital Medical University, Beijing, China

B58 Use of TruGraf Serial Testing for Confirming Stability in Kidney Transplant Patients with Stable Renal Function
V. Peddi1, C. Scheive2, S. Rose2, M. First2, California Pacific Med Ctr, San Francisco, CA, Transplant Genomics Inc, Mansfield, MA

B59 Metabolomic Study Of Sarcopenia In Patients Prior To Liver Transplantation
S. Ries1, N. J. Skill1, E. Campbell1, R. Daniel2, C. A. Kubal1, M. S. Richard1, M. A. Maluccio1, Surgery, Indiana University, Indianapolis, IN, University of Washington, Seattle, WA

B60 Torque Teno Virus is a Prognostic Biomarker for Acute Biopsy-Proven Alloreactivity in Kidney Transplants
K. Doberer, Dpt. of Internal Medicine III, Div. of Nephrology and Dialysis, Medical University of Vienna, Vienna, Austria

B61 † Pharmacological Enhancement of Bile Duct Preservation and Function during Ex-Situ Normothermic Machine Perfusion
Y. L. Boteon, J. Attard, A. P. Boteon, L. Wallace, G. Reynolds, D. Mirza, H. Mergental, R. Bhogal, S. Afford, Institute of Immunology and Immunotherapy, University of Birmingham, Birmingham, United Kingdom

B62 † Contribution of CD38 to Methionine Choline Deficient (MCD) Diet-Induced Liver Injury in Rats
J. Kim, Y. Lee, B. F. Reader, C. Akateh, K. R. Maynard, K. W. Washburn, J. L. Zweier, B. A. Whitson, S. M. Black, Department of Cardiac Surgery, The Ohio State Univ. Medical Center, Columbus, OH

B63 Comparison between Urine and Blood NGAL for Early Prediction of Delayed Graft Function in Adult Kidney Transplant Recipients: A Systematic Review and Meta-Analysis
Y. Li, Y. Li, L. Yan, H. Wang, X. Wu, J. Tang, L. Wang, Y. Shi, Department of Laboratory Medicine, West China Hospital, Chengdu, China
**B64** † HuR Dictates HO-1 Expression, Modulates Inflammation and Influences Recipient Outcomes in Liver Transplant Patients

**B65** Pre-Treatment Lymphocyte Status in HCC Patients Associates with DEB-TACE Response and Correlates with Increased Regulatory Immune Cells
K. Nunez¹, T. Sandow², S. Robertson¹, P. Thevenot¹, A. Cohen¹, ¹Ochsner Health System, New Orleans, LA, ²Interventional Radiology, Ochsner Health System, New Orleans, LA

**B66** Use of Anti-Vimentin Antibodies as a Possible Marker for Graft Dysfunction Following Renal Transplant, a Prospective Study
E. Acosta¹, T. Divanyan¹, D. Patel¹, F. Jourd’heuil², D. Jourd’heuil², R. Lopez-Soler³, ¹Albany Medical College, Albany, NY, ²Molecular and Cellular Physiology, Albany Medical College, Albany, NY, ³Surgery, Section of Transplantation, Albany Medical College, Albany, NY

**B67** High Prevalence of Allergic Disorders but No Specific Immune Phenotype Pattern in Children Awaiting Transplantation
T. B. Kim¹, Y. Avitzur², L. Ionescu¹, U. Allen², S. Mital³, B. Foster³, T. Blydt-Hansen⁴, L. Hamiwka⁵, P. Birk⁶, V. Phan⁷, S. Urschel¹, ¹University of Alberta, Edmonton, AB, Canada, ²Hospital for Sick Children, Toronto, ON, Canada, ³McGill University, Montreal, QC, Canada, ⁴University of British Columbia, Vancouver, BC, Canada, ⁵University of Calgary, Calgary, AB, Canada, ⁶University of Manitoba, Winnipeg, MB, Canada, ⁷Université de Montréal, Montreal, QC, Canada

**B68** Personality Traits of Liver Transplant Candidates - Unappreciated Challenges
D. Ladner¹, J. Lai², A. N. Hall¹, E. D. Bastarache¹, A. Daud¹, T. Bogg³, A. Lebsack¹, T. Kalume¹, D. Mroczek¹, ¹Northwestern University, Chicago, IL, ²UCSF, San Francisco, CA, ³Wayne State University, Chicago, IL

**B69** † Donor-Recipient HLA Mismatched Peptides Calculated by PIRCHE Algorithm Associate with De Novo Donor-Specific Cellular and Humoral Alloreactivity and Predicts Inferior Graft Outcome
M. Meneghini¹, E. Crespo², M. Niemann³, A. Torija⁴, E. Melilli⁴, M. Jarque⁵, N. Montero⁴, J. Cruzado¹, J. Grinyo¹, O. Bestard¹, ¹Kidney Transplantation Unit, Bellvitge University Hospital- IDIBELL, L’Hospitalet de Llobregat. Barcelona, Spain, ²Experimental Nephrology Laboratory, IDIBELL, L’Hôpitalet de Llobregat. Barcelona, Spain, ³PIRCHE AG, Berlin, Germany, ⁴Kidney Transplantation Unit, Bellvitge University Hospital, L’Hôpitalet de Llobregat. Barcelona, Spain

**B70** Global Analysis of Fc-gamma Receptors Binding Capacity of Human Leukocyte Antigen Donor Specific Antibody
E. S. Woodle, A. Girnita, University of Cincinnati Academic Health Center, Cincinnati, OH

**B71** Higher Post-Transplant CXCL13 Correlates with the Occurrence of Infection within 1 Year after Kidney Transplantation
Y. Li¹, Y. Li², L. Yan¹, L. Wang¹, Y. Shi³, J. Tang¹, ¹Department of Laboratory Medicine/Research Centre of Clinical Laboratory Medicine, West China Hospital, Chengdu, China, ²Department of Nephrology, West China Hospital, Chengdu, China
**B72** Paradoxical Differential Post-transplant Rates Of Change Of Serum Proteins In Pediatric Liver Patients With Evidence For A Novel Sarcopenic-dependent Serum Protein Stimulating Factor
C. M. Schmidt1, J. Molleston2, G. S. Rao3, C. A. Kubal1, S. Atota1, R. S. Mangus1, 1Surgery, Transplant Division, Indiana University, Indianapolis, IN, 2Pediatrics, Division of GI and Hepatology, Indiana University, Indianapolis, IN

**B73** Chemokine Ligand 14 is a Novel Therapeutic Target in Kidney Fibrosis
S. Lee1, Y. Kim1, J. Moon1, H. Lee1, S. Han1, J. Lee2, R. Cha3, D. Kim1, C. Lee4, K. Kim3, Y. Kim1, S. Yang6, 1Internal Medicine, Seoul National University Hospital, Seoul, Korea, Republic of, 2Internal Medicine, Boramae Medical Center, Seoul, Korea, Republic of, 3Internal Medicine, National Medical Center, Seoul, Korea, Republic of, 4Internal Medicine, Cheju Halla University Hospital, Jeju, Korea, Republic of, 5Biomedical Science, Seoul National University, Seoul, Korea, Republic of, 6Seoul National University College of Medicine, Seoul, Korea, Republic of

**B74** Need of a New Formula to Estimate Creatinine Clearance in Immediate Post Kidney Transplant Period with Functioning Allograft
A. B. Jain1, U. Farooq2, A. Brooks1, T. Dohi1, F. Butti1, Z. Kadry1, 1Surgery (Transplant), Penn State Milton Hershey Medical Center, Hershey 17033, PA, 2Medicine (Nephrology), Penn State Milton Hershey Medical Center, Hershey, PA

**B75** Pre-Transplant Multidimensional Flow Cytometric Analysis of Kidney Transplant Recipients Reveals Novel Immune Signature of Allograft Rejection
P. Schroder1, J. S. Yi1, K. J. Weinhold1, C. Chan2, M. Joshi3, C. Walters3, J. Kwun1, S. J. Knechtel1, 1Department of Surgery, Duke University Medical Center, Durham, NC, 2Department of Biostatistics and Bioinformatics, Duke University Medical Center, Durham, NC, 3Substrate Services Core and Research Support, Duke University Medical Center, Durham, NC

**B76** Relationship between HLA-DPB1 Gene Expression in Pre-Implantation Kidney Biopsies, Rs9277534 Polymorphism, and Late Graft Function
K. L. Mine1, T. B. Mourão1, C. Felipe6, G. F. Rampim1, J. O. Medina-Pestana2, H. Tedesco-Silva2, M. Gerbase-DeLima1, 1Immunogenetics Institute, Associação Fundo de Incentivo a Pesquisa - AFIP, Sao Paulo, SP, Brazil, 2Hospital do Rim, Sao Paulo, SP, Brazil

**B77** Absence of Non Alcoholic Fatty Liver Disease in Allografts from Morbidly Obese Donors: A Marker for Success?
M. MacConmara, A. Mufti, S. Hanish, T. Kerr, P. Vagefi, C. Hwang, Surgery (Division of Surgical Transplantation), UT Southwestern, Dallas, TX

**B78** Normothermic Ex-Situ Liver Perfusion Parameters of Liver Viability in a Porcine Model of Liver Transplantation with Marginal Grafts
I. Linares-Cervantes1, J. Echeverri1, S. Cleland1, M. Kaths1, R. Rosales1, T. Goto1, D. Kollmann1, M. Hamar1, P. Urbanellis1, L. Mazilesclu1, S. Ganesh1, O. Adeyi1, P. Yip1, B. Bojko2, P. Gorynka2, K. Gorynski2, D. Grant1, N. Selzner1, M. Wasowicz1, M. Selzner1, 1Toronto General Hospital, Toronto, ON, Canada, 2University of Nicolaus Copernicus, Torun, Poland

**B79** Evaluation of Liver Function and Biomarkers Predicts Tumor Progression in Treatment-Naïve Hepatocellular Carcinoma Patients
B80 † Combined Pre-Transplant Anti-Donor T-Cell Sensitization with Single Nucleotid Polimorphisms (SNPs) for CYP3A4 Tacrolimus Metabolism Identifies Kidney Transplant Patients at High Risk of Allograft Rejection
E. Crespo¹, A. Vidal¹, A. Sefrin², P. Fontova¹, M. Stein², H. Volk², J. Grinyó³, P. Reinke², N. Lloberas¹, O. Bestard³, ¹Experimental Nephrology Laboratory, IDIBELL, L’Hospitalet de Llobregat, Barcelona, Spain, ²Nephrology, Charité Campus Virchow-Klinikum, Berlin, Germany, ³Kidney Transplant Unit, Bellvitge University Hospital- IDIBELL, L’Hospitalet de Llobregat. Barcelona, Spain

B81 Subclinical Antibody Mediation Rejection in Stable Kidney Recipients with De Novo Donor Specific Antibodies and Correlation with Donor Derived Cell Free DNA Testing
A. P. Bregman, E. J. Stites, J. Gralla, A. Wiseman, J. E. Cooper, Kidney and Pancreas Transplant, University of Colorado-Denver, Aurora, CO

B82 Nephrotoxicity Caused by Calcineurin Inhibitors is Mediated by BAX, NOL3 and XIAP Apoptotic Genes Dysregulation
G. Queipo¹, M. Fonsecha-Sanchez¹, J. Sanchez¹, L. Garcia¹, M. Carmona², E. Villanueva¹, G. Melendez¹, L. Morales-Buenrostro³, M. Alamilla¹, ¹Hospital General de Mexico-Eduardo Liceaga Facultad de Medicina UNAM, Mexico City, Mexico, ²Facultad de Medicina UNAM, Mexico City, Mexico, ³Instituto Nacional de Ciencias Médicas Salvador Zubirán, Mexico City, Mexico

B83 Multi-Center Validation of TruGraf V2 - A Peripheral Blood Diagnostic for Subclinical Kidney Rejection
C. Marsh¹, S. Kurian¹, C. Schieve², R. Heilman³, M. Stegall⁴, S. Rose², J. Case¹, J. Friedewald⁵, M. Abecassis⁶, R. First⁶, ¹Scripps Health, La Jolla, CA, ²Transplant Genomics Inc., Mansfield, MA, ³Mayo Clinic, Scottsdale, AZ, ⁴Mayo Clinic, Rochester, MN, ⁵Northwestern University, Chicago, IL

B84 First UK Experience of the Molecular Microscope (MMDX™) in the Kidney Transplant Clinic
C. Lawrence¹, S. Thiru², A. Manoj¹, S. Fluck¹, ¹Renal Medicine, The Lister Hospital, Stevenage, United Kingdom, ²Histopathology, Addenbrookes Hospital, Cambridge, United Kingdom

Poster Session B: Heart and VADs: All Topics

B85 Association between Recipient Sex and Risk of Heart Graft Failure
A. Chackowicz¹, X. Zhang², M. Dahhou², R. Sapir-Pichhadze³, H. Cardinal⁴, B. Foster⁵, ¹Faculty of Medicine, McGill University, Montreal, QC, Canada, ²Research Institute of the McGill University Health Centre, Montreal, QC, Canada, ³Dept. of Medicine, McGill University, Montreal, QC, Canada, ⁴Dept. of Medicine, Université de Montréal, Montreal, QC, Canada, ⁵Dept. of Pediatrics, McGill University, Montreal, QC, Canada

B86 Role of Kidney Biopsy in Simultaneous Heart-Kidney Transplantation
P. B. Shah¹, M. A. Josephson¹, K. Henriksen², A. Chang², ¹Nephrology, University of Chicago Medicine, Chicago, IL, ²Pathology, University of Chicago Medicine, Chicago, IL

B87 † Pre-Transplant Ventricular Assist Device (VAD) Impacts Heart Transplant (HT) Survival
M. S. Gharibdousti¹, M. T. Khasawneh², A. L Friedman³, ¹Research, LiveOnNY, Manhattan, NY, ²Binghamton University, Binghamton, NY, ³LiveOnNY, Manhattan, NY

B88 Prognostic Value Of Dobutamine Stress Echocardiography In Heart Transplantation Recipients
A. Singhvi, R. Araujo-Gutierrez, M. H. Park, A. Bhimaraj, B. H. Trachtenberg, I. Hussain, A. Guha, Division of Cardiology/ JC Walter Jr. Transplant Center, Houston Methodist Hospital, Houston, TX
B89  Outcome Of Late Biopsy-negative Rejection After Heart Transplantation  
M. Kittleson, J. Patel, E. Kransdorf, S. Dimbil, R. Levine, J. A. Kobashigawa, 
Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

B90  Could Intravenous Iron Strengthen The Chances Of Heart Transplantation For Patients With Left Ventricular Assist Devices?  
A. Mardis, C. Mardis, J. Barham, A. Poole, S. Branham, R. Napier, J. Martin, P. McCann, 
1Department of Pharmacy, Palmetto Health, Columbia, SC, 2Clinical Pharmacy and Outcomes Sciences, University of South Carolina, Columbia, SC, 
3Cardiothoracic Surgery, Palmetto Health, Columbia, SC, 
4Cardiology, Palmetto Health, Columbia, SC

B91  Impact of HLA Mismatches and Cytomegalovirus Seropositivity on Outcomes Following Heart Transplantation  
A. Singhvi, R. Araujo-Gutierrez, M. H. Park, A. Bhimaraj, B. H. Trachtenberg, I. Hussain, A. Guha, 
Division of Cardiology/ JC Walter Jr. Transplant Center, Houston Methodist Hospital, Houston, TX

B92  Rejection, Infectious, and Renal Outcomes with Perioperative Desensitization in Orthotopic Heart Transplant Recipients  
M. Plazak, B. Reed, S. Hammad, S. Gale, V. Ton, D. Kaczorowski, T. Trobiano, B. Ravichandran, 
University of Maryland Medical Center, Baltimore, MD

B93  Increasing Doses of Pain Medications Pre-Heart Transplant as a Risk Factor for Outcomes after Transplant  
Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

B94  Prevalence of Donor Specific Antibody in Heart Transplant Recipients with Antibody-Mediated Rejection as Compared to Abnormal Intragraft mRNA Transcripts by Molecular Microscope System  

B95  Unfair Waiting Time Calculation? Impact of Accumulated Wait Time Restart with a Decrease in Status from 1A to 1B or 2 on Mortality of Heart Transplant Candidates  
S. Yu, M. Kosztowski, M. Waldram, D. L. Segev, A. B. Massie, 
Department of Surgery, Johns Hopkins, Baltimore, MD

B96  Amiodarone And Primary Graft Dysfunction In Heart Transplantation: Reality Or Myth?  

B97  3-year Outcome Of Heart Transplantation In Patients With Amyloidosis  

B98  Reference Ranges Donor-Derived Cell-Free DNA in a Heart Transplant Population  
A. Kao, S. Dholakia, M. Deng, 1Saint Luke’s, Kansas City, MO, 2CareDx, Brisbane, CA, 3University of Los Angeles, Los Angeles, CA

B99  Influence Of HLA-DR Mismatches On Long Term Outcomes Following Heart Transplantation  
A. Singhvi, R. Araujo-Gutierrez, M. H. Park, A. Bhimaraj, B. H. Trachtenberg, I. Hussain, A. Guha, 
Division of Cardiology/ JC Walter Jr. Transplant Center, Houston Methodist Hospital, Houston, TX
B100 Donor, Recipient Indices and Frailty Predict Outcomes after Heart-Kidney Transplantation
C. Beifeld¹, V. Di Guardi¹, K. Lau¹, A. Di Carlo¹, S. Karhadkar², ¹Surgery, Temple University Hospital, Philadelphia, PA, ²Temple University Hospital, Philadelphia, PA

B106 Immune Privilege May Predispose Patients after Orthotopic Heart Transplantation to Develop Recipient to Donor Atrial Connections Associated with Atrial Arrhythmias
B. Herweg¹, M. Nellayappan¹, T. Tran¹, G. Mabry¹, K. Weston¹, H. J. Eisen², M. Weston³, ¹Cardiovascular Sciences, University of South Florida, ²College of Medicine, Tampa, FL, ³Heart and Vascular Institute, Pennsylvania State University, Hershey, PA, ⁴Tampa General Hospital, Tampa, FL

B101 Anemia and Hemolysis on Dapsone Despite Normal Glucose-6-Phosphate Dehydrogenase Activity in Heart Transplant Recipients
K. Lor, E. Kransdorf, J. Patel, M. Kittleson, D. Chang, J. A. Kobashigawa, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

B107 Mycophenolic Acid Area under the Curve Monitoring via Limited Sampling Strategy in Pediatric Heart Transplant Recipients
S. Crow, S. H. Dahl, J. N. Johnson, Mayo Clinic, Rochester, MN

B102 Effect of DSA-Free Heart Allocation on Children
M. Skeans¹, J. Pyke¹, K. Audette¹, R. White², W. Mahle³, A. Savage⁴, J. Smith⁵, ¹SRTR, Minneapolis, MN, ²Children’s Hosp, Philadelphia, PA, ³Emory Univ., Atlanta, GA, ⁴Med University of SC, Charleston, SC, ⁵Seattle Children’s Hosp, Seattle, WA

B108 Exercise after Heart Transplantation: What is the Reality?
A. Velleca, K. Norland, N. Musto, N. Mikhail, H. Barone, G. Jamero, R. J. Levine, S. Dimbil, R. Sharoff, E. Passano, J. A. Kobashigawa, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

B103 Association Between Cumulative Pre-transplant Amiodarone Dose And Post-transplant Outcomes After Heart Transplantation
K. Lang¹, M. Sullivan², P. Simone¹, S. Patel¹, L. M. Lourenco¹, ¹Pharmacy, University of Chicago Medicine, Chicago, IL, ²Pharmacy, Northwestern Medicine, Chicago, IL

B109 First Experience For Cold Storage Of Donor Hearts With Paragonix SherpaPak
L. Stastny¹, M. Kofler¹, D. Höfer¹, G. Pölzl², R. Breitkopf², M. Grimm³, H. Antretter¹, J. Dumfarth¹, ¹Cardiac Surgery, Medical University Innsbruck, Innsbruck, Austria, ²Internal Medicine, Medical University Innsbruck, Innsbruck, Austria, ³Intensive Care Unit, Medical University Innsbruck, Innsbruck, Austria

B104 † Idarucizumab For The Reversal Of Dabigatran In Patients undergoing Heart Transplantation
J. Van Keer¹, T. Vanasseche¹, W. Droogne¹, S. Rex², F. Rega², J. Van Cleemput², P. Verhamme¹, M. Naesens³, ¹Cardiology, University Hospitals Leuven, Leuven, Belgium, ²Anesthesiology, University Hospitals Leuven, Leuven, Belgium, ³Cardiovascular Surgery, University Hospitals Leuven, Leuven, Belgium, ⁴Nephrology, University Hospitals Leuven, Leuven, Belgium

B110 Is Muscular Dystrophy A Contraindication To Heart Transplantation?

B105 Outcome Of Left Main Stenting After Heart Transplantation
S. Dimbil, J. Patel, B. Azarbal, M. Kittleson, R. Levine, D. H. Chang, J. A. Kobashigawa, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA
B111 The Use Of First-year Intravascular Ultrasound In The Tacrolimus Era In Heart Transplantation
S. Dimbil1, M. Kittleson1, J. Patel1, D. Geft1, R. Cheng1, R. Levine1, T. Sato1, L. Czer1, R. Zabner1, P. Zakowski2, J. A. Kobashigawa1, B. Azarbal1, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, Cedars-Sinai Medical Center, Los Angeles, CA

B112 Gene Expression Profiling for Cardiac Transplant Recipients: Results from the Outcomes AlloMap® Registry
S. Hall1, G. Ewald2, P. Berman3, A. Kao4, T. Wolf-Doty5, J. Yee5, J. Kobashigawa6, Baylor University Medical Center, Dallas, TX, Washington University, St. Louis, MO, Tampa General Hospital, Tampa, FL, Saint Luke’s Mid America Heart Institute, Kansas City, MO, CareDx, Brisbane, CA, Cedars-Sinai Medical Center, Los Angeles, CA

B113 Slowed Progression of Maximal Intimal Thickening by Intravascular Ultrasound after Initiation of Sirolimus A. Putschoegl1, K. Campbell1, M. Everitt1, S. Miyamoto1, B. Pietra2, S. Auerbach1, Children’s Hospital Colorado, Aurora, CO, University of Florida Health, Gainesville, FL

B114 Liver Allograft Provides Protection Against Cardiac Allograft Rejection In Combined Heart And Liver Transplantation K. Zhao1, R. Wang2, M. Kamoun3, K. Olthoff1, M. Hoteit4, E. Rame5, M. Levine1, R. Mclean6, P. Abt1, Surgery, University of Pennsylvania, Philadelphia, PA, Jefferson University, Philadelphia, PA, Pathology, University of Pennsylvania, Philadelphia, PA, Gastroenterology, University of Pennsylvania, Philadelphia, PA, Cardiology, University of Pennsylvania, Philadelphia, PA

B115 Room for Improvement: Adherence to Vaccination Recommendations in a Heart Transplant Cohort D. Jandhyala, J. D. Lewis, Medical University of South Carolina, Charleston, SC


B117 Cardioprotective Effects of Pre-Operative Cyclosporine in Patients Undergoing Heart Transplantation Y. Hirase, M. Harris, M. Watson, H. Lee, C. Patel, Duke University Hospital, Durham, NC


B119 Infectious Risk of Rejection Therapy Following Heart Transplantation; Can It Be Avoided? M. Kittleson, J. Patel, S. Dimbil, R. J. Levine, G. Esmailian, A. Shen, T. Hage, J. A. Kobashigawa, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

B120 Extracorporeal Photopheresis for Specific Immune Tolerance Responses in Heart Transplant Recipients M. J. Barten1, K. Klaeske2, J. Wittke2, M. Borger3, J. Garbade3, S. Lehmann3, H. Reichenspurner1, M. Dieterlen2, Cardiovascular Surgery, University Heart Center, Hamburg, Germany, Cardiac Surgery, University Heart Center Leipzig, Leipzig, Germany, Cardiac Surgery, University Heart Center Leipzig, Leipzig, Germany

B121 Intravenous Methamphetamine Does Not Appear To Be A Contraindication For Heart Donation In Heart Transplantation A. Velleca, J. Patel, M. Kittleson, R. Levine, S. Dimbil, M. Hamilton, F. Esmailian, J. A. Kobashigawa, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA
B122 Rabbit Anti-Thymocyte Globulin (rATG) Induction in Heart Transplant Recipients at High Risk for Rejection
B. Kitto1, B. Baetz1, S. Krim1, H. Patel1, S. Mandras2, S. Desai2, C. Eiswirth2, H. Ventura2, S. Thai1, 1Pharmacy, Ochsner Medical Center, New Orleans, LA, 2Heart Transplant, Ochsner Medical Center, New Orleans, LA

F. Parkar1, A. Tlamsa2, J. Nistic2, V. A. Muggia2, G. Y. Minamoto2, U. Jorde3, D. J. Goldstein3, R. Moadel1, Y. A. Puius2, 1Division of Nuclear Medicine, Montefiore Medical Center, Bronx, NY, 2Division of Infectious Diseases, Montefiore Medical Center, Bronx, NY, 3Department of Cardiothoracic and Vascular Surgery, Montefiore Medical Center, Bronx, NY

B124 Efficacy of Long-Acting Octreotide in Left Ventricular Assist Device Patients with Recurrent Gastrointestinal Bleeding
T. Wilson1, D. Baran2, J. Herre2, C. Cameron1, W. Old2, G. Zeevi2, C. Barreiro4, C. Kemp4, J. Philpott4, A. Ingemi5, 1Pharmacy Department, Sentara Norfolk General Hospital, Norfolk, VA, 2Advanced Heart Failure Department, Sentara Norfolk General Hospital, Norfolk, VA, 3Bayview Cardiovascular Associates, Norfolk, VA, 4Division of Cardiothoracic Surgery, Sentara Norfolk General Hospital, Norfolk, VA, 5Department of Pharmacy, Sentara Norfolk General Hospital, Norfolk, VA

B125 What is the Post-Heart Transplant Risk of Infectious Complications from Pre-Transplant Desensitization Therapy?
E. Kransdorf1, J. Patel, S. Dimbil, R. Levine, D. H. Chang, J. A. Kobashigawa, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA

Poster Session B: Kidney Donor Selection / Management Issues

B126 † HOPE Act Deceased Donors Referrals: Barriers to Donation
O. Kusemiju1, C. Durand, B. Doby, M. Bowring, B. Barnaba, W. Werbel, D. Brown, A. Tobian, S. Seaman, D. Ostrander, D. Segev, Johns Hopkins University, Baltimore, MD

B127 No Plan is a Bad Plan! Results of the American Society of Transplantation (AST) Living Donor Community of Practice Mortality Workgroup Survey on Disaster Planning Following a Living Donor Death
M. L. Henderson1, S. E. Van Pilsum Rasmussen1, M. M. Waldram1, K. L. Lentine2, D. A. Mandelbrot3, R. L. Hays3, D. G. Maluf4, M. Cooper5, Johns Hopkins, Baltimore, MD, 2Saint Louis University, St Louis, MO, 3University of Wisconsin, Madison, WI, 4University of Tennessee, Memphis, TN, 5Georgetown University, Washington, DC

B128 † GFR Outcomes for Recipients and Donors with IgA, FSGS, Alports and Thin Basement Membrane Disease: A Comparison of Living Related to Unrelated Donors
D. Keys, S. Jackson, S. Riad, R. Spong, V. Vakil, A. Matas, P. Nachman, University of Minnesota, Minneapolis, MN

B129 † Impact of Donor Acute Kidney Injury on GFR at 1 Year

B130 † Trends in Utilization of Deceased Donor Kidneys Based on Donor Hep C Antibody and Nucleic Acid Status
V. Ariyamuthu1, R. M. LaHoz2, N. AbdulRahim1, S. Levea1, M. MacComnara2, C. Hwang2, B. Sandikci3, B. Tanriover1, 1Internal Medicine, UT Southwestern Medical Center, Dallas, TX, 2Surgery, UT Southwestern Medical Center, Dallas, TX, 3University of Chicago Booth School of Business, Chicago, IL
B131 Predictors of Glomerular Filtration Rate after Renal Transplantation
O. Andacoglu, Y. Dong, J. Liu, M. Parides, J. Rocca, J. Graham, M. Ajaimy, Y. Azzi, C. Pynadath, L. Liriano-Ward, M. Kinkhabwala, E. Akalin, S. Greenstein, Montefiore Medical Center, Bronx, NY

B132 One Organ Procurement Organization’s Uncontrolled Donation After Cardiac Death Program: The Donor Pool and Results in the Transplantation Of 254 Organs
R. D. Hasz, S. M. West, H. M. Nathan, Gift of Life Donor Program, Philadelphia, PA

B133 Kidney Donor Profile Index Significantly Correlates With Reperfusion Biopsy Findings
A. Perez-Gutierrez1, P. Witkowski1, J. Fung1, D. N. Danz2, R. Cummings1, A. Chang3, Transplantation Institute, University of Chicago Medicine, Chicago, IL, 2Economics, University of Pittsburgh, Pittsburgh, PA, 3Pathology, University of Chicago Medicine, Chicago, IL

B134 Intrinsic Organ Quality Assessment Using Integrative Short Outcome Prediction Composite Scores
K. Archer1, V. Bontha2, Y. Zhang1, J. Eason3, A. Bajwa3, L. Gallon4, E. Akalin5, D. Maluf2, V. Mas6, OSU, Columbus, OH, 2UTHSC, Memphis, TN, 3UTHSC Director of Transplant Institute, Memphis, TN, 4NWU, Chicago, IL, 5Albert Einstein College of Medicine, NYC, NY, 6UTHSC Director of Transplant Research Institute, Memphis, TN

B135 Individualized Preconditioning for ABO-Incompatible Living Donor Kidney Transplantation: An Initial Report of 48 Cases from China
X. -. Wang, Department of Urology/Institute of Urology, West China Hospital of Sichuan University, Chengdu, China

B136 Outcomes after Declining Increased Infectious Risk Kidney Offers for Pediatric Candidates in the United States
M. Bowring, K. Jackson, H. Wasik, A. Neu, J. Garonzik-Wang, C. Durand, N. Desai, A. Massie, D. Segev, Johns Hopkins University, Baltimore, MD

B137 Impact of Donor Acute Kidney Injury on the Outcome of Graft Delayed Graft Function

B138 Implementation of Novel Machine-Learning Techniques to Tailor Donornet® Organ Offers to Center and Surgeon Preference
A. C. Perez-Ortiz, N. Elias, Transplant Center, Massachusetts General Hospital, Boston, MA

B139 Unsuccessful Resuscitative Thoracotomy Patients Are Potential Kidney Donors
K. Prins1, H. B. Moore1, A. Saueria1, R. Choudhury1, R. C. McIntyre1, A. Cralley2, S. Urban1, E. E. Moore2, E. A. Pomfret1, T. L. Nydam1, University of Colorado Hospital, Aurora, CO, 2Denver Health Medical Center, Denver, CO

B140 Organ-Procurement Organization and Donor Factor-Related Variation in Deceased Donor Kidney Biopsies and Discards: A National Practice Patterns Analysis
K. Lentine1, A. Naik2, M. Schnitzler1, H. Randall1, J. Wellen3, B. Kasiske4, G. Marklin5, D. Brockmeier5, M. Cooper6, H. Xiao1, Z. Zhang1, R. Gaston6, R. Rothweiler6, D. Axelrod6, Saint Louis Univ, St. Louis, MO, 2Univ of Michigan, Ann Arbor, MI, 3Washington Univ, St. Louis, MO, 4SRTR, Minneapolis, MN, 5Mid-America Transplant, St. Louis, MO, 6Georgetown Univ, Washington, DC, 7Univ of Iowa, Iowa City, IA

B141 Temporal Trends Following Uncontrolled Donation after Cardiac Death Kidney Transplantation: Implications for Normothermic Regional Perfusion?

B142 Transplant Outcomes of DCD Kidneys Recovered with vs. without Pre-Recovery Heparin Administration
J. Narvaez, L. Kayler, Division of Transplantation, University at Buffalo, Buffalo, NY
B143 The Association of Kidney Transplant Center Volume with 3-Year Outcomes
E. M. Sonnenberg¹, J. B. Cohen², J. Y. Hsu³, V. S. Potluri³, M. H. Levine¹, P. L. Abt¹, P. P. Reese², ¹Surgery, University of Pennsylvania, Philadelphia, PA, ²Renal Division, University of Pennsylvania, Philadelphia, PA, ³Biostatistics, University of Pennsylvania, Philadelphia, PA

B144 Prospective Evaluation of Living Kidney Donor Anxiety: Concerns, Anxiety Mitigation, and Realized Negative Experiences
A. A. Krause, R. S. Mangus, M. French, V. Martine, J. Powelson, W. C. Goggins, Medicine, Indiana University Health, Indianapolis, IN

B145 Racial Differences in Acute Kidney Injury Occurrence among Deceased Kidney Donors
M. Doshi¹, I. Hall², S. Mohan³, C. Liu⁴, H. Philbrook⁵, P. Reese⁵, S. Mansour⁶, F. Weng⁷, E. Akalin⁸, J. Bromberg⁹, M. Harhay¹⁰, T. Muthukumar¹¹, B. Schroeppele¹², P. Singh¹³, C. Parikh⁴, ¹University of Michigan, Ann Arbor, MI, ²University of Utah, Salt Lake City, UT, ³Columbia, New York, NY, ⁴Johns Hopkins, Baltimore, MD, ⁵University of Pennsylvania, Philadelphia, PA, ⁶Yale University, New Haven, CT, ⁷St. Barnabas, Livingston, NJ, ⁸Mount Sinai, New York, NY, ⁹University of Maryland, Baltimore, MD, ¹⁰Drexel, Philadelphia, PA, ¹¹Cornell, New York, NY, ¹²University of Ulm, Ulm, Germany, ¹³Jefferson, Philadelphia, PA

B146 Primary Nonfunction after Kidney Transplantation is Associated with Elevated Donor Urinary Biomarkers

B147 Effect of HLA Mismatch on Recurrence and Graft Loss in Living versus Deceased Kidney Transplant Recipients with IgA Nephropathy
T. Ishaque, F. A. Ammary, K. Jackson, D. L. Segev, A. B. Massie, Johns Hopkins School of Medicine, Baltimore, MD

B148 Differential Effects of Prolonged Cold Ischemia on Outcomes in Donations After Cardiac Circulatory Death Versus Acute Kidney Injury Donor Kidney Transplants

B149 Renal Allograft Survival after Dual Kidney Transplantation is at Least as Favorable as Outcome after Expanded Criteria Donor Kidney Transplantation
A. Brar¹, M. Sattar¹, A. Gruessner¹, R. M. Jindal², R. Nee³, R. Gruessner⁴, M. Salifu⁵, ¹SUNY Downstate Medical Center, Brooklyn, NY, ²Department of Surgery, USU-Walter Reed Uniformed Services University, Bethesda, MD, ³USU-Walter Reed Uniformed Services University, Bethesda, MD

B150 Usefulness of the Assessment of CT-Based Donor Kidney Function Compared with Radionuclide Scintigraphy
K. Park, J. Yoon, H. Kim, C. Baek, S. Park, H. Kim, Division of Nephrology, Department of Internal Medicine, Asan Medical Center, SEOUL, Korea, Republic of

B151 Pushing the Limits: A Large Multicentric Case-Control Study Evaluating the Impact of Kidney Transplants from Expanded Criteria Donors after Controlled Circulatory Death
N. Toapanta¹, R. Alvarez², G. Lluís³, C. Facundo³, F. Diekmann⁴, I. Revuelta⁴, M. Meneghini², F. Moreso¹, O. Bestard², ¹Kidney Transplantation Unit, Vall d’Hebron University Hospital, Barcelona, Spain, ²Kidney Transplantation Unit, Bellvitge University Hospital- IDIBELL, L’Hospitalet de Llobregat. Barcelona, Spain, ³Kidney Transplantation Unit, Puigvert University Hospital, Barcelona, Spain, ⁴Kidney Transplantation Unit, Clinic University Hospital, Barcelona, Spain
B152 The Predictive Value Of Pre-transplant Biopsies For Short-term And Long-term Graft Function In Kidney Transplantation
H. Zhang¹, L. Liu¹, S. Yang², W. Chen³, X. Chen⁴, Y. Li⁵, C. Wang⁴, ¹Organ Transplant Center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²Department of Pathology, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

B153 Can National Data Predict Which Older Kidney Donors Are More Likely to Yield Higher eGFR 1-Year Post-Transplant?
C. A. Custer¹, R. J. Carrico¹, T. L. Pruett², ¹United Network for Organ Sharing, Richmond, VA, ²University of Minnesota, Minneapolis, MN

B154 Kidney Donor 70 Years Of Age Or Older - How Far Can We Go? A Registry Analysis
R. W. Gruessner, J. F. Renz, F. Tedla, A. Brar, S. Saggi, M. Salifu, A. C. Gruessner, SUNY Downstate Medical Center, Brooklyn, NY

B155 Outcomes From Very Old Deceased Kidney Donors For Transplantation
E. Guillen¹, P. Ventura-Aguilar¹, A. Ruiz², G. Piñeiro¹, D. Cucchiari¹, I. Revuelta¹, V. Torregrosa¹, F. Cofan¹, E. De Sousa¹, N. Esforzado¹, M. Musquera³, L. Peri³, F. Oppenheimer³, F. Diekmann¹, ¹Renal Transplant Unit, Nephrology and Kidney Transplantation Department, Hospital Clinic, Barcelona, Spain, ²Organ Transplantation Coordination Department, Hospital Clinic, Barcelona, Spain, ³Renal Transplant Unit, Urology Department, Hospital Clinic, Barcelona, Spain

B156 Pediatric Kidneys: One for Two or Two for One?

B157 The Kidney Donor Profile Index (KDPI) Predicts the Risk of Graft Loss in Patients with a Kidney Transplant from Maastricht Type III Asystolic Donors

B158 Impact of Cold Ischemia Time on DCD Kidney Transplant Outcomes
J. Narvaez, L. Kayler, Transplant Surgery Division, Dept of Surgery, University at Buffalo, Buffalo, NY

B159 The Implications of Donor Proteinuria in Deceased Donor Kidney Transplantation
A. Vinson, T. Keough-Ryan, K. West, K. Tennankore, Dalhousie University, Halifax, NS, Canada

B160 Impact of the Organ Procurement Organization Surgeon on Utilization of High KDPI Kidneys
C. S. Hwang¹, J. Reese², T. Anthony², P. Vagefi², B. Tanriover³, V. Ariyamuthu³, S. Levea³, M. MacConmara³, ¹Surgery, UT Southwestern Medical Center, Dallas, TX, ²Southwest Transplant Alliance, Dallas, TX, ³Medicine, UT Southwestern Medical Center, Dallas, TX

B161 A Retrospective Analysis Evaluating Various Tissue Biopsy Scoring Systems in Predicting Recipient Outcomes Following Transplantation of Extended Criteria Donor Kidneys
A. Hijazi¹, D. Nap¹, M. Gabri², M. Moussa³, V. Ibrahim⁴, M. A. Levine⁴, M. Madrurah⁴, P. Luke⁵, A. Sener⁵, ¹Schulich School of Medicine and Dentistry, London, ON, Canada, ²Pathology, London Health Sciences Center, London, ON, Canada, ³Western University, London, ON, Canada, ⁴Urology, London Health Sciences Center, London, ON, Canada

B162 Determinants of Allograft Injury during Procurement in Deceased Donors
E. Taber-Hight¹, R. Cauwels², E. Eidbo², A. S. Paramesh³, R. Squires³, T. Taber¹, ¹Nephrology, Indiana University, Indianapolis, IN, ²AOPO, Vienna, VA, ³Louisiana Organ Procurement Agency, New Orleans, LA, ⁴University of Oklahoma, Oklahoma City, OK
Clinical and Pathologic Differences between Young and Old Living Donors in Young Kidney Transplant Recipients
C. Baek, H. Kim, H. Lee, Y. Kim, S. Park, Asan Medical Center, Seoul, Korea, Republic of

Aborted Live Donor Organ Recovery Procedures in the United States

Kidney Transplants Following Donation after Circulatory Death and Donation after Brain Death Have Similar Early Outcomes
M. Hobeika1, D. Nguyen2, E. Graviss2, A. Gaber1, H. Podder1, S. Yi1, S. Kuten2, S. Patel1, R. Knight1, 1J.C. Walter, Jr. Transplant Center, Houston Methodist Hospital, Houston, TX, 2Center for Molecular and Translational Human Infectious Diseases Research, Houston Methodist Research Institute, Houston, TX, 3Pharmacy, Houston Methodist Hospital, Houston, TX

Can Financial Incentives Improve Patient Compliance with Optn Live Kidney Donor Follow-Up Policy? Results of a Randomized Controlled Trial

Predicting Deceased Donor Kidney Transplant Outcomes: Comparing KDRI/KDPI with Machine Learning
E. Pahl, HealthTech Solutions, Inc., Coralville, IA

Delayed Graft Function as a Survival Prognostic Factor in Elderly Recipients of Kidney Transplantation

Evaluation of Pretransplant Biopsy as a Influence Factor of Early Graft Function after Donated Kidney Transplantation
X. Qiuxiang, W. Zhendi, Urology Surgery, Wuhan Union Hospital, Wuhan, China

Attitudes and Knowledge about Organ Donation in a Cohort of Medical Students: Association of Religion and Ethnicity
M. Markell, A. Cerrato, M. Salifu, Nephrology/Medicine, SUNY Downstate Medical Center, Brooklyn, NY

Donor Source of Kidney Transplantation in New Zealand by Ethnicity: A Longitudinal Cohort Study
S. Donnellan1, N. Cross1, J. Williman2, S. C. Palmer3, 1Nephrology, Canterbury District Health Board, Christchurch, New Zealand, 2Biostatistics and Computational Biology Unit, University of Otago, Christchurch, New Zealand, 3Medicine, University of Otago Christchurch, Christchurch, New Zealand

A New Risk Stratification Scoring System for Deceased Donor Kidneys and Suitable Candidates for Marginal Kidneys in Korea
T. Koo1, J. Ryu1, S. Park2, S. Lee2, J. Hwang2, C. Ahn3, J. Yang1, 1Transplantation Center, Seoul National University Hospital, Seoul, Korea, Republic of, 2Biomedical Research Institute, Seoul National University Hospital, Seoul, Korea, Republic of, 3Department of Internal Medicine, Seoul National University College of Medicine, Seoul, Korea, Republic of

Outcomes of Renal Transplantation in Elderly Patients Older Than 60 Years of Age
R. Yemini1, E. Nesher2, R. Rahamimov3, S. Eizner2, V. Mazhybovsky2, V. Tennak2, M. Gurevich3, R. Ghinea2, E. Mor2, 1Department of Surgery, Assuta Ashdod Medical Center, Ashdod, Israel, 2Department of Transplant Surgery, Beilinson Medical Center, Petach-Tikva, Israel, 3Department of Nephrology, Beilinson Medical Center, Petach-Tikva, Israel
Poster Session B: Kidney Immunosuppression: Desensitization

B174 † 5-Year Post-Transplant Outcomes with Bortezomib-Based Desensitization in Renal Transplant Recipients
K. Zheng1, S. Tremblay1, A. R. Shields2, M. A. Cardi2, J. Kremer3, R. R. Alloway1, E. S. Woodle1, 1U of Cincinnati, Cincinnati, Cincinnati, OH, 2Christ Hospital, Cincinnati, OH

B175 † Reduction of Circulating DSA: Does It Affect Histology?
M. Gupta1, E. Edusei1, S. Tsai2, M. Magruder2, J. Lee1, J. Lee1, C. Hartono1, T. Muthukumar1, M. Everly3, D. Dadhana1, 1Nephrology, New York Presbyterian Weill Cornell, New York, NY, 2New York Presbyterian Weill Cornell, New York, NY, 3Terasaki Research Institute, Los Angeles, CA

B176 Reduction of Pre-Existing Alloantibodies in Highly Sensitized Belatacept-Treated Kidney Recipients
R. F. Parsons1, R. Bumb2, H. Decker1, A. Zahid1, C. Sullivan1, T. Pearson1, C. Larsen1, M. Levine3, M. Kamoun3, R. A. Bray1, H. M. Gebel1, 1Emory University School of Medicine, Atlanta, GA, 2University of Cincinnati, Cincinnati, OH, 3University of Pennsylvania, Philadelphia, PA

B177 Successful Use of Nonantigen Specific Immunoabsorption In ABO-Incompatible Desensitization and Humoral Rejection Treatment in Kidney Transplantation
E. Montagud-Marrahi, Servei de Nefrologia i Trasplantament Renal, Hospital Clinic de Barcelona, Barcelona, Spain

B178 Detection and Desensitization of Donor-Specific Antibody Reduces Risk of Early but Not Late Renal Transplant Failure in a Cohort of 1000 Cases
M. Tsai, C. Lee, C. Yang, C. Chen, Department of Surgery, National Taiwan University Hospital, Taipei, Taiwan

B179 Outcomes in Preformed Donor-Specific Human Leukocyte Antibody Positive Living Kidney Transplant Recipients Desensitized with Intravenous Immunoglobulin and Rituximab
Y. Kakuta1, M. Okumi1, T. Kanzawa1, K. Unagami2, H. Ishida2, K. Tanabe3, 1Urology, Tokyo Women’s Medical University, Tokyo, Japan, 2Organ Transplant Medicine, Tokyo Women’s Medical University, Tokyo, Japan

B180 Hepatitis Flare in Hepatitis B Core Antibody Positive Kidney Recipients Treated with Rituximab
M. Raja1, Y. Natori1, C. Donato1, D. De Lima1, J. Rivollo2, A. Centeno2, Y. Ebisu1, L. Abbo1, J. Simkins1, S. Anjan1, J. Camargo1, M. I. Morris1, 1Internal Medicine, University of Miami Miller School of Medicine, Miami, FL, 2Jackson Memorial Hospital, Miami, FL

B181 Desensitization Using Only Polyvalent Immunoglobulins (IVIG) for Kidney Transplantation with Living Donors (LD)
L. R. Ulisses, J. O. Paixão, P. S. Souza, G. Bezerra, H. Rodrigues, N. Panajatopoulos, F. J. De Paula, E. David-Neto, M. C. R Castro, Renal Transplant Service, Renal Transplant Service, Hospital das Clinicas and Laboratory of Immunology-LIM-19, Medical School of te University of São Paulo, São Paulo, Brazil, São Paulo, Brazil

B182 Costs Associated with A2 to B Kidney Transplantation: A Barrier to Its Utilization?
R. Forbes, B. Concepcion, D. Shaffer, Vanderbilt University Medical Center, Nashville, TN

B183 Sequential Dosing of Rituximab and IVIg for Desensitization of Highly-HLA Sensitized (HS) Patients Awaiting HLAi Kidney Transplantation
A. A. Vo, E. Huang, S. Williamson, C. Myers, A. Peng, R. Najjar, S. Sethi, K. Lim, N. Ammerman, S. C. Jordan, Kidney Transplant, Cedars Sinai Medical Ctr, Los Angeles, CA
B184 “Desens Light”: Single Center Experience Using Rituximab for High Immunologic Risk Kidney Transplant Recipients with Historic DSA
A. Casillas-Abundis, A. Tamur, A. Shetty, C. D’Agostino, J. R. Leventhal, Comprehensive Transplant Center, Northwestern Memorial Hospital, Chicago, IL

B185 Efficacy Of Rituximab Monotherapy On Anti-human Leukocyte Antigen Antibodies In Highly Sensitized Living Donor Kidney Transplant Patients.

B186 Overcoming Anti-HLA Sensitization in Kidney Transplantation
R. C. Siqueira, P. Malafrenie, J. C. Baptista-Silva, E. F. Silva, M. C. Camargo, M. C. Ribeiro Castro, Nephrology Post-Graduation, University of Sao Paulo, Sao Paulo, Brazil, Kidney Transplant Unit, Hospital Samaritano de Sao Paulo, Sao Paulo, Brazil

B187 Blood Group Incompatible Living Donor Kidney Transplantation in Patients with End-Stage Kidney Disease Due to Diabetes Kidney Disease
J. Uchida, A. Kosoku, K. Kabei, S. Nishide, H. Shimada, K. Maeda, Y. Yoshikawa, T. Iwai, N. Kuwabara, T. Naganuma, N. Kumada, Y. Takemoto, T. Nakatani, Urology, Osaka City University Graduate School of Medicine, Osaka, Japan, Nursing, Osaka City University Hospital, Osaka, Japan, Osaka City University, Osaka, Japan, Urology, Suita Municipal Hospital, Suita, Japan

B188 Desensitization Using Only IVIG: Is That an Option for Highly-Sensitized Patients Waiting for Kidneys from Cadaveric Donors?

Poster Session B: Kidney Immunosuppression: Induction Therapy

B189 Induction Therapy in Elderly Kidney Transplant Recipients with Low Immunological Risk
C. Masset, J. Boucquemont, V. Garrigue, M. Ladrière, F. Buron, E. Cassuto, Y. Foucher, J. Dantal, University Hospital of Nantes, Nantes, France, University of Nantes, Nantes, France, University Hospital of Montpellier, Montpellier, France, University Hospital of Nancy, Nancy, France, University Hospital of Lyon, Lyon, France, University Hospital of Nice, Nice, France

B190 Safety and Efficacy of Alemtuzumab Compared to Rabbit Anti-Thymocyte Globulin as Induction for Secondary Transplant after a Primary Transplant with Alemtuzumab Induction
J. L. Fose, M. R. Jorgenson, G. E. Leveson, R. R. Redfield, Pharmacy, UW Health, Madison, WI, University of Wisconsin-Madison School of Medicine and Public Health, Madison, WI

B191 Alemtuzumab Induction in Living Donor Renal Transplantation
O. Witkowsky, H. Winters, K. Washburn, G. Bumgardner, A. Rajab, A. El-Hinnawi, T. Pesavento, The Ohio State University Wexner Medical center, Columbus, OH

B192 Induction Type Does Not Influence Kidney Graft or Patient Survival in Recipients with a Previous Lung Transplant in the United States
S. Riad, U. Goswami, S. Jackson, M. Hertz, Medicine, University of Minnesota, Eden Prairie, MN, Medicine, University of Minnesota, Minneapolis, MN, Complex Care Analytics, Fairview Health Services, Minneapolis, MN
<table>
<thead>
<tr>
<th>Poster Session B</th>
<th>Poster Session B</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B193</strong> Kidney Transplantation in Older Recipients with HLA-DR Mismatch: Impact of Induction Type on Outcomes</td>
<td><strong>B199</strong> Safety Outcomes in Elderly Patients Who Receive Alemtuzumab Induction for Kidney Transplant</td>
</tr>
<tr>
<td>K. K. Sureshkumar¹, N. L. Thai², B. Chopra³, ¹Nephrology and Hypertension, Allegheny General Hospital, Pittsburgh, PA, ²Abdominal Transplantation, Allegheny General Hospital, Pittsburgh, PA</td>
<td>S. Anders, A. Freeman, A. Mohammed, L. Hutchinson, U. Kaszubski, M. Janusek, J. Garces, B. Bohorquez, Ochsner Clinic Foundation, New Orleans, LA</td>
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<tr>
<td><strong>B194</strong> Alemtuzumab versus Anti-Thymocyte Globulin Induction in the Setting of Immediate Post-Renal Transplant Acute Tubular Necrosis in an Urban, Minority Patient Population</td>
<td><strong>B200</strong> Induction Type Does Not Influence Kidney Graft or Patient Survival in Recipients with a Previous Heart Transplant in the United States</td>
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<td>K. Tejani, E. Benedetti, A. Lichvar, University of Illinois at Chicago, Chicago, IL</td>
<td>S. M. Riad¹, A. Tamas¹, S. Jackson², C. Martin³, ¹Medicine, University of Minnesota, Minneapolis, MN, ²Complex Care Analytics, Fairview Health Services, Minneapolis, MN</td>
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<td><strong>B195</strong> Living Donor Renal Transplantation without Any Induction Immunosuppression in Spousal Donors - Single Center Experience</td>
<td><strong>B201</strong> Outcomes of Reduced Thymoglobulin Induction Dosing in Elderly Kidney Transplant Recipients at a Steroid Sparing Center</td>
</tr>
<tr>
<td><strong>B196</strong> Induction with Thymoglobulin in DCD Kidneys. Dose Effect and Predictors of Outcome</td>
<td><strong>B202</strong> Low Dose Anti-Thymocyte Globulin is Enough to Prevent Acute Cellular Rejection in Kidney Transplant</td>
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<td>A. Asderakis, T. Sabah, A. Jones, E. Aborsu, L. Szabo, R. Chavez, Cardiff Transplant Unit, University Hospital of Wales, Cardiff, United Kingdom</td>
<td>P. W. Baron¹, J. Weissman², F. Zazli³, C. Zuppan⁴, R. Villicana³, P. Wai¹, L. Beeson⁵, M. De Vera¹, ¹Surgery/Transplantation Institute, Loma Linda University Health, Loma Linda, CA, ²Pharmacy, Loma Linda University Health, Loma Linda, CA, ³Transplantation Institute, Loma Linda University Health, Loma Linda, CA, ⁴Pathology, Loma Linda University Health, Loma Linda, CA, ⁵Center for Nutrition, Healthy Lifestyle and Disease Prevention/School of Public Health, Loma Linda University Health, Loma Linda, CA</td>
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<td><strong>B197</strong> Thymoglobulin Versus Alemtuzumab Induction in High Immunologic Risk Kidney Transplants</td>
<td><strong>B203</strong> Basiliximab vs. Low-Dose Thymoglobulin Induction Therapy in Low Risk Kidney Transplant Patients: Prospective Randomized Study in Southeastern Mexico</td>
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<td><strong>B198</strong> Combined Antithymocyte Globulin (ATG) and Rituximab (RTX) Induction in African American (AA) Kidney Transplant Recipients</td>
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<td>Poster Session B: Kidney Infections</td>
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<td>B204</td>
<td>Alemtuzumab versus Antithymocyte Globulin Induction Immunosuppression in Highly Sensitized Kidney Transplant Recipients</td>
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<td>A. Brueckner¹, E. Yanqui¹, C. Truong¹, R. Baliga², L. Bowman¹, ¹Tampa General Hospital, Tampa, FL, ²Florida Kidney Physicians, Tampa, FL</td>
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<tr>
<td>B205</td>
<td>Type of Induction Does Not Impact Patient or Kidney Allograft Survival in Simultaneous Liver and Kidney Transplant Recipients in the United States</td>
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<td>S. Riad¹, N. Lim², S. Jackson², J. Lake², ¹University of Minnesota, Minneapolis, MN, ²Medicine, University of Minnesota, Minneapolis, MN, ³Complex Care Analytics, Fairview Health Services, Minneapolis, MN</td>
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<td>B206</td>
<td>Comparing the Rate of Opportunistic Infection after Renal Transplant between Alemtuzumab and Basiliximab for Induction Immunosuppression</td>
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<td>J. A. Seaman¹, S. G. Westphal², F. Qiu³, D. Bremers⁴, D. Florescu⁵, ¹College of Medicine, University of Nebraska Medical Center, Omaha, NE, ²Internal Medicine Division of Nephrology, University of Nebraska Medical Center, Omaha, NE, ³Biostatistics, University of Nebraska Medical Center, Omaha, NE, ⁴Donate Life, Nebraska Medicine, Omaha, NE, ⁵Internal Medicine Division of Infectious Disease, University of Nebraska Medical Center, Omaha, NE</td>
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<td>B207</td>
<td>Evaluation of Induction Immunosuppression in Elderly Kidney Transplant Recipients</td>
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<td>C. Pham, S. Kuten, A. Rogers, R. Knight, D. T. Nguyen, E. Graviss, A. Gaber, Houston Methodist Hospital, Houston, TX</td>
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<td>B208</td>
<td>Outcomes Of Dosing Weight Selection On Rabbit Anti-thymocyte Globulin Induction Immunosuppression In High-risk, Obese Renal Transplant Recipients</td>
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<td>A. C. Cordry¹, K. Trobaugh¹, L. Ramsey², A. L. Castellanos³, H. Fattah¹, T. Rendulic¹, ¹Pharmacy, University of Kentucky HealthCare, Lexington, KY, ²University of Kentucky College of Pharmacy, Lexington, KY, ³Nephrology, University of Kentucky HealthCare, Lexington, KY</td>
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<td>B209</td>
<td>Outcomes of Induction Therapy with Bortezomib and High-Dose Intravenous Immunoglobulin for Kidney Transplantation with Preformed Donor-Specific Anti-Human Leukocyte Antigen Antibodies</td>
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<td>Y. Miyauchi, T. Noda, N. Miura, T. Kikugawa, T. Saika, Department of Urology, Ehime University, Toon, Japan</td>
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<td>H. Ibrahim¹, J. Gregg¹, K. Alquadan¹, U. Akanit², K. L. Womer¹, A. H. Santos¹, ¹Medicine, University of Florida, Gainesville, FL, ²Ubon Ratchathani University, Ubonratchathani, Thailand</td>
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<td>B211</td>
<td>Impact Of Rituximab And Maintenance Steroid In The Recurrence Of Focal Segmental Glomerulosclerosis</td>
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<td>L. A. Mendez Castaner, Transplant, Miami Transplant Institute-University of Miami, Miami, FL</td>
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<tr>
<td>B212</td>
<td>Impact of Protease Inhibitor-Based Anti-Retroviral Therapy on Tacrolimus Intrapatient Variability in HIV+ Kidney Transplant Recipients</td>
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<td>M. H. Cooper, I. E. Dunne, S. A. Kuten, A. E. Cantwell, E. A. Graviss, D. T. Nguyen, M. J. Hobeika, A. O. Gaber, Houston Methodist Hospital, Houston, TX</td>
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Poster Session B: Kidney Infections
B213 A Cluster of Late Onset of Pneumocystis jirovecii Pneumonia (PJP) in Renal Transplant Patients: First Cluster Report from Saudi Arabia

B214 The Association Of Frailty With Risk Of Cytomegalovirus And BK Infection
J. Norman¹, A. Gupta², A. Naik³, D. Cibrik², S. Norman², ¹Internal Medicine, Univ of Michigan Medical Ctr, Ann Arbor, MI, ²Internal Medicine/Nephrology, Kansas University Medical Center, Kansas City, KS, ³Internal Medicine/Nephrology, Univ of Michigan Medical Ctr, Ann Arbor, MI

B215 Retrospective Evaluation of Dapsone Prophylaxis Complications in Kidney Transplant Recipients
S. Hamel¹, V. Johnson², D. Johnson², E. Blumberg², R. Bloom³, J. Trofe-Clark², ¹Pharmacy, Vanderbilt Univ. Medical Center, Nashville, TN, ²Pharmacy, Hospital of the Univ. of Pennsylvania, Philadelphia, PA, ³Infectious Diseases, Univ. of Pennsylvania, Philadelphia, PA, ⁴Renal, Univ. of Pennsylvania, Philadelphia, PA

B216 Evaluation of Rabbit Antithymocyte Globulin (rATG) Dosing and Incidence of Opportunistic Viral Infections in Kidney Transplant Recipients Using Tacrolimus (TAC), Mycophenolate (MPA) and Steroid Free Maintenance Immunosuppression
L. Von Stein, A. Leino, R. Amer, T. Pesavento, H. Winters, The Ohio State University Wexner Medical Center, Columbus, OH

B217 Approach to Leukopenia in Older Kidney Transplant Recipients
M. Shearer, M. Labonte, L. Erbe, R. Rodriguez, A. Price, V. Rao, M. Casey, K. Soliman, D. Lazarus, D. Taber, M. Posadas Salas, Dept of Medicine, Medical University of South Carolina, Charleston, SC

B218 Multidisciplinary Transplant UTI Service; Challenging the Stalemate
J. J. Chong, A. Adiki, D. Ness, J. Olsburgh, R. H. Zakri, Guy’s Hospital, London, United Kingdom

B219 Prevalence of Varicella Zoster Infection in Renal Transplant Recipients
P. T. Gaynor, D. Nanayakkara, O. E. Beaard, J. Schaenman, S. Bunnappradist, Infectious Diseases, UCLA, Los Angeles, CA

B220 Low-Dose Valacyclovir Prophylaxis for Cytomegalovirus Infection in Renal Transplant Recipients with Intermediate Risk
A. Velioglu¹, H. Arikan¹, E. Asicioglu¹, S. Alagoz², N. Seyahi³, S. Tuglular¹, C. Ozener¹, ¹Nephrology, Marmara University School of Medicine, Istanbul, Turkey, ²Nephrology, Istanbul University, Cerrahpasa Medical School, Istanbul, Turkey

B221 Association of Induction Immunosuppression Agents with Incidence of Cytomegalovirus Infection Following Kidney Transplantation
S. A. Medani, B. C. Astor, A. Djamali, M. A. Mohamed, Medicine- Nephrology, University of Wisconsin, Madison, WI

B222 Epidemiology of Parvovirus B19 and Anemia among Kidney Transplant Recipients
N. Khoury¹, C. Thongprayoon², N. Leeaphorn³, J. Bruminhent⁴, W. Cheungpasitporn⁵, ¹Henry Ford Transplant Institute, Detroit, MI, ²Mayo Clinic, Rochester, MN, ³University of Missouri, Kansas City, MO, ⁴Mahidol University, Bangkok, Thailand, ⁵University of Mississippi, Jackson, MS

B223 Donor-Derived Carbapenem-Resistant Klebsiella Pneumoniae Infection after Renal Transplantation
B. Liu, M. Wang, F. Zeng, S. Chang, N. Gong, G. Chen, Z. Chen, Institute of Transplantation, Tongji Hospital, Huazhong University of Science and Technology, Wuhan, China
B224 Evaluation of Infection and Renal Transplant Outcomes in the Hmong Population
M. Jorgenson1, J. Descourouez1, D. Yang2, G. Leverson2, J. Smith2, R. Redfield2, 1UW Health, Madison, WI, 2University of Wisconsin School of Medicine and Public Health, Madison, WI

B225 Treatment of Latent Tuberculosis Infection with Short-Course Regimens in Potential Living Kidney Donors
J. Simkins, C. Donato-Santana, M. I. Morris, L. M. Abbo, J. F. Camargo, S. Anjan, Y. Natori, G. Guerra, Medicine, University of Miami, Miami, FL

B226 Kidney Transplantation in Patients with Neurogenic Bladder
Z. Jurekovic, M. Knotek, Clinical Hospital Merkur, 10000 Zagreb, Croatia

B227 Effect of Induction Therapy on Absolute CD4 Count and CD4 Percentage in HIV Positive Kidney Transplant Recipients
S. A. Kuten1, I. E. Dunne1, A. E. Cantwell1, M. J. Hobeika2, S. G. Yi2, W. Musick1, R. J. Knight2, A. O. Gaber2, 1Pharmacy, Houston Methodist Hospital, Houston, TX, 2Surgery, Houston Methodist Hospital, Houston, TX

B228 Epidemiology and Risk Factors of Early Post-Transplant Clostridium difficile Infection in Renal Transplant Recipients
M. Jorgenson1, J. Descourouez1, D. Yang2, G. Leverson2, C. Saddle2, J. Smith2, R. Redfield2, 1UW Health, Madison, WI, 2University of Wisconsin School of Medicine and Public Health, Madison, WI

B229 Risk Factors for Recurrent Urinary Tract Infections and Antimicrobial Resistant Organisms in Kidney Transplant Recipients
S. Greissman1, A. Mattiazi2, J. Quinonez1, M. Grady1, R. Zukerman1, A. Wawrzyniak3, M. Morris4, S. Anjan4, J. Simkins4, J. Camargo4, L. Abbo5, 1University of Miami Miller School of Medicine, Miami, FL, 2Department of Transplant Nephrology, University of Miami Miller School of Medicine, Miami, FL, 3Department of Psychiatry and Behavioral Sciences, University of Miami Miller School of Medicine, Miami, FL, 4Department of Infectious Diseases, University of Miami Miller School of Medicine, Miami, FL, 5Department of Infection Control and Prevention and Antimicrobial Stewardship, University of Miami Miller School of Medicine, Miami, FL

B230 Real World Data Support International Consensus Guidelines on Management of CMV after Kidney Transplantation
A. Asberg, G. B. Kro, A. V. Reisæter, A. Hartmann, K. Midtvedt, Oslo University Hospital - Rikshospitalet, Oslo, Norway

B231 Risk of Opportunistic Infection in Kidney Transplant Recipients with Cytomegalovirus Infection and Associated Outcomes
M. Jorgenson1, J. Descourouez1, B. Cardinale2, B. Lyu3, B. Astor3, N. Garg3, C. Saddle3, J. Smith3, D. Mandelbrot3, 1UW Health, Madison, WI, 2University of Wisconsin-Madison School of Pharmacy, Madison, WI, 3University of Wisconsin-Madison School of Medicine and Public Health, Madison, WI

B232 Incidence of Viral Infections in Kidney Transplant Recipients with Alemtuzumab or Rabbit Antithymocyte Globulin Induction
A. Brueckner1, C. Truong1, E. Yanqui1, R. Baliga2, L. Bowman1, 1Tampa General Hospital, Tampa, FL, 2Florida Kidney Physicians, Tampa, FL
B233 † Human Adenovirus-Specific T Cell Response in Kidney Transplant Recipients Diagnosed with Adenovirus Infection
J. Bruminhent1, N. Apiwattanakul2, S. Hongeng2, S. Kantachuvessiri3, S. P. Watcharananan1, 1Division of Infectious Diseases, Department of Medicine, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Thailand, 2Division of Infectious Diseases, Department of Pediatrics, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Thailand, 3Division of Hematology and Oncology, Department of Pediatrics, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

B238 The Significance and Impact of Screening Preservation Fluid Cultures in Renal Transplant Recipients
A. Reticker, A. Lichvar, A. Gross, E. Benedetti, S. Patel. University of Illinois Hospital and Health Sciences System, Chicago, IL

B239 Pharmacokinetics of Innovative versus Generic Valganciclovir in Kidney Transplant Recipients
I. Parra-Avila1, A. Cohen-Bucay1, J. Alberu2, G. Castañeda-Hernandez3, L. E. Morales-Buenrostro1, 1Nephrology and Mineral Metabolism, Instituto Nacional de Ciencias Médicas y Nutrición, Ciudad de Mexico, Mexico, 2Transplant, Instituto Nacional de Ciencias Médicas y Nutrición, Ciudad de Mexico, Mexico, 3Pharmacology, Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional, Ciudad de Mexico, Mexico

B240 No Indication of Increased CMV Infection in Kidney Transplant Recipients without Pharmacological Prophylaxis Receiving a Single 3mg/kg Dose of Rabbit Anti-Thymocyte Globulin (ATG) Instead of No-Induction

B241 Preoperative Marginal Factors Do Not Affect the Medically Complex Living Donors for Kidney Transplantation
T. Hiramitsu, T. Tomosugi, K. Futamura, M. Okada, M. Tsujita, T. Ichimori, N. Goto, S. Narumi, Y. Watarai, Nagoya Daini Red Cross Hospital, Nagoya Aichi, Japan
B242  Kidney Volumes in Healthy Donors - Does Size Really Matter?  
F. R. Schwartz¹, B. I. Shaw², F. Vernuccio¹, F. Rigiroli¹, F. Gonzalez¹, R. Lerebours³, K. Ravindra², D. Marin¹, ¹Radiology, Duke University, Durham, NC, ²General Surgery, Duke University, Durham, NC, ³Biostatistics and Bioinformatics, Duke University, Durham, NC

B243  Post-Donation Hypertension is Highly Associated with Estimated Nephron Number, Post-Donation Weight Gain, and Family History: A Prospective 5-Year Follow-Up after Living Kidney Donation  
T. Schachtner¹, N. M. Otto², P. Reinke², ¹University Hospital Zurich, Zurich, Switzerland, ²Charite University Medicine Berlin, Zurich, Germany

B244  Gender Disparity: Do Female Donors Suffer from Living Kidney Donation?  
N. Ebeling¹, B. Suwelack¹, M. Burgmer², a. the SoLKID Study Group¹, ¹MED D, Universitaetsklinikum Muenster, Muenster, Germany, ²Psychosomatic medicine, Universitaetsklinikum Muenster, Muenster, Germany

B245  Long-Term Outcomes and Safety of Living Kidney Transplantation from Older Donors  
Y. Kakuta¹, M. Okumi¹, T. Kanzawa¹, K. Unagami², H. Ishida², K. Tanabe¹, ¹Urology, Tokyo Women’s Medical University, Tokyo, Japan, ²Organ Transplant Medicine, Tokyo Women’s Medical University, Tokyo, Japan

B246  Poor Outcomes in Kidney Transplant Candidates & Recipients with History of Falls  
N. Chu¹, H. Ying¹, Z. Shi¹, C. Haugen¹, S. Norman², D. Segev¹, M. McAdams-DeMarco¹, ¹Johns Hopkins, Baltimore, MD, ²Michigan Medical Center, Ann Arbor, MI

B247  High HLA-DQ Epitope Mismatch Load and Low Tacrolimus Level Are Associated with Development of De Novo Donor Specific Antibody  
D. Lee¹, B. Kim², J. Kim¹, I. Kim³, M. Jeon⁴, J. Ahn⁵, S. Choi⁶, ¹Nephrology, Maryknoll Medical Center, Busan 48972, Korea, Republic of, ²Laboratory Medicine, Maryknoll Medical Center, Busan 48972, Korea, Republic of, ³Surgery, Maryknoll Medical Center, Busan 48972, Korea, Republic of, ⁴Pathology, Maryknoll Medical Center, Busan 48972, Korea, Republic of, ⁵Transplantation Center, Coordinator : Nurse, Maryknoll Medical Center, Busan 48972, Korea, Republic of

B248  Outcomes after Prolonged Therapeutic Plasma Exchange in Pediatric Kidney Transplant Patients with Early Recurrence of Focal Segmental Glomerular Sclerosis  
D. K. O’Conor¹, P. R. Srivaths², K. Hosek², E. Gerzina¹, A. Huynh¹, A. Thorsen¹, E. Brewer², T. Galvan¹, ¹Division of Abdominal Transplantation, Baylor College of Medicine, Houston, TX, ²Department of Pediatrics, Baylor College of Medicine, Houston, TX, ³Texas Children’s Hospital, Houston, TX

B249  Long-Term Outcomes of Elderly Living Donors: A Nationwide Population-Based Study  
H. Yoon¹, Y. Kim², S. Shin¹, J. Ahn³, C. Yang¹, B. Chung¹, ¹The Catholic University of Korea, -Seoul, Korea, Republic of, ²Yonsei University Wonju College of Medicine, Wonju, Korea, Republic of, ³Department of Information & Statistics, Yonsei University, Wonju, Korea, Republic of

B250  Qualitative Recovery Outcomes of Living Kidney Donors  
J. Huang¹, M. Mahoney², J. Buggs¹, E. Rogers¹, A. Kumar¹, ¹Tampa General Hospital, Tampa, FL, ²University of Florida, Gainesville, FL, ³University of South Florida, Tampa, FL
Poster Session B: Kidney Living Donor: Quality and Selection

B251 Quality of Life in Tolerant Living Donor Kidney Transplants vs. Standard of Care
D. Tollerud¹, J. Leventhal², J. Galvin², J. Mathews², L. Gallon², D. Stare³, J. Miller³, M. Abecassis², S. Ildstad³, Regenerex, Inc., Louisville, KY, ²Northwestern U, Chicago, IL, ³U of Louisville, Louisville, KY

B252 Long-Term Influence of Arteriosclerosis in Kidney Grafts Proven by a Zero-Hour Biopsy
Y. Kakuta¹, M. Okumi¹, T. Kanzawa¹, K. Unagami¹, H. Ishida¹, K. Tanabe¹, Urology, Tokyo Women’s Medical University, Tokyo, Japan, ²Organ Transplant Medicine, Tokyo Women’s Medical University, Tokyo, Japan

B253 Enhanced Advocacy and Health Systems Training through Patient Navigation Increases Access to Living Donor Kidney Transplantation
R. D. Reed¹, V. Kumar¹, B. Berry¹, D. Hendricks¹, A. Carter¹, B. A. Shelton¹, M. N. Mustian¹, P. A. MacLennan¹, H. Qu¹, L. Hannon², C. Yates², M. J. Hanaway¹, J. E. Locke¹, University of Alabama at Birmingham, Birmingham, AL, Tuskegee University, Tuskegee, AL

B254 Post-Transplant Functional Status Trajectory among Adult Kidney Transplant Recipients
N. Chu, Z. Shi, H. Ying, C. Haugen, D. Segev, M. McAdams-DeMarco, Johns Hopkins University, Baltimore, MD

B255 Facilitators and Barriers to the Implementation of Culturally Competent Care to Increase Living Kidney Donation in Transplant Centers

B256 Unusual Suspects: Real Time Physiological Evaluation of Stressors during Laparoscopic Donor Nephrectomy
C. A. Wilson¹, S. Chahine¹, S. Cristancho¹, S. Aquil², M. Mandurah², M. A. Levine², A. Sener², Psychology and Center for Education Research & Innovation, Western University, London, ON, Canada, ²Surgery, Western University, London, ON, Canada

B257 Hypertrophy Prediction Model for Contralateral Kidney after Living Donation
K. Okumura¹, K. Tanaka², H. Yokomizo², S. Yamanaga², Department of Surgery, University of Pittsburgh, Pittsburgh, PA, ²Department of Surgery, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan, ³Department of Nephrology, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan, ⁴Department of Urology, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan

B258 Evolution Of Right Laparoscopic Nephrectomy, Report Of A Tertiary Care Center In Mexico
L. Noriega-Salas, J. Cruz-Santiago, M. Quiñones-Gamero, J. Barcena, M. De Gante, G. Bernardez-Gomez, Transplant Department, Instituto Mexicano Del Seguro Social, Mexico City, Mexico

B259 Two-Year, Single Center, Retrospective Review of Herbal Supplement Use in Living Kidney Donors
N. Persun¹, D. Johnson¹, A. Leonberg-Yoo², J. Bahrainwala², P. P. Reese², D. M. Collins³, M. Houston³, A. Naji⁴, J. Trofe-Clark¹, Pharmacy, Hospital of the University of Pennsylvania, Philadelphia, PA, ²Renal Division, Perelman School of Medicine, Univ. of Pennsylvania, Philadelphia, PA, ³Hospital of the University of Pennsylvania, Philadelphia, PA, ⁴Surgery, Perelman School of Medicine, Univ. of Pennsylvania, Philadelphia, PA
B260 The Outcomes of Living Donor Kidney Transplantation in Donors or Recipients with Donors' Renal Arteriosclerotic Lesions on Preoperative Computed Tomography

B261 Renal Pathological Findings in Living Kidney Donor Candidates with Minimal Urinary Abnormalities

B262 Use of Opioids and NSAIDs in Living Kidney Donors: Clinical Correlates and Early Outcomes


B264 Changing Education Paradigms: Training Fellows for High Stake Procedures

B265 Facilitators and Barriers to Implementing the Live Donor Champion Program

B266 A Novel Trapezoidal Area Under Curve (AUC) Based Glomerular Filtration Rate (GFR) Measurement Using Non Radioactive Iohexol Plasma Clearance in Potential Kidney Donors

B267 Chylous Ascites Following Laparoscopic Live Donor Nephrectomy: A New Improved Treatment Paradigm

B268 Unhinged or Unselfish: A Deep Dive into Non-Directed Donors
**Poster Session B**

**Sunday, June 2**

**B269** Arterial Blood Pressure Circadian Rhythm in Renal Transplant Recipients

**B270** Better Education of Kidney Recipients and Improved Access for Donor Referrals May Lead to Higher Living Donation Rates: An Early Single Center Analysis
V. Humphreville, N. Sarabu, M. DebRoy, M. Schuster, E. Sanchez, A. Padiyar, A. Jittirat, K. Yadav, J. Rabets, A. Palanisamy, K. Chavin, University Hospitals Cleveland Medical Center, Cleveland, OH

**B271** Sex, Race, Social Networks, and Requests for Living Donation
A. Gillespie, H. Gardiner, E. L. Fink, P. P. Reese, C. Gadegbeku, Z. Obradovic, 1Nephrology, Hypertension, and Kidney Transplantation, Lewis Katz School of Medicine Temple University, Philadelphia, PA, 2College of Public Health, Temple University, Philadelphia, PA, 3Communication and Social influence, Temple University Klein College of Media and Communication, Philadelphia, PA, 4Renal-Electrolyte and Hypertension, University of Pennsylvania, Perelman School of Medicine, Philadelphia, PA, 5College of Computer and Information Sciences, Temple University, Philadelphia, PA

**B272** Analgesia and Control of Pain Following Laparoscopic Donor Nephrectomy
J. Hedvat, N. W. Lange, P. Sandoval, L. E. Ratner, D. S. Tsapepas, Pharmacy, NewYork-Presbyterian Hospital, New York, NY, 2Surgery, Columbia University Irving Medical Center, New York, NY

**B273** Mathematical Model of Post-Transplant Serum Creatinine
B. Jun Bae, O. Chang-Kwon, Department of Transplant and Vascular Surgery, Ajou University Medical School, Suwon, Korea, Republic of

**B274** Variation in Living Donor Kidney Transplantation and the Impact of Medicaid Expansion
T. A. Melanson, S. Pastan, R. Patzer, 1Department of Surgery, Emory University, Atlanta, GA, 2SOM: Medicine: Nephrology, Emory University, Atlanta, GA

**B275** Standardized Pain Management Post Donor Nephrectomy Results in Decreased Length of Stay
N. Alvey, B. Hohoff, M. Brokhof, N. Kenyon, E. Hollinger, 1Pharmacy, Rush University Medical Center, Chicago, IL, 2Transplant, Rush University Medical Center, Chicago, IL, 3Surgery, Rush University Medical Center, Chicago, IL

**B276** Outcomes after Incompatible Living Donor Transplantation in Older Recipients
J. Long, K. Jackson, J. Motter, S. Bae, A. Massie, M. Waldram, K. Covarrubias, J. Chen, B. Orandi, N. Desai, D. Segev, J. Garonzik-Wang, 1Johns Hopkins School of Medicine, Baltimore, MD, 2Surgery, University of Alabama at Birmingham, Birmingham, AL

**B277** Robotic Donor Nephrectomy: Is It Safe Alternative?
D. Friedman, R. Shahbazov, I. Bandler, T. Malik, Z. Acun, K. Olivera-Wright, B. Gallay, O. Pankewycz, M. Laftavi, Surgery, Upstate Medical University, Syracuse, NY

**B278** Kidney Function Evaluation Among Living Donors In A Multiracial Population. The Results From A Brazilian Single-center Cohort Study.
L. R. Requião-Moura, P. R. Bicalho, A. Pacheco-Silva, Hospital Israelita Albert Einstein, São Paulo, Brazil

**B279** Using a Massive Open Online Course on Clinical Kidney, Prancreas and Islet Transplantation in Different Settings of Transplant Education
P. G. De Jong, R. A. Hendriks, F. Luk, M. E. Reinders, 1Center for Innovation in Medical Education, Leiden University Medical Center, Leiden, Netherlands, 2Internal Medicine, Leiden University Medical Center, Leiden, Netherlands
Poster Session B: Kidney Living Donor: Selection

B280 Kidney Transplant Recipient Outcomes from Living Donors with Stones
S. Doshi, T. Taber, M. S. Yaqub, O. Adebiyi, D. Mishler, C. Sundaram, J. Powelson, W. Goggins, A. Sharfuddin, Indiana University School of Medicine, Indianapolis, IN

B281 Correlates of Surgical Difficulty and Post-Operative Complications in Living Donor Kidney Procurement
B. I. Shaw¹, F. R. Schwartz², F. Vernucci², F. Rigioli², F. Gonzalez², R. Lerebours³, A. S. Rege¹, D. Vikraman¹, D. Marin², K. V. Ravindra¹, Surgery, Duke University, Durham, NC, Radiology, Duke University, Durham, NC, Biostatistics, Duke University, Durham, NC

B282 Renal Transplantation from a Living Donor with a Horseshoe Kidney
J. Choi, J. Jung, J. Kim, H. Kwon, S. Shin, Y. Kim, D. Han, Division of Kidney & Pancreas Transplantation, Department of Surgery, Asan Medical Center, Seoul, Korea, Republic of

B283 Complex Live Donor Anatomy Does Not Preclude Kidney Transplantation
P. Veitch, T. Brown, A. Courtney, J. McDaid, Transplant Department, Belfast City Hospital, Belfast, United Kingdom

B284 An Interesting Case of Proteinuria in Living Kidney Donor
A. Yadav, W. Maley, P. Singh, Thomas Jefferson University, Philadelphia, PA

B285 Surgical Outcome and Analysis of Risk of Complications in Kidney Donors Receiving Laparoscopic Live Donor Nephrectomy
C. Yang, C. Yeh, C. Lee, C. Chen, I. Lai, P. Lee, M. Tsai, Department of Surgery, National Taiwan University Hospital, Taipei, Taiwan

B286 Impact of Discards for Living Donor Kidney Transplantation in Center Transplant Program
H. Villafuerte⁴, E. De Sousa-Amorim⁵, L. Peri⁶, M. Musquera⁶, E. Palou⁶, M. Lozano⁶, J. Cid⁶, J. Martorell⁶, J. M. Campistol⁷, F. Oppenheimer⁷, F. Diekmann⁷, I. Revuelta⁷, Department of Nephrology, Hospital Clinic Lozano Blesa, Zaragoza, Spain, Department of Nephrology and Kidney Transplant, Hospital Clinic, Barcelona, Spain, Department of Urology, Hospital Clinic, Barcelona, Spain, Department of Immunology, Hospital Clinic, Barcelona, Spain, Department of Apheresis, Hospital Clinic, Barcelona, Spain

B287 Living Donor Kidney Transplantation. Overcoming Sex Disparity In Japan
M. Yoshikawa, Nephrology, Kobe University Hospital, Kobe, Japan

B288 Individualized Preconditioning for ABO-Incompatible Living Donor Kidney Transplantation: An Initial Report of 48 Cases from China
X. Wang, J. Liu, Department of Urology/Institute of Urology, West China Hospital of Sichuan University, Chengdu, China

B289 Is Living Donor Kidney Donor Profile Index Useful for Japanese?
K. Okumura¹, K. Tanaka², Y. Hidaka², M. Toyoda³, S. Uekihara³, A. Inadome⁴, H. Yokomizo⁴, S. Yamanaga⁴, Department of Surgery, University of Pittsburgh, Pittsburgh, PA, Department of Surgery, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan, Department of Nephrology, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan, Department of Urology, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan
B290 How Challenging Will Be My Living Donor? CT Scan and Clinical Evaluation Can Predict Technical Difficulty of Laparoscopic Donor Nephrectomy
V. Bianchi¹, G. Spagnoletti¹, R. Iezzi², F. E. Rossini¹, A. Posa², A. E. Rossini¹, M. P. Salerno¹, F. Citterio¹, J. Romagnoli¹, ¹Renal Transplant Unit, Fondazione Policlinico Universitario A. Gemelli IRCCS, Roma, Italy, ²Radiology, Fondazione Policlinico Universitario A. Gemelli IRCCS, Roma, Italy

B291 HbA1c as a Noninvasive Predictor of Chronic Histopathologic Changes in Living Donors for Kidney Transplantation
K. Tanaka¹, S. Nishida¹, K. Kinoshita¹, Y. Hidaka¹, M. Toyoda², A. Inadome³, A. Takeda¹, H. Yokomizo⁶, S. Uekiara⁶, J. Shoji¹, S. Yamanaga¹, ¹Surgery, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan, ²general medicine, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan, ³Urology, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan, ⁴Nephrology, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan, ⁵Surgery, Japanese Red Cross Nagoya Daini Hospital, Nagoya, Japan, ⁶Surgery, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan, ⁷general medicine, Japanese Red Cross Kumamoto Hospital, Kumamoto, Japan, ⁸Nephrology, UCSF Connie Frank Transplant Center, San Francisco, CA

B292 † Comparison Of Estimating Glomerular Filtration Equations In Living Kidney Donor Candidates Prior To Donation
S. Hebert³, J. Xu², H. Ibrahim¹, ¹Nephrology, Hypertension and Transplantation, Houston Methodist Hospital, Houston, TX, ²Houston Methodist Research Institute, Houston, TX

B293 † Mitigating Racial and Gender Disparities in Access to Living Donor Kidney Transplantation: Impact of the Nation’s Longest Single-Center Kidney Chain
M. N. Mustian, V. Kumar, K. Stegner, D. Mompoint-Williams, M. Hanaway, M. H. Deierhoi, C. Young, B. Orandi, D. Anderson, P. A. MacLennan, R. D. Reed, B. A. Shelton, D. Eckhoff, J. E. Locke, University of Alabama at Birmingham, Birmingham, AL

B294 Causes of 30 Day Graft Loss among Shared Kidneys in the National Kidney Registry (NKR)
J. Verbesey¹, A. Thomas², M. Ronin³, D. Segev⁴, A. Waterman⁵, S. Flechner⁶, M. Cooper¹, ¹Georgetown University Hospital, Washington, DC, ²University of North Carolina, Chapel Hill, NC, ³National Kidney Registry, New York, NY, ⁴Johns Hopkins University, Baltimore, MD, ⁵UCLA, Los Angeles, CA, ⁶Cleveland Clinic, Cleveland, OH

B295 Inclusion of Compatible Pairs in the Australian Paired Kidney Exchange Program
E. van Hardeveld¹, S. McGinn², L. Cantwell³, M. Kummrow³, P. Hughes¹, ¹Nephrology, Royal Melbourne Hospital, Melbourne, Victoria, Australia, ²Nephrology, Royal North Shore Hospital, Sydney, New South Wales, Australia, ³Victorian Transplantation and Immunogenetics Service, Australian Red Cross Blood Service, Melbourne, Victoria, Australia

B296 Desensitization Protocols vs Kidney Paired Donation to Overcome AB0 Incompatibility and/or Donor Specific Antibodies in Living Donor Kidney Transplantation
Quantifying Patient Perspectives On Paired Kidney Exchange
M. Duda, M. Houston, D. Collins, P. Porrett, Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA, Hospital of the University of Pennsylvania, Philadelphia, PA

Distribution And Outcomes Of Donor Right Kidneys In A National Paired Kidney Exchange Program

Compatible Pairs And Non-directed Living Donors Enhance Paired Exchange Kidney Transplantation: Single-center Experience

Guideline Adherence for Secondary Prevention of Stroke and Atherosclerotic Cardiovascular Disease among Liver Transplant Recipients
P. T. Campbell, M. Kosirog, S. Montag, S. Connolly, A. Daud, A. Das, S. Pine, D. Finn, J. Levitsky, J. L. Holl, D. M. Lloyd-Jones, L. B. VanWagner, Division of GI and Hepatology, Department of Medicine, Northwestern University, Chicago, IL, Department of Preventive Medicine, Northwestern University, Chicago, IL, Center for Healthcare Studies, Northwestern University, Chicago, IL, Department of Pediatrics and Center for Healthcare Studies, Northwestern University, Chicago, IL, Departments of Preventive Medicine and Medicine-Cardiology, Northwestern University, Chicago, IL, Division of GI and Hepatology, Department of Medicine and Department of Preventive Medicine, Northwestern University, Chicago, IL

Early Cognitive Improvement One Month after Liver Transplant Measured by the NIH Toolbox
M. Kim, J. D. Peipert, K. J. Reid, E. M. Liotta, M. B. Maas, D. R. Ganger, P. C. Zee, D. P. Ladner, Neurology, Northwestern University, Chicago, IL, Division of GI and Hepatology, Northwestern University, Chicago, IL, Division of Medicine, Northwestern University, Chicago, IL, Surgery, Northwestern University, Chicago, IL

Measuring of Outcomes in Liver Transplant Patients with or without Splenectomy: A Meta Analysis
M. Chen, B. Huang, Y. Zhang, W. Ju, X. He, Transplant Center, Sun Yat-sen University, Guangzhou, China

Immediate Post-Operative Extubation Decreases Pulmonary Complications in Liver Transplant Patients

Clinical Impact of Spontaneous Portosystemic Shunts on the Short Term Outcome of Liver Transplantation
E. A. Rodriguez, R. M. Perez, N. Zhang, E. S. Lim, C. R. Miller, M. A. Schwartz, A. J. McGirr, A. Srinivasan, W. R. Hewitt, A. C. Silva, J. Rakela, H. E. Vargas, Transplant Hepatology, Mayo Clinic Arizona, Phoenix, AZ, Mayo Clinic School of Medicine, Mayo Clinic Arizona, Phoenix, AZ, Division of Health Sciences Research, Mayo Clinic Arizona, Phoenix, AZ, Radiology, Mayo Clinic Arizona, Phoenix, AZ, Transplant Surgery, Mayo Clinic Arizona, Phoenix, AZ

Incisional Ventral Hernia Repair (IVHR) in Post Liver Transplant Recipients (OLT) through a Robotic-Assisted Intervention (RAI): Initial Single-Center Experience
A. Mejia, C. G. Fasola, A. Stegall, Liver Transplantation, Methodist Dallas Medical Center, Dallas, TX
B306 † Outcomes Following Open Inguinal Hernia Repair in Liver Transplant versus Cirrhotic Patients
N. Siegel, A. Kernodle, S. DiBrito, T. Ishaque, D. Segev, J. Garonzik-Wang, Johns Hopkins, Baltimore, MD

B307 Patients With Biliary Complications Following Orthotopic Liver Transplantation Can Be Successfully Managed By Serial Endoscopic Retrograde Cholangio-pancreatography
R. Kaur, I. C. Morales, D. Dhillon, M. S. Ilias, S. Nagai, D. Venkat, A. Yoshida, S. Jafri, Henry Ford Hospital, Detroit, MI

B308 Transplant Provider Adherence to Cardiovascular Disease Primary Prevention Guidelines in Liver Transplant Recipients
M. Kosirog1, P. T. Campbell1, S. Montag2, S. Connolly1, A. Daud1, A. Das1, S. Pine1, D. Finn3, J. Levitsky1, J. L. Holl4, D. M. Lloyd-Jones5, L. B. VanWagner6, 1Division of GI and Hepatology, Department of Medicine, Northwestern Medicine, Chicago, IL, 2Department of Preventative Medicine, Northwestern Medicine, Chicago, IL, 3Center for Healthcare Studies, Northwestern Medicine, Chicago, IL, 4Department of Pediatrics and Center for Healthcare Studies, Northwestern Medicine, Chicago, IL, 5Department of Preventive Medicine and Division of Cardiology, Department of Medicine, Northwestern Medicine, Chicago, IL, 6Division of GI and Hepatology, Department of Medicine and Department of Preventive Medicine, Northwestern Medicine, Chicago, IL

B309 Allograft Quality Impacts Simultaneous Liver Kidney Transplant Survival Outcomes in Recipients That Undergo Liver Re-Transplantation
J. Reyes, M. Eerhart, C. Blanton, P. Chlebeck, E. Polvak, Y. Yankol, L. Fernandez, Department of Surgery, University of Wisconsin - Madison, Madison, WI

B310 Variables Associated with Intracardiac Thrombus during Orthotopic Liver Transplant: A Retrospective Single-Center Study
M. Groose1, J. Mezrich2, L. Hammel1, 1Department of Anesthesiology, University of Wisconsin, Madison, WI, 2Department of Surgery, University of Wisconsin, Madison, WI

B311 Nodular Regenerative Hyperplasia after Liver Transplant - It is All in the Presentation
A. K. Chen1, S. Yamaguchi2, C. Praglin2, E. Agudelo5, F. K. Yao2, S. M. Syed2, G. R. Roll5, 1University of California, San Francisco - Fresno, Fresno, CA, 2University of California, San Francisco, San Francisco, CA

B312 Management of Dyslipidemia after Liver Transplantation
S. S. Patel1, V. A. Rodriguez2, M. B. Siddiqui1, M. Faridnia3, F. Lin4, J. Laurenzano4, J. Clinton5, A. Chandrakumaran5, T. Reichman5, C. Bhati6, M. S. Siddiqui1, 1Division of Gastroenterology, Hepatology and Nutrition, Department of Internal Medicine, Virginia Commonwealth University, Richmond, VA, 2Department of Bio-statistics, Virginia Commonwealth University, Richmond, VA, 3Department of Internal Medicine, Virginia Commonwealth University, Richmond, VA, 4Virginia Commonwealth University, Richmond, VA, 5Department of Transplant Surgery, Virginia Commonwealth University, Richmond, VA

B313 Etiology of Liver Disease Affects Weight Gain after Liver Transplant
A. Chandrakumaran1, M. B. Siddiqui2, S. Patel2, F. Lin2, J. Laurenzano2, J. Clinton2, T. Reichman4, C. Bhati4, M. S. Siddiqui2, 1Internal Medicine, Virginia Commonwealth University, Richmond, VA, 2Gastroenterology & Hepatology, Virginia Commonwealth University, Richmond, VA, 3Virginia Commonwealth University, Richmond, VA, 4Transplant Surgery, Virginia Commonwealth University, Richmond, VA
B314 Redefining Cirrhotic Cardiomyopathy: A Shifting Paradigm
M. J. Izzy, M. Angirekula, M. Leise, A. Allen, K. Watt, Gastroenterology and Hepatology, Vanderbilt University Medical Center, Nashville, TN, Gastroenterology and Hepatology, Mayoclinic, Rochester, MN

B315 Unplanned Pregnancies after Liver Transplant Are Associated with Adverse Pregnancy Outcomes
M. Sarkar, L. A. Coscia, D. Kliniewski, S. Rao, S. Constantinescu, M. J. Moritz, Medicine, University of California San Francisco, San Francisco, PA, Gift of Life Institute, Transplant Pregnancy Registry International, Philadelphia, PA, Medicine, University of Virginia Health System, Charlottesville, VA, Medicine, Lewis Katz Temple University School of Medicine, Philadelphia, PA, Surgery, Lehigh Valley Health Network, Allentown, PA

B316 Treatment of Cardiovascular Risk Factors Improves Long Term Outcome Post Liver Transplantation

B317 Impact of Hepatitis C Viremia on Post-Transplant Diabetes Mellitus Development in Liver Transplant Recipients
K. Klein, J. Nelson, B. Crowther, E. Kincaide, K. V. Speeg, N. Alkhour, R. Hall, University Health System, The University of Texas at Austin, College of Pharmacy, Pharmacotherapy Division, Austin, TX, The University of Texas Health Science Center at San Antonio, San Antonio, TX, University Health System, San Antonio, TX, The University of Texas Health Science Center at San Antonio, University of the Incarnate Word Feik School of Pharmacy, San Antonio, TX, University Health System, The University of Texas Health Science Center at San Antonio, San Antonio, TX, University Health System, The University of Texas Health Science Center at San Antonio, Texas Liver Institute, San Antonio, TX

B318 Incidence and Risks for Non-alcoholic Fatty Liver Disease and Steatohepatitis Post Liver Transplant: Systematic Review and Meta-Analysis
N. Saeed, P. Sharma, L. Glass, C. Shannon, C. Sonnenday, M. Konerman, Beaumont Hospital, Ann Arbor, MI, University of Michigan, Ann Arbor, MI

B319 Multimodal Analgesia Reduces Opioid Use after Liver Transplantation
K. Tong, W. Nolan, D. O’Sullivan, H. Kutzler, Hartford Hospital, Hartford, CT

B320 Pleural Effusion In Liver Transplantation Associated With Worse Hospital Outcomes And Lower Patient Survival
C. Vega, J. Clouse, A. Cabrales, W. Bush, C. Kubal, R. S. Mangus, Indiana University, Indianapolis, IN, Surgery, Indiana University, Indianapolis, IN

B321 Analyzing The Effect Of Liver Transplantation On Myocardial Strain Using Speckle Tracking Echocardiography In Nonalcoholic Steatohepatitis (NASH) Patients
A. Chhatriwala, M. Lam, E. Kim, S. Raissi, N. Mazumder, J. Thomas, H. Maddur, M. Rinella, Northwestern Memorial Hospital, Chicago, IL

B322 Perioperative Lactate Levels Are Sensitive Marker to Predict Early Allograft Dysfunction and Short-Term Graft Failure after Liver Transplant
K. Takahashi, S. Nagai, K. Collins, M. Rizzari, M. Safwan, S. Jafri, T. Oda, A. Yoshida, M. Abouljoud, Surgery, University of Tsukuba, Tsukuba, Japan, Surgery, Henry Ford Hospital, Detroit, MI, Gastroenterology, Henry Ford Hospital, Detroit, MI

B323 Osmotic Demyelination Syndrome after Liver Transplantation- Etiology and Treatment Options
P. Mihaylov, D. Soma, D. Kuruppu, B. Ekser, R. Mangus, J. Fridell, R. Snook, C. Kubal, Indiana Univ School of Medicine, Pavia University School of Medicine, Indianapolis, IN, Indiana Univ School of Medicine, Indianapolis, IN
Proximal Splenic Artery Embolization Is A Safe And Effective Tool To Treat Two Sides Of The Same Coin After Liver Transplant: Persistent High Hepatic Artery Resistive Index And Refractory Ascites And Hydrothorax Due To Portal Hyperperfusion

L. Lomaglio, H. Matsushima, A. Simioni, G. D’Amico, T. Diago Uso, K. Hashimoto, B. Eghtesad, M. Fuji, F. Aucejo, K. Sasaki, C. Kwon, C. Coppa, M. Bayona Molano, C. Miller, C. Quintini, Cleveland Clinic, Cleveland, OH

Multidisciplinary Practitioner Perspectives on Cardiovascular Disease Guideline Interventions in Liver Transplant Recipients

M. Kosirog1, L. Adamski1, A. Daud2, D. Finn2, D. Gregory1, D. M. Lloyd-Jones3, J. L. Holl4, L. B. VanWagner5, 1Medicine-GI & Hepatology, Northwestern University, Chicago, IL, 2Center for Healthcare Studies, Northwestern University, Chicago, IL, 3Medicine-Cardiology and Preventive Medicine, Northwestern University, Chicago, IL, 4Pediatrics & Center for Healthcare Studies, Northwestern University, Chicago, IL, 5Medical-GI & Hepatology and Preventive Medicine, Northwestern University, Chicago, IL

Poor Practitioner Adherence to Clinical Tobacco Use Guidelines in Liver Transplant Recipients

M. Kosirog1, P. T. Campbell1, S. Montag2, S. Connolly1, A. Daud3, A. Das1, S. Pine1, D. Finn2, J. Levitsky1, J. L. Holt4, D. Lloyd-Jones5, L. B. VanWagner6, 1Division of GI and Hepatology, Department of Medicine, Northwestern Medicine, Chicago, IL, 2Department of Preventive Medicine, Northwestern Medicine, Chicago, IL, 3Center for Healthcare Studies, Northwestern Medicine, Chicago, IL, 4Department of Pediatrics & Center for Healthcare Studies, Northwestern Medicine, Chicago, IL, 5Departments of Preventive Medicine and Medicine-Cardiology, Northwestern Medicine, Chicago, IL, 6Division of GI and Hepatology, Department of Medicine and Department of Preventive Medicine, Northwestern Medicine, Chicago, IL

Complications of Interposition Grafts for Middle Hepatic Vein Reconstruction in Living Donor Liver Transplantation

S. Kim, G. Chun, I. Song, Division of Hepatobiliary and Liver Transplantation, Department of Surgery, Chungnam National University Hospital, Daedeon, Korea, Republic of

Five Years after Right Hepatectomy for Living Liver Donation: Donor State of Health

D. P. Hoyer, E. Malamutmann, G. Bagias, A. Oezcelik, General, Visceral and Transplantation Surgery, University Hospital Essen, Essen, Germany

Patient Response to a Formal Living Donor Liver Transplant Educational Program

P. Narayanan, C. Palumbo, K. Ventura, R. Tomlin, L. Hammers, M. Joyce, D. Wuerth, D. Haakinson, S. Kulkarni, D. Mulligan, S. Emre, A. Liapakis, Transplantation Center, Yale-New Haven Hospital, New Haven, CT
B332 Absorbable Mesh Placement to Prevent Incisional Hernias after Donor Hepatectomy
D. von Ahrens¹, R. Hwang², T. Kato², J. Emond², A. Griesemer², B. Samstein¹,
¹Surgery, New York Presbyterian Weill Cornell, New York, NY, ²Surgery, New York Presbyterian Columbia University Medical Center, New York, NY

B333 Clinical Outcomes of Living versus Deceased Donor Liver Transplantation for Primary Sclerosing Cholangitis: A Multicenter 15 Year Experience
O. Y. Mousa¹, K. D. Watt¹, J. K. Heimbach², A. P. Keaveny³, J. E. Eaton¹, D. M. Harnois¹, B. Taner⁴, E. J. Carey⁴, A. A. Moss⁴, C. B. Rosen⁵, T. Taner⁶,
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B334 Clinical Outcomes of Patients with Portal Vein Tumor Thrombi after Living Donor Liver Transplantation
D. Kim, Surgery, Seoul St. Mary’s Hospital, Catholic University of Korea, Seoul, Korea, Republic of

B335 The Experience of Somatostatin to Prevent Small-for-Size Syndrome in Patients with Small Graft in Living Donor Liver Transplantation
D. Kim, K. Yoon, H. Jo, W. Kang, Korea University College of Medicine, Seoul, Korea, Republic of

B336† Inferior Graft and Patient Survival Following Offspring to Parent Living Donor Liver Transplantation

B337 Near-Miss Events during Donor Left Liver Lobe Hepatectomy: A Potential Quality-Control to Assess Donor Safety in Living Donor Liver Transplantation Programs
E. BONACCORSI-RIANI, V. Daudré-Vignier, O. Ciccarelli, L. Coubeau, S. Iesari, R. Tambucci, C. De Magnee, A. Pire, R. Reding, Cliniques universitaires Saint Luc - Université Catholique de Louvain, Brussels, Belgium

B338 Novel Cell-Free and Concentrated Ascites Reinfusion Therapy for Management of Refractory Ascites in Liver Transplant Candidates

B339 Risk Factors for Post-Transplant Outcomes in Living and Deceased Donor Liver Transplantation. An Analysis of UNOS Registry
T. Kitajima, S. Nagai, K. Collins, M. Rizzari, A. Yoshida, M. Abouljoud, Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI

B340 Adult-to-Adult Living-Donor Liver Transplantation: Towards a Prediction of Three-Month Survival Combining Graft-to-Recipient Weight and MELD in a Caucasian Population
S. Iesari, R. Reding, J. Lerut, E. Bonaccorsi-Riani, L. Coubeau, O. Ciccarelli, Abdominal Surgery and Transplant Department, Université Catholique de Louvain, Brussels, Belgium

B341† Totally Robotic Donor Hepatectomy: Feasibility And Early Outcomes
Y. Cheah, C. J. Simon, W. D. Lewis, R. L. Jenkins, M. E. Akoad, Lahey Hospital & Medical Center, Burlington, MA
**B342** Learning Curve for Living Donor Laparoscopic Left Lateral Sectionectomy
R. Hwang¹, D. von Ahrens², A. Griesemer¹, T. Kato¹, J. Emond¹, D. Cherqui³, B. Samstein², ¹Department of Surgery, Columbia University Medical Center, New York, NY, ²Department of Surgery, Weill Cornell Medicine, New York, NY, ³Department of Surgery, Paul Brousse Hospital - Université Paris Sud, Villejuif, France

**B343** Pulmonary Complications in Living Liver Donors
D. Esendagli¹, E. Ayvazoglu Soy², E. Kupeli¹, A. Akdur², S. Yildirim², A. Torgay³, S. Boyacioglu⁴, M. Haberal³, ¹Pulmonary Diseases, Baskent University, Ankara, Turkey, ²Transplantation, Baskent University, Ankara, Turkey, ³Anesthesiology, Baskent University, Ankara, Turkey, ⁴Gastroenterology, Baskent University, Ankara, Turkey

**B344** Higher Incidence of Coagulation Complications in Live Liver Donation

**B345** Impact of Donor Abdominal Aortic Calcification on Bile Duct Complications of Recipients after Living Donor Liver Transplantation; a Retrospective Study
Y. Imaoka, M. Ohira, K. Sato, H. Tahara, K. Ide, Y. Tanaka, H. Ohdan, Hiroshima University Hospital, Hiroshima, Japan

**B346** Ligation of the Proximal Splenic Vein to Keep Adequate Portal Flow in Patients with Large Splenorenal Shunts during Living Donor Liver Transplantation
C. Cheng, Department of General Surgery, Chang Gung Memorial Hospital at Linkou, Kwei-Shan Township, Taoyuan, Taiwan

**B347** Early Allograft Dysfunction Does Not Predict Graft or Patient Survival in Recipients of Living Donor Liver Transplantation

**B348** Insertion of Internal Stent in Duct-to-Duct Biliary Reconstruction to Reduce Bile Duct Complication in Living Donor Liver Transplantation
H. Choi¹, G. Na², ¹Surgery, Seoul St. Mary’s Hospital, The Catholic University of Korea, Seoul, Korea, Republic of, ²Surgery, Bucheon St. Mary’s Hospital, The Catholic University of Korea, Bucheon, Korea, Republic of

**B349** Impact of a Liver Waitlist Candidate LDLT Educational Outreach Program on Referrals and Outcomes of Donor Evaluation

**B350** Correlations between Preoperative Hepatic Venous Pressure Gradient and Graft Hemodynamics after Reperfusion in Living Donor Liver Transplantation
H. Matsushima, M. Fujiki, K. Sasaki, F. Aucejo, T. Diago Uso, C. Kwon, B. Eghtesad, C. Miller, C. Quintini, K. Hashimoto, General Surgery, Digestive Disease & Surgery Institute, Cleveland Clinic, Cleveland Clinic, Cleveland, OH

**B351** Management of Orphan Ducts After Pediatric Living Donor Liver Transplantation
N. Celik¹, A. Ganoza², A. Khanna², G. Bond¹, K. Soltys³, R. Sindhi², J. Crowley³, A. Humar¹, G. Mazariogos², ¹Thomas E. Starzl Transplantation Institute, University of Pittsburgh Medical Center, Pittsburgh, PA, ²Hillman Center for Pediatric Transplantation, Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, PA, ³Department of Radiology, Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, PA

**B352** Donor Exclusions and Shifting Trends in Living Liver Donor Evaluations: A Single Center Experience
S. Ganesh, M. Molinari, A. Tevar, C. Hughes, A. Humar, Transplant Surgery, UPMC, Pittsburgh, PA
B353  **Case Series Of Total Laparoscopic-hand Assisted Living Donor Right Hepatectomy: First 19 Cases At A Single Center In USA**
P. N. Martins¹, B. Movahedi², D. Litwin², A. Bozorgzadeh². ¹Surgery, Division of Transplantation, University of Massachusetts, Worcester, MA, ²Surgery, Division of Transplantation, University of Massachusetts, Worcester, MA

B354  **Expansion Of The Use Of Left Lobe Grafts In Adult Liver Transplantation In The United States: Different Strategy Between Deceased And Living Donor Grafts**
M. Fujiki, H. Matsushima, K. Sasaki, C. Quintini, F. Aucejo, T. Diago, B. Eghtesad, C. Miller, K. Hashimoto, Cleveland Clinic Foundation, Cleveland, OH

B355  **Meld Score / Grwr Ratio (meldgr) Can Predict Surgical Outcomes And Prognosis Of The Recipients In Adult-to-adult Living Donor Liver Transplantation**

B356  **† Drug Metabolizing Capacity Of The Liver In Liver Donors Recovers Fully By One Month Post Donation**
M. Miah¹, X. Wu¹, I. H. Shaik¹, H. J. Johnson¹, S. Ganesh², M. Molinari², A. D. Tevar², C. Hughes², A. Humar², R. Venkataramanan¹, ¹Pharmaceutical Sciences, University of Pittsburgh, Pittsburgh, PA, ²Department of Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA
Poster Session C: Histocompatibility and Immunogenetics

Poster Viewing: 6:00 pm - 7:00 pm
Presenters in Attendance: 6:00 pm - 7:00 pm
Hall C & D

A# indicates the board location where the poster will be displayed.

† Those posters identified as an ATC Poster of Distinction by this symbol have received review scores that place them in the top 10% of their category. The Planning Committee encourages you to make them a priority when you visit the poster session.

C1 Activation of Renal Fibroblasts by Anti-Major Histocompatibility Complex Antibody: A Missing Link in Allograft Fibrosis
M. B. Oliver1, J. Chen2, A. Zmijewska1, R. B. Mannon1, 1Medicine, Division of Nephrology, The University of Alabama at Birmingham, Birmingham, AL, 2Medicine, Division of Pulmonary, Allergy, and Critical Care Medicine, The University of Alabama at Birmingham, Birmingham, AL

C2 Intra-Operative Kinetics of Anti-HLA Antibodies in Simultaneous Liver-Kidney Transplantation
M. Kueht, P. Jindra, M. Cusick, N. Galvan, A. Rana, J. Goss, Baylor College of Medicine, Houston, TX

C3 Impact Of Donor AndRecipient Race On Kidney Transplant Surivals Evaluated By The Physiochemically-calculated Hla Immunogenicity
S. Stepkowski, B. Mierzejewska, M. Rees, University of Toledo, Toledo, OH

C4 Patients with Immunological Diseases or on Peritoneal Dialysis Are Prone to False Positive Flow Cytometry Cross Match
Q. Xu1, A. House2, S. Leckie1, L. Gunaratnam2, P. Luke3, A. Jevnikar3, 1Pathology and Lab Medicine, London Health Science Center, London, ON, Canada, 2Medicine, Western University, London, ON, Canada, 3Surgery, Western University, London, ON, Canada

C5 Report of 20 HLAMatchmaker Eplets Present on Denatured Class I HLA Molecules
R. de Marco1, A. C. Lima2, N. F. Pereira2, M. Gerbase-Delima1, 1Immunogenetics Institute, AFIP, Sao Paulo, SP, Brazil, 2Immunogenetics Laboratory, Universidade Federal do Paraná, Curitiba, PR, Brazil

C6 Improving Pre-Kidney Transplantation Laboratory Utilization in an Era of Increasing Waitlist Size
G. K. Mahowald1, B. Kimball2, N. Elias2, E. Heher3, T. Girouard1, S. L. Saidman1, V. Pattanayak1, 1Pathology, Massachusetts General Hospital, Boston, MA, 2Transplant Surgery, Massachusetts General Hospital, Boston, MA, 3Nephrology, Massachusetts General Hospital, Boston, MA

C7 Correlation of Crossmatch Predictions with Actual Results and Clinical Outcomes
R. Forbes1, B. Concepcion1, S. Fossey2, 1Vanderbilt University Medical Center, Nashville, TN, 2Dialysis Clinic, Inc, Nashville, TN

C8 † Anti-Complement Component 5 Antibody Based Immunosuppression Induced Accommodation in ABO Incompatible Heart Transplantation
S. Park1, S. Lee1, J. Hwang1, J. Ryu2, T. Koo2, C. Ahn3, J. Yang4, 1Biomedical Research Institute, Seoul National University Hospital, Seoul, Korea, Republic of, 2Transplantation Center, Seoul National University Hospital, Seoul, Korea, Republic of, 3Department of Internal Medicine, Seoul National University College of Medicine, Seoul, Korea, Republic of, 4Department of Surgery, Seoul National University Hospital, Seoul, Korea, Republic of
C9  Comparison of Tacrolimus or Cyclosporine Combined with Methotrexate for Graft versus Host Disease Prophylaxis after Allogeneic Hematopoietic Cell Transplantation: A Meta-Analysis
M. Chen, B. Huang, Y. Zhang, W. Ju, X. He, Transplant Center, Sun Yat-sen University, Guangzhou, China

C10  Exendin-4 for Donor Treatment in a Brain-Death Model of Kidney Transplantation
H. Yang, L. Luo, X. Li, C. Long, Y. Shi, Y. Xiong, M. Chen, J. Gao, H. Li, Z. Wang, Department of Organ Transplantation, People's Hospital of Jiangxi Province, Nanchang, China, Department of Pathology, Central Hospital of Wuhan, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, Department of Neurology, People's Hospital of Jiangxi Province, Nanchang, China, Department of Vascular Surgery, People's Hospital of Jiangxi Province, Nanchang, China, Department of Vascular Surgery, People's Hospital of Jiangxi Province, Nanchang, China, Department of Urologic Surgery, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China

C11  Bespoke Immunosuppression: Prolonging Transplant Survival through Enhanced T-cell Activation Induced Cell Death
R. Costello, R. J. Ingram, D. Longley, J. McDaid, WWIEM, QUB, Belfast, United Kingdom, CCRCB, QUB, Belfast, United Kingdom, Renal Transplantation, Belfast City Hospital, Belfast, United Kingdom

C12  A Novel Apparatus Mimicking Hypertensive Kidney With Primary Cultured Human Kidney Cells Using Rotational Force: Application To In Vitro Drug Screening In Kidney Transplant Recipients
Y. Kim, S. Lee, J. Moon, J. Kim, M. Yu, C. Lee, Y. Kim, S. Yang, J. Jeong, J. Seon, Internal Medicine, Seoul National University Hospital, Seoul, Korea, Republic of, Biomedical Research Institute, Seoul National University Hospital, Seoul, Korea, Republic of, Internal Medicine, Hanyang University Medical Center, Seoul, Korea, Republic of, Internal Medicine, Cheju Halla General Hospital, Cheju, Korea, Republic of, Kidney Research Institute, Seoul National University Hospital, Seoul, Korea, Republic of

C13  Store-Operated/Calcium Release Activated Calcium Channel Orai3 is a Novel Target for Immunoregulation

C14  Neutralization of Interlukin-6 by ALD518-P18 (Murine Clazakizumab) Attenuates Donor Specific Antibody Responses in a Mouse Model of Allogeneic Sensitization: A Report of Dosage Finding Study
I. Kim, G. Wu, N. Chai, T. Brennan, A. Klein, S. Jordan, Cedars-Sinai Med Ctr, Los Angeles, CA

C15  Effects of Thalidomide and Dexamethasone Co-Treatment on CD8+ T Cells
J. Kim, E. Kim, Y. Cho, H. Lee, M. Kim, Y. Kim, K. Huh, B. Kim, The Research Institute for Transplantation, Yonsei University College of Medicine, Seoul, Korea, Republic of, Brain Korea 21 PLUS Project for Medical Science, Yonsei University College of Medicine, Seoul, Korea, Republic of, Department of Transplantation Surgery, Yonsei University College of Medicine, Seoul, Korea, Republic of, Nephrology Division, Department of Internal Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of
C16 Eupatilin Ameliorates Tacrolimus Induced Nephrotoxicity via Inhibiting Apoptosis
H. J. Jang, C. S. Park, M. Y. Oh, Surgery, University of Ulsan, Gangneung Asan Hospital, Gangneung, Korea, Republic of

C17 † Bortezomib Attenuates the Progression of Epithelial to Mesenchymal Transition through Smurft1 Akt mTOR P70S6K Pathway in Rat Allograft Renal Interstitial Fibrosis Model
R. Tan, Z. Wang, S. Fei, Z. Han, J. Tao, X. Ju, M. Gu, No.300 Guangzhou Road of Nanjing, Nanjing, China

C18 Resistance of T Follicular Helper Cells to Depletion by Anti-Thymocyte Globulin
M. Pérez-Sáez¹, N. Murakami², T. J. Borges², P. T. Sage², J. Pascual¹, L. V. Riella², "Nephrology, Hospital del Mar, Barcelona, Spain, ²Brigham and Women’s Hospital, Harvard Medical School, Boston, MA

C19 C1q Dominant Deposits in Renal Transplant Biopsies Are Not Associated with Allograft Dysfunction
A. Babu¹, S. Williamson², N. Khoury¹, M. Safwan¹, A. Patel¹, "Transplant Institute, Henry Ford Hospitals, Detroit, MI, ²Pathology Surgical, Henry Ford Hospitals, Detroit, MI

C20 Targeting Pyroptosis in Brain-Dead Donors Improves Renal Function after Transplantation in Rat
H. Yang¹, Y. Shi², X. Li¹, L. Luo¹, C. Long¹, Y. Xiong³, M. Chen¹, J. Gao⁴, H. Li⁵, Z. Wang⁶, ¹Department of Organ Transplantation, People’s Hospital of Jiangxi Province, Nanchang, China, ²Department of Pathology, Central Hospital of Wuhan, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, ³Department of Neurology, People’s Hospital of Jiangxi Province, Nanchang, China, ⁴Department of Vascular Surgery, People’s Hospital of Jiangxi Province, Nanchang, China, ⁵Department of Urologic Surgery, Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China

C21 † Transplantation Alone Induces Myeloid-Derived Suppressor Cells Which Can Suppress T Cell Responses
Y. Lee, T. Zhang, J. S. Bromberg, J. R. Scalea, University of Maryland, Baltimore, MD

C22 Soluble Fibrinogen-Like Protein 2 Regulates MDSCs Differentiation and Function in Allograft Immunity
C. Yang, Urology, Zhongshan Hospital, Fudan University, Shanghai, China

C23 † Recipient Myeloid Notch1 Disruption Shifts Neutrophil towards Anti-Inflammatory Phenotype and Protects Liver Grafts from Ischemia-Reperfusion Injury
S. Kageyama¹, H. Hirao¹, K. Kadono¹, K. Nakamura¹, K. J. Dery¹, T. Ito², D. Oncel¹, J. Aziz¹, B. Ke¹, F. M. Kaldas², R. W. Busuttil², J. W. Kupiec-Weglinski¹, ¹Dumont-UCLA Transplant Center, UCLA, Los Angeles, CA, ²Surgery, Ronald Reagan UCLA Medical Center, UCLA, Los Angeles, CA

C24 Ikaros/IRF4 Signaling Regulates SIRT1-Mediated Macrophage M2 Shift in Liver Ischemia-Reperfusion Injury: From Mouse-to-Human
K. Kadono¹, K. Nakamura¹, H. Hirao¹, S. Kageyama¹, K. J. Dery¹, T. Ito¹, J. Aziz¹, X. Li², B. Ke¹, R. W. Busuttil², J. W. Kupiec-Weglinski¹, ¹Dumont-UCLA Transplant Center, UCLA, Los Angeles, CA, ²NIEHS, Durham, NC
**C25** Cellular Sources of Cytokine Production during Cold Ischemia Induced AKI after Kidney Transplant
S. Jain¹, R. Plenter², T. Nydam², A. Jani¹,
¹Renal Division, University of Colorado, Aurora, CO, ²Transplant Microsurgery Program, University of Colorado, Aurora, CO

**C26** mTOR Inhibitors Enhance Antitumor Activity of Liver Resident NK Cells
J. Saparbay, Y. Tanaka, A. Seidakhmetov, H. Ohdan, Gastroenterology and transplant Surgery, Hiroshima University, Hiroshima, Japan

**C27** Cyclo (his-pro) Protects Against Gentamicin Induced Cell Apoptosis And Cisplatin Induced Acute Kidney Injury Through Inhibiting P53 Mediated Apoptotic Pathway.
Y. Kim¹, J. Moon¹, J. Jeong¹, J. Kim¹, S. Lee¹, M. Yu², C. Lee³, Y. Kim¹, S. Yang², ¹Internal Medicine, Seoul National University Hospital, Seoul, Korea, Republic of, ²Internal Medicine, Hanyang University Medical Center, Seoul, Korea, Republic of, ³Internal Medicine, Cheju Halla General Hospital, Cheju, Korea, Republic of, ⁴Kidney Research Institute, Seoul National University Hospital, Seoul, Korea, Republic of

**C28** Alteration in Local Complement Activation in First 24h Post-Lung Transplantation (LTx) Helps Identify Recipients Developing Primary Graft Dysfunction
H. Kulkarni¹, M. Elvington², L. Ma¹, M. Cano¹, K. Pugh², R. Hachem¹, J. Atkinson², A. Gelman³, ¹Pulmonary and Critical Care Medicine, Washington University, Saint Louis, MO, ²Rheumatology, Washington University, Saint Louis, MO, ³Surgery, Washington University, Saint Louis, MO

**C29** Myeloid Derived Suppressor Cells (MDSC) Home to the Allograft and Can Control T Cell Responses
Y. S. Lee, T. Zhang, J. S. Bromberg, J. R. Scalea, University of Maryland, Baltimore, MD

**C30** Murine Cytomegalovirus Infection Down-Regulates Receptor Tyrosine Kinase MerTK on Macrophages to Abrogate Allograft Tolerance
S. Yu, A. Dangi, M. Burnette, X. Luo, Division of Nephrology, Department of Medicine, Duke Transplant Center, Duke University Medical Center, Durham, NC

**C31** The Potential Role of IL-33/ST2 Pathway in Renal Allograft Rejection
M. Yu¹, Y. Kim², J. Moon², S. Lee², H. Lee³, D. Kim², C. Lee³, Y. Kim², S. Yang², ¹Hanyang University Guri Hospital, Guri, Korea, Republic of, ²Seoul National University Hospital, Seoul, Korea, Republic of, ³Cheju Halla General Hospital, Jeju, Korea, Republic of

**C32** Inhibition of CXCR3 Expression through Blockade of STAT3 Alpha Signaling Down-Regulate Inflammation of Renal Ischemia-Reperfusion Injury
J. Kim¹, J. Park², K. Yoo², J. Moon¹, J. Jeong¹, C. Lee³, Y. Kim¹, S. Yang², ¹Seoul National University College of Medicine, Seoul, Korea, Republic of, ²Dongguk University College of Medicine, Gyeonggi-do, Korea, Republic of, ³Cheju Halla General Hospital, Cheju, Jeju-do, Korea, Republic of, ⁴Kidney Research Institute, Seoul National University, Seoul, Korea, Republic of

**C33** Hyperglycemia Aggravates Acute Liver Injury by Promoting Macrophage NLRP3 Activation via AMPK/mTOR-Dependent Autophagy Inhibition
H. ZHOU, Q. Wang, R. Liu, S. Zhou, F. Cheng, X. Wang, L. Lu, The First Affiliated Hospital of Nanjing Medical University, Nanjing, China

**C34** Deficiency of IRE1α Ameliorates Renal Allograft Injury via Remodeling of Graft-Infiltrating Macrophages
L. Qiu¹, J. Wang¹, X. Yeap¹, S. Han¹, F. Zheng¹, D. Fang², Z. J. Zhang¹, ¹Comprehensive Transplant Center, Department of Surgery, Northwestern University, Chicago, IL, ²Department of Pathology, Northwestern University, Chicago, IL
**C35** EBV Latent Proteins Encode for Peptides That Prevent Natural Killer Cell Inhibition  
B. Mbiribindi¹, J. K. Pena¹, O. Hatton², C. Romero Moreno¹, C. O. Esquivel¹, O. M. Martinez¹, S. M. Krams¹, ¹Department of Surgery/Division of Abdominal Transplant, Stanford University - School of Medicine, Stanford, CA, ²Department of Molecular Biology, Colorado College, Colorado Springs, CO

**C36** Blockade of C3aR1 Signaling Suppresses Alloreactive CD8+ T Cell Immunity and Prolongs Murine Cardiac Allograft Survival  
J. Horwitz, D. Mathern, P. Heeger, Icahn School of Medicine at Mount Sinai, NY, NY

**C37** Recipient TIM4 Expression is Essential for Hepatocellular Function in Liver Transplantation  

**C38** Peripheral Blood Chemokine Levels in Kidney Allograft Rejection  
E. Van Loon, D. Schols, S. Claes, M. Naesens, University Hospitals Leuven, Leuven, Belgium

**C39** CHOP Deficiency Attenuated Acute Liver Injury by Promoting Macrophage M2 Polarization via ATG5-Mediated Autophagy Activation  
H. Zhou, R. Liu, Q. Wang, C. Shi, F. Cheng, X. Wang, L. Lu, The First Affiliated Hospital of Nanjing Medical University, Nanjing, China

**C40** Initial Peritoneal sST2 Levels Are Associated with Peritoneal Failure and ST2 Blockade Mitigates TGF-β and High Glucose-Induced Peritoneal Fibrosis  
Y. Kim¹, S. Lee¹, M. Yu¹, H. Lee¹, Y. Kim¹, C. Lee², R. Cha³, S. Yang⁴, ¹Internal Medicine, Seoul National University Hospital, Seoul, Korea, Republic of, ²Internal Medicine, Cheju Halla General Hospital, Cheju, Korea, Republic of, ³Internal Medicine, National Medical Center, Seoul, Korea, Republic of, ⁴kidney Research Institute, Seoul National University Hospital, Seoul, Korea, Republic of

**C41** Interferon Sensitivity Promotes Recovery from Acetaminophen Induced Liver Injury  
S. Datta, T. Hamilton, G. C. Sen, Inflammation and Immunity, Cleveland Clinic Foundation, Cleveland, OH

**C42** Expansion of Myeloid Derived Suppressor Cells Following Alum Administration  
A. G. Cuenca, N. J. Feeney, K. Deng, C. G. Rickert, J. F. Markmann, Massachusetts General Hospital, Boston, MA

**C43** Endothelial Cells Do Not Regulate Expression of CD46, CD55 and CD59 in the Presence of Anti-HLA Class I and 11 Antibodies  
A. Babu¹, T. Pham², M. Hamdorf³, V. Jucaud³, M. Everly², S. Daga³, D. Mitchell⁴, ¹Transplant Institute, Henry Ford Hospitals, Detroit, MI, ²Terasaki Research Institute, Los Angeles, CA, ³University of Warwick, Coventry, United Kingdom, ⁴Medical Sciences, University of Warwick, Coventry, United Kingdom

**C44** Meet Your Mate: Lessons Gleaned from Analysis of 154 Paired Kidneys Transplanted at a Single Center  
M. Lubetzky¹, M. Aull², K. Rhee³, S. Sultan², S. Kapur⁴, ¹Division of Nephrology, New York, NY, ²Surgery, NYP-Weill Cornell, New York, NY
C45 The Clinical Outcomes of Kidney Transplant Recipients with Early Graft Failure: A Nationwide Study in South Korea
Y. Kim1, S. Kwon1, S. Park1, J. Moon1, J. Seon1, J. Kim1, M. Yu2, K. Han3, D. Kim1, Y. Kim1, H. Lee1, 1Internal Medicine, Seoul National University Hospital, Seoul, Korea, Republic of, 2Internal Medicine, Hanyang University Medical Center, Seoul, Korea, Republic of, 3Medical Statistics, Catholic University of Korea, Seoul, Korea, Republic of

C46 The Inverted Renal CD4/CD8 Ratio Associated with the Development of Transplant Glomerulopathy and Arteriosclerosis
B. H. Ozdemir1, F. N. Ozdemir2, A. Ok Atılgan1, E. Akcay1, M. Haberal3, 1Pathology, Baskent University, Ankara, Turkey, 2Nephrology, Baskent University, Ankara, Turkey, 3Transplantation, Baskent University, Ankara, Turkey

C47 Does Proton Pump Inhibitor Use Affect Renal Function in Kidney Transplant Recipients?
K. Schütte-Nütgen1, D. J. Flothow1, B. Suwelack1, R. Schmidt2, H. Pavenstädt1, S. Reuter1, 1Department of Internal Medicine D, University Hospital Münster, Münster, Germany, 2Institute of Biostatistics and Clinical Research, University Hospital Münster, Münster, Germany

C48 The Study on the DNA Methylation Dynamic Changes after Renal Transplantation
C. Zhu, H. Jiang, J. Chen, Nephrology, The First Affiliated Hospital of Zhejiang University, Hangzhou, China

C49 Characterization Of Microscopic Hematuria Following Renal Transplant
M. L. McDonald1, T. N. Duong2, N. Datta2, H. A. Gritsch3, S. Bunnapradist4, 1Department of Urology, Kidney and Pancreas Transplant Programs, UCLA, Los Angeles, CA, 2Division of Nephrology, Kidney and Pancreas Programs, UCLA, Los Angeles, CA

C50 FK506 Influence Glucose Metabolism by Short Chain Fatty Acid
W. Jiao1, Z. Zhang1, L. Liu2, X. Hu1, 1Urology, Capital Medical University Beijing Chaoyang Hospital, Beijing, China, 2GI Division, West China Hospital, Beijing, China

C51 Breakthrough Changes in the Access to Transplantation for the Patients with Atypical Hemolytic Uremic Syndrome in the Eculizumab Era

C52 Comparison of Oral Microbiome in Stable vs Declining Kidney Function in Renal Transplant Recipients
J. Wu1, A. Muthusamy2, G. Al-Ghalith3, B. Wu4, B. Guo5, W. Guan6, D. Knights3, W. Oetting3, D. Schladt3, R. Remmel6, P. Jacobson3, A. K. Sharma5, A. Matas7, A. Israni1, D. Skaar8, 1Nephrology, Hennepin Healthcare, Minneapolis, MN, 2Hennepin Health Research Institute, Minneapolis, MN, 3Computer Science, University of Minnesota, Minneapolis, MN, 4Biostatistics, University of Minnesota, Minneapolis, MN, 5Pharmacy, University of Minnesota, Minneapolis, MN, 6Animal Science, University of Minnesota, Minneapolis, MN, 7Surgery, University of Minnesota, Minneapolis, MN, 8Denistry, University of Minnesota, Minneapolis, MN

C53 Kidney Transplant Outcome between Identical Twins in USA from 2001-2017
D. R. Jorgensen, S. Hariharan, Starzl Transplant Institute, Univ of Pittsburgh Med Center, Pittsburgh, PA

C54 Postoperative Telemonitoring Following Kidney Transplantation: Effects on Early Hospital Readmissions and Graft Outcomes
N. Elfadawy, V. Humphreville, A. Padiyar, E. Sanchez, N. Sarabu, University hospitals of Cleveland, Cleveland, OH
C55  Association of Histological Findings in Renal Graft Biopsy with Non-Adherence to Immunosuppressive Treatment
B. D. Cardoso1, J. Montagner2, K. Pegas3, R. Kist4, J. Neumann5, H. S. Pinheiro6, V. D. Garcia4, E. Keitel1, 1Department of Nephrology and Kidney Transplantation/Post Graduation Program in Pathology, Irmandade Santa Casa de Misericórdia/Universidade Federal de Ciências da Saúde de Porto Alegre, Porto Alegre, Brazil, 2Transplant Immunology Laboratory, Irmandade Santa Casa de Misericórdia, Porto Alegre, Brazil, 3Department of Pathology, Irmandade Santa Casa de Misericórdia, Porto Alegre, Brazil, 4Hospital Ulm, Ulm, Germany, 2Medical School, Hannover, Germany, 1A. Schwarz1

C56  Clinical Features of IgA Nephropathy Recurrence after Kidney Transplantation
H. Higuchi1, K. Hotta2, H. Harada1, Y. Wada1, A. Mitsuke1, D. Iwami2, N. Shinohara2, 1Urology and Kidney transplant surgery, Sapporo General Hospital, Sapporo, Japan, 2Urology, Hokkaido University, Sapporo, Japan

C57  † Outcome of Renal Transplantation in Systemic Amyloidosis
S. Law1, L. Helen2, T. Resk2, A. Wechalekar3, J. Gillmore2, R. Motallebzadeh1, 1Renal Medicine, Royal Free Hospital, London, United Kingdom, 2UCL Division of Medicine, National Amyloidosis Centre, London, United Kingdom

C58  Pregnancy after Renal Transplantation
A. Schwarz1, F. Keller2, H. Haller1, 1Nephrology Department, Hannover Medical School, Hannover, Germany, 2Nephrology Department, University Hospital Ulm, Ulm, Germany

C59  Pregnancy Outcomes in Kidney Transplant Recipients
H. Shirakawa1, S. Wakah2, K. Unagami3, K. Omoto4, T. Shimi5, Y. Kakuta6, M. Okimi6, H. Ishida6, M. Ogawa4, K. Tanabe5, 1Urology, Ohkubo Hospital, Tokyo, Japan, 2Nephrology, Ohkubo Hospital, Tokyo, Japan, 3Nephrology, Tokyo Women’s Medical University, Tokyo, Japan, 4Urology, Toda Central General Hospital, Saitama, Japan, 5Urology, Tokyo Women’s Medical University, Tokyo, Japan, 6Obstetrics and Gynecology, Tokyo Women’s Medical University, Tokyo, Japan

C60  † Living Kidney Donor Time Zero Biopsy Findings Predict Graft Loss in the Recipient
N. Issa1, C. Lopez1, A. Denic1, J. J. Larson1, R. Narasimhan1, L. Archila1, S. S. Taler1, H. Chakkera2, J. Augustine3, M. Stegall2, A. Rule1, 1Nephrology, Mayo Clinic, Rochester, MN, 2Nephrology, Mayo Clinic, Phoenix, AZ, 3Nephrology, Cleveland Clinic, Cleveland, OH, 4Transplantation, Mayo Clinic, Rochester, MN

C61  Leukopenia in Older Kidney Transplant Recipients is Associated with Decreased Allograft Survival and Increased Patient Survival
R. Rodriguez, A. Price, K. Soliman, R. Vinaya, D. Lazarus, M. Casey, M. Labonte, L. Erbe, M. Shearer, D. Taber, M. Posadas Salas, Transplant Nephrology, Medical University of South Carolina, Charleston, SC

C62  Beneficial Association between Renin-Angiotensin-Aldosterone-System Blockade Usage and Graft Prognosis in Allograft Immunoglobulin A Nephropathy
S. Park1, C. Baek2, M. Yu3, Y. Kim1, J. Moon1, H. Go2, Y. Kim2, J. Lee4, S. Min1, J. Ha1, K. Moon1, Y. Kim1, C. Ahn1, S. Park2, H. Lee1, 1Seoul National University Hospital, Seoul, Korea, Republic of, 2Asan Medical Center, Seoul, Korea, Republic of, 3Hanyang University Hospital, Seoul, Korea, Republic of, 4Seoul National University Hospital, Boramae Medical Center, Seoul, Korea, Republic of
C63 Clinical Importance of the Updated Oxford Classification in Allograft IgA Nephropathy
S. Park¹, H. Go², C. Baek³, J. Jeong¹, Y. Kim¹, Y. Kim², J. Lee³, S. Min¹, J. Ha¹, E. Song¹, Y. Kim¹, S. Park², K. Moon¹, H. Lee¹, ¹Seoul National University Hospital, Seoul, Korea, Republic of, ²Asan Medical Center, Seoul, Korea, Republic of, ³Seoul National University Hospital, Boramae Medical Center, Seoul, Korea, Republic of

C64 Don’t Believe the Hype: Machine Learning-Based Prediction of Kidney Transplant Outcomes
S. Bae, D. Segev, Johns Hopkins University, Baltimore, MD

C65 Subtherapeutic Low Tacrolimus Trough Levels (≤3.5 Ng/ml) Are A Risk Factor For Acute Rejection And Creatinine Doubling.
J. Arreola Guerra¹, R. Reyes Acevedo², A. Chew Wong¹, F. Haro Alcalde¹, L. Zuñiga Macias¹, R. Delgadillo Castañeda¹, R. Villafañ³, ¹Internal Medicine and Nephrology, Centenario Hospital Miguel Hidalgo, Aguascalientes, Mexico, ²Transplantation, Centenario Hospital Miguel Hidalgo, Aguascalientes, Mexico, ³Universidad Autonoma de Aguascalientes, Aguascalientes, Mexico

C66 Contemporary Predictors and Impact on Survival of Early Readmission after Kidney Transplant: Analysis of the Nationwide Readmission Database
N. Elfadawy, N. Tashtish, S. Al-kind, D. Hricik, E. Sanchez, N. Sarabu, University hospitals of Cleveland, Cleveland, OH

C67 Prevalence of Recurrent and De Novo Glomerular Diseases after Renal Transplantation: A Single Center Experience
M. Ajaimy, O. Mohammed, E. Akalin, Montefiore-Einstein Transplant Center, Scarsdale, NY

C68 Mesangiopathic Glomerulonephritis in Kidney Transplants
G. Towns, G. Agarwal, S. Ong, R. Mundra, C. Kew, UAB, Birmingham, AL

C69 Low Incidence of Acute Renal Failure with Minimal Prophylaxis after Iodinated-Contrast TC in Ambulatory Renal Transplant Patients
C. Jimenez¹, S. Afonso¹, M. O. Lopez¹, M. E. Gonzalez¹, M. J. Santana¹, A. Santiago², M. A. Vaca¹, M. Ferreira¹, R. Selgas¹, ¹Nephrology, Hospital Universitario La Paz, Madrid, Spain, ²Radiology, Hospital Universitario La Paz, Madrid, Spain

C70 Association Of Clinical Characteristics With Rate Of Kidney Transplant Function Decline In The 2 Years Prior To Allograft Loss
L. A. Binari, P. E. Thorne, J. L. Morse, T. G. Stewart, R. C. Forbes, K. Rabb, L. Lipworth, K. Abdel-Kader, B. P. Concepcion, Vanderbilt University Medical Center, Nashville, TN

C71 Calcineurin Inhibitors and Long-Term Outcomes of Kidney Transplantation from Thai Transplant Registry
S. Udomkarnjananun, N. Townamchai, Y. Avihingsanon, K. Praditpornsilpa, Chulalongkorn University, Bangkok, Thailand

C72 Development of a Novel Linear Model for Predicting Recipient’s Post-Transplant Serum Creatinine Level after Living Donor Kidney Transplantation: A Multicenter Cross-Validation Study
S. Kim, S. Kim, J. Rhu, Y. Chung, S. Lee, K. Lee, J. Kim, G. Choi, J. Park, S. Lee, J. Joh, Transplantation, Samsung Medical Center, Seoul, Korea, Republic of

C73 Tibetans and Hans Have Comparable Transplant Outcomes- A Propensity Score Matched Cohort Analysis
T. Lin, Y. Jiang, T. Song, Y. Fan, Organ transplantation center, Urology department, Urology research institute, WestChina Hospital, Sichuan University, Chengdu, China
C74 Changes in Body Mass Index and Outcomes after Kidney Transplantation: A Single Centre, Retrospective, Observational Study
A. Arshad, J. Hodson, K. Khalili, A. Sharifi, 1University of Birmingham, Birmingham, United Kingdom, 2Queen Elizabeth Hospital, Edgbaston, Birmingham, UK, Institute of Translational Medicine, Birmingham, United Kingdom, 3Queen Elizabeth Hospital Birmingham, UK, Department of Nephrology and Transplantation, Birmingham, United Kingdom

C75 Clinical Outcomes and Risk Factors for Delayed or Slow Graft Function in an Adult, Urban Renal Transplant Population
K. Tejani, Z. Hajjiri, E. Benedetti, L. Guo, O. Viñas, M. Blasco, Hangzhou, China, Affiliated Hospital of Zhejiang University, University, Hangzhou, China, Center, First Affiliated Hospital of Zhejiang University, Tian, Capital Medical University, Beijing Friendship Hospital, Beijing, China

C76 The Safety Of Adjuvant Chemotherapy In Kidney Transplant Patients With Urothelial Carcinoma
Z. Wang, J. Xiao, Y. Zhu, J. Lin, Y. Guo, Y. Tian, Capital Medical University, Beijing Friendship Hospital, Beijing, China

C77 Development of a Recurrence Risk Score in IgA Nephropathy after Kidney Transplantation: Role of Recipient Age and HLA-B Mismatch
L. M. Rodas Marin, E. Ruiz, A. García, M. Blasco, P. Ventura, E. de Soussa, O. Viñas, F. Diekmann, L. Quintana, 1Nephrology and Renal Transplantation, Hospital Clinic, Barcelona, Spain, 2Immunology, Hospital Clinic, Barcelona, Spain, 3Pathology, Hospital Clinic, Barcelona, Spain, 4Immunology, Hospital Clinic, Barcelona, Spain

C78 Differential Diagnosis of Membranous Nephropathy Occurs after Bone Marrow Transplantation and Renal Transplantation
L. Guo, H. Wang, Y. Tan, J. Shen, R. Wang, J. Wu, J. Chen, 1Kidney Disease Center, First Affiliated Hospital of Zhejiang University, Hangzhou, China, 2First Affiliated Hospital of Zhejiang University, Hangzhou, China

C79 Anti-HLA Antibodies Are Associated with Deterioration in Long-Term Renal Function Independently of Donor Specificity
T. Mueller, P. Cippà, R. van Breemen, S. von Moos, 1Universitätsklinik Zürich, Zurich, Switzerland, 2Ospedale Regionale di Lugano Civico, Lugano, Switzerland

C80 Risk Factors for Sensitization in the Failing Allograft: A Multi-Center Experience
M. Lubetzky, O. Mohammed, N. Hauser, R. Friedlander, V. Sharma, A. Colovai, T. Muthukumar, J. Lee, E. Akalin, D. Dadhana, 1Division of Nephrology, Weil Cornell, New York, NY, 2Division of Nephrology, Montefiore Medical Center, New York, NY

C81 Clinicopathologic Assessment of Monoclonal Immunoglobulin (Ig) Associated Renal Disease in the Kidney Allograft
J. Kamal, R. J. Crew, X. Ye, J. Swanson, G. Appel, G. Markowitz, V. D'Agati, I. Batal, 1Nephrology, Columbia University Medical Center, New York, NY, 2Nephrology, Hartford Hospital, Hartford, CT, 3Surgery, Christiana Hospital, Newark, DE, 4Pathology, Columbia University Medical Center, New York, NY

C82 Effects of Co-Morbidities on Kidney Transplantation Outcome in South Korea: A Nationwide-Population Based Study
M. Yu, S. Park, J. Moon, J. Jeong, J. Kim, Y. Kim, K. Han, Y. Kim, H. Lee, 1Hanyang University Guri Hospital, Guri, Korea, Republic of, 2Seoul National University Hospital, Seoul, Korea, Republic of, 3College of Medicine, Catholic University, Seoul, Korea, Republic of

C83 Pregnancy in Renal Transplant Recipients A Single Center Retrospective Study
O. PISCORAN, K. Bhatia, T. Augustine, S. Kopargaonkar, J. Gillham, 1Renal Transplantation, Manchester Foundation Trust, MRI, Manchester, United Kingdom, 2Manchester Foundation Trust, MRI, Manchester, United Kingdom
**C84** The Interaction between Post-Transplant Anemia and Allograft Function in Kidney Transplantation

Y. Kakuta1, M. Okumi1, T. Kanzawa1, K. Unagami2, H. Ishida2, K. Tanabe1, 1Urology, Tokyo Women’s Medical University, Tokyo, Japan, 2Organ Transplant Medicine, Tokyo Women’s Medical University, Tokyo, Japan

**C85 †** Interstitial CD68+ Cells Infiltration and Kidney Graft Outcome

E. Paoletti1, E. Bussalino2, L. Marsano1, D. Bellino1, R. Russo1, A. Parodi1, G. Garibotto2, J. L. Ravetti2, 1Nephrology, Dialysis, and Transplantation, Policlinico San Martino Genova, Genova, Italy, 2Nephrology, Dialysis, and Transplantation, University of Genoa, Genova, Italy

**C86 †** The Association of Estimated Glomerular Filtration Rate at One Year Post-Kidney Transplant with Graft Loss is Not Modified by Delayed Graft Function

J. Gill, M. Kadatz, J. Gill, University of British Columbia, Vancouver, BC, Canada

**C87 †** Impact of Delayed Graft Function on Allograft Survival in DCD versus DBD Kidneys

T. Ishaque, A. B. Massie, J. Ruck, C. Holscher, J. G. Wang, D. L. Segev, Surgery, Johns Hopkins School of Medicine, Baltimore, MD

**C88** Frailty and Causes of Morbidity and Mortality in Kidney Transplant Recipients

L. Greco, S. Kaur, K. Lau, A. Fagenson, A. Di Carlo, S. Karhadkar, Surgery, Temple University Hospital, Philadelphia, PA

**C89** A National Cohort Validation of Graft Outcomes of Elderly Kidney Transplant Recipients

I. Bajjoka, A. Yaldo, C. Crombez, M. Abouljoud, Henry Ford Transplant Institute, Detroit, MI

**C90** Recipient and Donor Factors at the Time of Transplant as Predictors of Graft Outcomes

K. Soliman1, V. Rohan2, S. Zemin1, A. Price1, A. P. Salas1, D. Lazarus1, M. Casey1, D. J. Taber2, V. Rao3, 1Medicine, Medical University of South Carolina, Charleston, SC, 2Surgery, Medical University of South Carolina, Charleston, SC, 3Medicine and Surgery, Medical University of South Carolina, Charleston, SC

**C91** The Role of Recipient Weight in Renal Transplantation Revisited; Not Quite the Obesity Paradox

A. Asderakis, R. Tahawar, T. Sabah, U. Khalid, M. Stephens, Cardiff Transplant Unit, University Hospital of Wales, Cardiff, United Kingdom

**C92 †** Impact of Acute Kidney Injury in Elderly Deceased Donor on the Post-Transplant Clinical Outcomes

J. Kim1, J. Lee2, Y. Kim3, K. Jin4, S. Han4, Y. Hong1, Y. Chang1, S. Kim1, H. Yoon4, C. Yang1, W. Park1, B. Chung3, 1Internal Medicine, Daejeon St. Mary’s Hospital, Daejeon, Korea, Republic of, 2Internal Medicine, Seoul St. Mary’s Hospital, Seoul, Korea, Republic of, 3Internal Medicine, Uijeongbu St. Mary’s Hospital, Uijeongbu, Korea, Republic of, 4Internal Medicine, Keimyung University Dongsan Medical Center, Daegu, Korea, Republic of, 5Internal Medicine, Incheon St. Mary’s Hospital, Incheon, Korea, Republic of

**Poster Session C: Tissue Engineering & Technology**

**C93 †** Systematic Testing and Specificity Mapping of Alloantigen-Specific Chimeric Antigen Receptors in T Regulatory Cells


**C94** Regeneration of Kidney with a Novel Biomimetic Vascular Scaffold

S. Min1, H. Mo1, A. Han1, J. Ha1, J. Yoo2, 1Seoul National University Hospital, Seoul 110-744, Korea, Republic of, 2Wake Forest Institute for Regenerative Medicine, Winston-Salem, NC
C95 Modeling Patients as Dynamical Systems: Evaluating the Efficiency of Kidney Transplantation through Multi-Stage Data Envelopment Analysis
F. J. Santos Arteaga1, D. Di Caprio2, D. Cucchiari2, J. M. Campistol3, F. Oppenheimer3, F. Diekmann3, I. Revuelta3, 1Faculty of Economics and Management, Free University of Bolzano, Bolzano, Italy, 2Department of Mathematics and Statistics, York University, Toronto, ON, Canada, 3Department of Nephrology and Kidney Transplant, Hospital Clinic, Barcelona, Spain

C96 Towards 3D-Bioprinting of Bionic Pancreas: Effect of Pressure on the Viability of Pancreatic Islets

C97 Scaffold-Free 3D-Bioprinting of Human Extrahepatic Bile Duct
K. Saglam1, W. Zhang1, L. J. Smith2, A. Isidan1, A. M. Chen2, R. A. Naqvi1, E. Gramelspacher1, P. Li1, B. Eksr1, 1Transplant Division, Department of Surgery, Indiana University, Indianapolis, IN, 23D-Bioprinting Core, Indiana University School of Medicine, Indianapolis, IN

C98 Lymphotixin Beta Receptor Determines Lymph Node Structure for Treg Migration and Suppression of Graft Rejection
V. Saxena, W. Piao, L. Li, C. M. Paluskievicz, Y. Xiong, T. Simon, J. S. Bromberg, U Maryland, Baltimore, MD

C99 Balance between Low DNA Concentration and Structural Damage of Extracellular Matrix during Recellularization Procedure as a Key to Successful Recellularization
A. Berman, A. Adamiok, G. Tynicki, L. Kaczynski, M. Gomolka, M. Klak, M. Wszola, Foundation of Research and Science Development, Warsaw, Poland

C100 Comparison of Planned vs. Unplanned Pregnancies in Female Kidney Transplant Recipients
S. Rao1, L. A. Coscia2, D. Kliniewski2, S. Constantinescu3, M. J. Moritz4, 1Medicine, University of Virginia Health System, Charlottesville, VA, 2Gift of Life Institute, Transplant Pregnancy Registry International, Philadelphia, PA, 3Medicine, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, 4Surgery, Lehigh Valley Health Network, Allentown, PA

C101 Quantifying Opioid Use after Renal Transplantation
B. C. Noell, J. R. Brown, K. T. Cooper, A. M. Wagner, A. Kupsco, V. Casingal, Transplant Center, Carolinas Medical Center, Charlotte, NC

C102 Better Health-Related Quality of Life in Kidney Transplant Patients over Time Compared with Those in Chronic Kidney Disease Patients at Similar Renal Function
J. Ryu1, T. Koo1, K. Oh2, C. Ahn3, J. Yang1, 1Organ transplant center, Seoul National University Hospital, Seoul, Korea, Republic of, 2Department of Internal Medicine, Seoul National University Hospital, Seoul, Korea, Republic of, 3Organ Transplant Center; Department of Internal Medicine, Seoul National University Hospital, Seoul, Korea, Republic of

C103 Assessment of Health-Related Quality of Life and Graft Failure among Kidney Transplant Patients in the Benefit and Benefit-EXT Trials
I. Purnajo1, J. L. Beaumont1, M. Polinsky2, E. Alemao2, M. J. Everly1, 1Terasaki Research Institute, Los Angeles, CA, 2Bristol Myers Squibb, Princeton, NJ

C104 simplifyKDPI: An Animated Video to Educate Kidney Transplant Candidates about the Kidney Donor Profile Index
K. Bonner, R. Seibert, L. Kayler, SUNY Buffalo/ECMC, Buffalo, NY
C105 Social Determinants of Quality of Life in Patients Evaluated for Kidney Transplant
H. Wesselman¹, S. Wang², C. J. Chang², J. R. Pleis³, K. Kendall², E. Croswell², M. Dew², M. L. Unruh¹, R. Shapiro¹, L. Myaskovsky⁴, ¹University of Notre Dame, Notre Dame, IN, ²University of Pittsburgh, Pittsburgh, PA, ³US Centers for Disease Control and Prevention, Hyattsville, MD, ⁴Department of Internal Medicine, University of New Mexico, School of Medicine, Albuquerque, NM, ⁵Icahn School of Medicine, New York, NY

C106 Natural Evolution Of Tacrolimus Intra-patient Variability Among Renal Transplant Recipients

C107 Return to Work after Sick Leave in Kidney Transplant Recipients: A 365-Day Cohort of the Japan Academic Consortium of Kidney Transplantation (JACK) Study
K. Miyake¹, M. Okumi¹, K. Unagami², Y. Kakuta¹, M. Furusawa¹, K. Omoto³, T. Shimizu³, M. Endo³, H. Ishida², K. Tanabe¹, ¹Urology, Tokyo Women’s Medical University, Sinjuku, Japan, ²Organ Transplant Medicine, Tokyo Women’s Medical University, Sinjuku, Japan, ³Urology, Toda Chuo General Hospital, Saitama, Japan, ⁴Public Health, Juntendo University, Bunkyo, Japan

C108 † A Retrospective Matched Case-Control Study of Medical and Psychiatric Outcomes in Kidney Transplant Recipients with Bipolar Disorder
A. Goswami Banerjee¹, S. Hame³, R. Weinrib¹, S. Dave¹, V. Johnson³, D. Sawinski³, J. Trofe-Clark³, ¹Psychiatry, Univ. of Pennsylvania, Philadelphia, PA, ²Vanderbilt Univ. Medical Center, Nashville, TN, ³Pharmacy, Hospital of the Univ. of Pennsylvania, Philadelphia, PA, ⁴Renal, Univ. of Pennsylvania, Philadelphia, PA

C109 Early Post-transplant Weight Gain in Inner-city Kidney Transplant Recipients (ktrs) Does Not Remit And Is Associated With Poor Food Quality, Stress And Anxiety.
A. Myrie, J. Leong, J. Fazli, Y. Akivis, C. Wilson, M. Markell, SUNY Downstate Medical Center, Brooklyn, NY

C110 Exploration of the Stanford Integrated Psychosocial Assessment for Transplant with Psychosocial and Medical Outcomes in Kidney/Kidney-Pancreas Transplant Recipients
G. Chen¹, C. Bell², P. Loughhead¹, B. Ibeche², J. S. Bynon², D. R. Hall², A. M. De Golovine², A. Edwards², W. A. Dar², ¹Memorial Hermann Hospital, Houston, TX, ²The University of Texas Health Science Center at Houston McGovern Medical School, Houston, TX

C111 Clinical Utility of the Edmonton Symptom Assessment System to Screen for Depression and Anxiety in Kidney Transplant Recipients
E. Tang, S. Dano, A. Ayub, V. Li, L. Escudero, N. Ullah, N. Edwards, M. Novak, I. Mucsi, University Health Network, Toronto, ON, Canada

C112 Acceptability of Animated Video Medium to Educate Kidney Transplant Patients
K. Bonner, M. Cobler-Lichter, N. Crenesse-Cozien, L. Lewis, T. Feeley, L. Kayler, University at Buffalo, Buffalo, NY

C113 Identification of Relevant Renal Transplant Patient Reported Symptoms That Could Be Used for New Patient Reported Outcome Development
I. Purnaog¹, J. Beaumont¹, M. Polinsky², E. Alemao², M. J. Everly¹, ¹Terasaki Research Institute, Los Angeles, CA, ²Bristol Myers Squibb, Princeton, NJ

C114 Nutritional Literacy and Diet Quality in a Cohort of Inner-City Kidney Transplant Recipients (KTRs)
S. Leventer, G. Yang, J. Leong, K. Lembrikova, C. Wilson, M. Markell, Nephrology/Medicine, SUNY Downstate Medical Center, Brooklyn, NY
**Poster Session C**
**Monday, June 3**

**C115 Engaging Friends and Family in the Care of the Kidney Transplant Candidate: Identifying Needs and Barriers**
A. Hart¹, M. Bruins², M. Partin³, A. Matas², A. Israni¹, ¹Medicine, Hennepin Healthcare, University of Minnesota, Minneapolis, MN, ²Design, University of Minnesota, Minneapolis, MN, ³Medicine, Minneapolis VA, University of Minnesota, Minneapolis, MN, ⁴Surgery, University of Minnesota, Minneapolis, MN

**C116 Attitude towards Organ Donation among Medical Students: Relationship to Knowledge and Beliefs**
A. Cerrato, M. Salifu, M. Markell, Nephrology/Medicine, SUNY Downstate Medical Center, Brooklyn, NY

**C117 Renal Transplantation and Sleep: What do Patients Distress for?**
L. Long, J. Liu, J. Xie, J. Yan, The Third Xiangya hospital of Central South University, ChangSha, China

**C118 Health Utility And Social Distress In Kidney Transplant (KT) Recipients**
S. Macanovic¹, D. Li¹, B. Liao¹, I. Escudero¹, V. Shah², A. Nagee³, A. Che², R. Khairalla², M. Novak³, L. Mucsi¹, ¹Division of Nephrology and Multi-Organ Transplant Program, University Health Network, Toronto, ON, Canada, ²University of Western Ontario, London, ON, Canada, ³Centre for Mental Health, University Health Network, Toronto, ON, Canada

**C119 Self-reported Marijuana Use In Kidney Transplant Candidates And Its Association With Access To Transplantation**
S. Rodriguez Ramirez, E. Tang, O. Famure, A. Bansal, J. Kim, I. Mucsi, Kidney Transplant, Toronto General Hospital, Toronto, ON, Canada

**C120 Lower Stanford Integrated Psychosocial Assessment (SiPAT) for Transplantation Score is Predictive of Successful Listing for Kidney Transplant Candidates**
A. Kumar¹, J. Salaway², M. Dorris², J. Newman³, A. Doyle¹, S. Rao¹, ¹Nephrology, University of Virginia, Charlottesville, VA, ²Transplant, University of Virginia, Charlottesville, VA, ³University of Virginia, Charlottesville, VA

**C121 Pre-Kidney Transplant Patient Education: Information Retention is Associated with Improved Waitlist Outcomes**
S. Patel, J. Ptasinski-Anderson, G. Dela Torre, S. Akkina, Transplant Nephrology, Loyola University Medical Center, Maywood, IL

**C122 Pre Transplant Intact FGF 23 Modifies Post-Transplant Improvement in Cognition**
J. A. Klein¹, A. Jurgensen¹, J. Stubbs¹, P. Rowe¹, D. Cibrik², W. Brooks², J. Burns³, Z. Lauer³, A. Gupta¹, ¹Nephrology, University of Kansas Medical Center, Kansas City, KS, ²KU Alzheimer’s Disease Center, University of Kansas Medical Center, Kansas City, KS, ³Alzheimer’s Disease Center, University of Kansas Medical Center, Kansas City, KS, ⁴Internal Medicine, University of Kansas Medical Center, Kansas City, KS

**C123 Impact of Clinical Trial Enrollment on Renal Transplant Outcomes**
T. Shertel, A. Eisenhart, Saint Barnabas Medical Center, Livingston, NJ

**C124 Capturing Stories about Living Kidney Donation Using Storytelling Capture Technology: A Feasibility Assessment**
A. D. Waterman¹, C. S. Anderson¹, O. N. Ranasinghe¹, Y. Cui², S. Brecher¹, W. Balliet³, ¹Division of Nephrology, UCLA School of Medicine, Los Angeles, CA, ²Terasaki Research Institute, Los Angeles, CA, ³Division of Bio-behavioral Medicine, Medical University of South Carolina, Charleston, SC
C125 Kidney Transplant Education outside the Transplant Center - Initial Experience with an On-Line Transplant Education Hub
D. Belenko1, C. Richardson1, A. Li1, N. Edwards1, J. Lam1, A. D. Waterman2, A. Garg3, M. Novak4, I. Mucci5, 1Division of Nephrology and Multi-Organ Transplant Program, Toronto, ON, Canada, 2Division of Nephrology, University of California, Los Angeles, CA, 3Division of Nephrology, Western University, London, ON, Canada, 4Centre for Mental Health, University Health Network, Toronto, ON, Canada

C126 Is Narrative Storytelling Ethical to Use to Educate the Public about Living Donation? Transplant Professionals Weigh In
W. Balliet1, L. Holland-Carter1, S. N. Maurer1, M. P. Salas1, C. S. Anderson2, O. N. Ranasinghe2, A. D. Waterman2, 1Division of Bio-behavioral Medicine, Medical University of South Carolina, Charleston, SC, 2Division of Nephrology, UCLA School of Medicine, Los Angeles, CA

C127 Impact of Transplant Ureteral Stricture Location and Type of Ureteral Revision on Long-Term Graft Survival and Patient Outcomes in Kidney Transplantation
C. Shepherd1, R. Cameron2, C. Holbrooks2, A. Lin3, S. Nadig3, J. McGillicuddy2, D. Dubay2, D. Taber3, P. Baliga3, V. Rohan3, 1Urology, Medical University of South Carolina, Charleston, SC, 2College of Medicine, Medical University of South Carolina, Charleston, SC, 3Transplant Surgery, Medical University of South Carolina, Charleston, SC

C128 Efficacious Home Processing of Urine for Messenger RNA Profiling: A Point-of-Care Approach for Molecular Monitoring of Kidney Transplant Recipients
C. Snopkowski1, C. Li1, S. Albakry1, B. Botticelli2, M. Cassidy1, J. Lee1, M. Lubetzky1, D. Dadhani1, H. Yang1, R. Ding1, T. Muthukumar1, M. Suthanthiran2, 1WCM, NYC, NY, 2WCM, New York, NY

C129 Identification of Rare Genetic Disorders in Kidney Transplantation Recipients with Un-Diagnosed Nephropathy through NGS Approach
G. Castellano, M. Giliberti, P. Pontrelli, M. Gigante, S. Diella, M. Accetturo, E. Stea, A. Mitrotti, L. Gesualdo, Emergency and Organ Transplantation, University of Bari, Bari, Italy

C130 The Impact of Reduction of Warm Ischemia on DCD Kidney Transplantation Outcomes
S. Aguil1, D. Wonjoon1, M. Levine1, R. Al Ogail1, A. Sener1, P. Luke, Department of Surgery, Multi Organ Transplant Program, Western University Hospital, LHSC, London, ON, Canada

C131 Preoperative Simulation and Rehearsal of Robotic Living Donor Nephrectomy Using Patient Specific 3D Printed Hydrogel Models
R. Kashyap1, G. Wu2, R. Melnyk2, E. Coppola2, S. Farooq2, T. Holler2, M. Thompson2, M. Dokus1, J. Taylor1, R. Hernandez1, J. Joseph2, A. Ghazi2, 1Transplant Surgery, University of Rochester Medical Center, Rochester, NY, 2Urology, University of Rochester Medical Center, Rochester, NY, 3Intuitive Surgical, Sunnyvale, CA, 4Nephrology, University of Rochester Medical Center, Rochester, NY

C132 Interpretable Post-Transplant Graft Failure Prediction Using Decision Tree Neural Networks
J. N. Valdez1, T. Fu1, J. Hogan2, S. Adhikary1, M. Arenson2, R. Zhang2, X. Zhang3, K. Li2, A. B. Adams2, R. E. Patzer2, J. Sun1, 1Georgia Institute of Technology, Atlanta, GA, 2Emory University, Atlanta, GA, 3University of Michigan, Ann Arbor, MI

C133 Body Mass Index Alone Should Not Be Used to Exclude Potential Kidney Transplant Recipients
D. Harriman, V. Gurram, A. Farney, G. Orlando, A. Reeves-Daniel, A. Mena-Gutierrez, C. Jay, R. Stratta, J. Rogers, Wake Forest Baptist Medical Center, Winston-Salem, NC
C134 Primary Uretero-Ureterostomy In Organ Transplants

C135 Diagnostic Efficacy of Color Doppler Ultrasound on Recipients with Transplanted Renal Artery Stenosis: A Single Center Experience
Y. Yang, Z. Wang, S. Fei, H. Chen, L. Sun, Z. Han, J. Tao, X. Ju, R. Tao, M. Gu, No.300 Guangzhou Road of Nanjing, Nanjing, China

C136 Successful Repair of Kidney Graft Artery Rupture Secondary to Infection Using a Preprocessed Homologous ‘Y’-Shaped Iliac Artery
G. Liu, X. Wang, J. Wu, W. Peng, R. Wang, H. Huang, J. Chen, Kidney Disease Center, First Affiliated Hospital of Zhejiang University, Hangzhou, China

C137 Quantitative Measuring of Iliac Artery Calcification in Renal Transplantation
C. Choi1, A. Han2, S. Ahn1, S. Min2, J. Ha2, 1Transplantation and vascular surgery, Chungnam National University Hospital, Daejeon, Korea, Republic of, 2Transplantation and vascular surgery, Seoul National University Hospital, Seoul, Korea, Republic of

C138 The Effects Of Simultaneously Training Additional Surgeons In The Living Donor Robotic Assisted Kidney Transplant
J. D. Stracke, M. Safwan, L. Malinzak, A. Yoshida, Henry Ford Hospital, Detroit, MI

C139 Impact of Ureteral Stent on Urinary Tract Complications after Deceased Donor Renal Transplantation
L. Zheng, H. Jia, H. Chen, J. Wu, Kidney disease center, The First Affiliated Hospital, College Of Medicine, Zhejiang University, Hangzhou, China

C140 Prediction of Renal Allograft Chronic Rejection Using a Model Based on Contrast Enhanced Ultrasonography
C. Yang1, T. Zhu1, W. He2, 1Department of Urology, Zhongshan Hospital, Fudan University, Shanghai, China, 2Department of Ultrasound, Zhongshan Hospital, Fudan University, Shanghai, China

C141 Kidney Grafts Ultrasound Guided Biopsy Performed By Nephrologist. Regaining Technique And Improving Results
J. Jueqa, M. Perez, L. Cañas, J. Soler, M. Troya, I. Bancu, R. Lauzurica, Nephrology, Germans Trias i Pujol Hospital, Badalona, Barcelona, Spain

C142 Simultaneous Recipient Iliac Endarterectomy and Renal Transplantation: A Propensity Score Matched Study
O. Okoye, M. Spaggiari, J. Almario, V. Qiao, K. Tulla, P. Di Cocco, E. Benedetti, I. Tzvetanov, General surgery, University of Illinois at Chicago, Chicago, IL

C143 Analysis of Lactic Acid Response in Renal Transplant Patients
A. A. Henderson1, H. Ahmed2, M. R. Wakefield1, 1Surgery/Urology, University of Missouri School of Medicine, Columbia, MO, 2University of Missouri School of Medicine, Columbia, MO

C144 Near-Infrared Fluorescence Imaging with ZW800-1 Dye to Assess Donor Kidneys While on Ex-Vivo Normothermic Machine Perfusion
A. S. Arykbaeva1, K. M. Rozenberg2, M. L. Lo Faro2, J. Hunter2, J. B. Doppenberg1, A. R. Valentijn3, A. G. Terwisscha van Schellinga3, H. Putter4, I. P. Alwayn1, J. V. Frangioni5, J. Burggraaf6, A. L. Vahrmeijer1, R. J. Ploeg2, V. A. Huurman1, 1Department of Surgery, Leiden University Medical Center, Leiden, Netherlands, 2Nuffield Department of Surgical Sciences, Oxford, United Kingdom, 3Department of Clinical Pharmacy and Toxicology, Leiden University Medical Center, Leiden, Netherlands, 4Department of Biomedical Data Sciences, Leiden University Medical Center, Leiden, Netherlands, 5Curadel, LCC, Marlborough, MA, 6Centre for Human Drug Research, Leiden, Netherlands
C145 Arteriovenous Fistula Ligation In Stable Renal Transplant Patients Does Not Adversely Influence Graft Function
A. Han, S. Ahn, S. Min, S. Min, S. Kim, J. Ha, Department of Surgery, Seoul National University College of Medicine, Seoul, Korea, Republic of

C146 Retroperitoneoscopic Native Nephrectomy in Renal Transplant Recipients with Autosomal Dominant Polycystic Kidney Disease
K. Hotta1, D. Iwami2, J. Furumido2, K. Morita3, T. Tanabe4, T. Mochizuki4, H. Higuchi2, N. Iwahara2, T. Abe2, K. Kanagawa4, N. Shinohara2, 1Hokkaido University Hospital, Sapporo, Japan, 2Urology, Hokkaido University Hospital, Sapporo, Japan, 3Urology, Kushiro City General Hospital, Kushiro, Japan, 4Urology, Asahikawa City General Hospital, Asahikawa, Japan

C147 Novel Cooling Device for Kidney Transplant Surgery
A. Dergham1, L. Witherspoon2, T. A. Skinner2, 1Department of Medicine, Faculty of Health Sciences, Queen’s University, Kingston, ON, Canada, 2Division of Urology, Department of Surgery, The Ottawa Hospital and University of Ottawa, Ottawa, ON, Canada

Poster Session C: Kidney: Acute Cellular Rejection

C148 † Borderline Changes in Kidney Allografts Represents a Non-Homogenous Cohort with Different Outcome
P. Hruba1, J. Maluskova1, Z. Krejciík2, M. Merkerova-Dostalova1, V. Stranecky1, J. Klema4, K. Osickova1, M. Wohlfahrtova1, E. Honsova1, O. Viklicky1, 1Institute for Clinical and Experimental Medicine, Prague, Czech Republic, 2Institute of Hematology and Blood Transfusion, Prague, Czech Republic, 3Institute of Inherited Metabolic Disorders, Prague, Czech Republic, 4Czech Technical University, Prague, Czech Republic

C149 † Perioperative Blood Transfusion and Risk for Post-Transplant Sensitization and Rejection
A. Chung1, M. Kleman1, T. Pesavento1, M. Abdel-Rasoul2, R. Daloul1, 1Internal Medicine, Division of Nephrology, The Ohio State University, Columbus, OH, 2Center for Biostatistics and Bioinformatics, The Ohio State University, Columbus, OH

C150 † Microcirculation Inflammation with TCMR is Associated with Poor Graft Outcomes in Kidney Transplant Recipients (KTRs) without ABMR
A. Cherukuri, S. Tandukar, S. Hariharan, R. Mehta, UPMC, Pittsburgh, PA

C151 The Molecular Pathology of Immune Checkpoint Inhibitor-Associated Renal Allograft Rejection: Overlap with Acute Interstitial Nephritis
B. Adam1, C. Boils2, L. Bu3, K. Renaudin4, K. Wen1, M. Mengel1, 1University of Alberta, Edmonton, AB, Canada, 2Arkana Labs, Little Rock, AR, 3University of Minnesota, Minneapolis, MN, 4CHU Nantes, Nantes, France

C152 Subclinical Rejection is Common on Surveillance Biopsies in Children with Kidney Transplant
S. Gattis1, R. Liverman1, A. Serluco1, J. Yin1, J. Hogan2, S. Jernigan2, R. George3, P. D. Winterberg2, R. Garro2, 1Children’s Healthcare of Atlanta, Atlanta, GA, 2Department of Pediatrics, Emory University School of Medicine, Atlanta, GA

C153 Periphery Blood ddcfDNA Can Significantly Differentiate Acute Humoral Rejection from Banff’s Type I Acute Rejection in Kidney Transplantation
R. Wang1, T. Jiang2, J. Shen1, J. Ge2, W. Lei1, X. Yang1, H. Deng1, W. Kong1, J. Zhou1, 1Kidney Disease Center, First Affiliated Hospital of Zhejiang University, Hangzhou, China, 2Organ diagnosis company, Suzhou, China, 3Organ Diagnosis Company, Suzhou, China
C154 Role of Molecular Microscope in the Interpretation of Endarteritis and Acute Thrombotic Microangiopathy
M. Ciszek¹, A. Perkowska-Ptasinska¹, D. Deborska-Materkowska¹, A. Debska-Slizien², P. F. Halloran³, M. Myslak⁴,
¹Warsaw Medical University, Warsaw, Poland, ²Gdansk Medical University, Gdansk, Poland, ³ATAGC, University of Alberta, Edmonton AB, AB, Canada, ⁴Pomeranian Medical University, Szczecin, Poland

C158 In Depth Look at Acute Rejections in LCP-Tacrolimus (LCPT; Envarsus XR) and Immediate-Release Tacrolimus (IR-Tac)-Treated De Novo Kidney Transplant Recipients
A. Condon¹, M. Mujtaba², S. J. Patel³, D. R. Stevens³, U. Meier-Kriesche³,
¹University of New Mexico Hospitals, Albuquerque, NM, ²University of Texas Medical Branch, Galveston, TX, ³Veloxis Pharmaceuticals Inc., Cary, NC

C155 Urinary Microtubule-Associated Protein Light Chain3 and Neutrophil Gelatinase-Associated Lipocalin, as Potential Noninvasive Biomarkers for Subclinical Rejection at 3 Months after Kidney Transplantation
S. Tajima¹, R. Fu², M. Fukuda², K. Suetsugu³, Y. Okabe³, S. Masuda¹,
¹Pharmacy, Kyushu University Hospital, Fukuoka, Japan, ²Clinical Pharmacology and Biopharmaceutics, Graduate School of Pharmaceutical Sciences, Kyushu University, Fukuoka, Japan, ³Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan

C159 Utility of a Novel dd-cfDNA Test to Detect Injury in Renal Post-Transplant Patients
J. Peabody¹, P. Billings², Z. Demko³, D. Paculdo¹, M. Tran¹, S. Moshkevich³, C. Valdenor¹, ¹QURE Healthcare, San Francisco, CA, ²Natera, Inc., San Carlos, CA

C156 Severe Acute Rejection In Human Leukocyte Antigen Identical Renal Transplants: Reviving Mixed Lymphocyte Culture
P. Rajendran¹, M. Cusick², S. Dhingra³, B. Murthy¹, ¹Baylor College of Medicine, Houston, TX, ²Division of Abdominal Transplantation, Baylor College of Medicine, Houston, TX, ³Pathology, Baylor College of Medicine, Houston, TX

C160 Effects of Proton Pump Inhibitors on Allograft Rejection and Adverse Effects in Kidney Transplant Recipients: A Systemic Review and Meta-Analysis
B. Boonpheng¹, C. Thongprayoon², M. A. Mao³, W. Cheungpasitporn⁴,
¹Internal Medicine, East Tennessee State University, Johnson City, TN, TN, ²Nephrology, Mayo Clinic, Rochester, MN, MN, ³Nephrology, Mayo Clinic, Rochester, MN, ⁴Internal Medicine, University of Mississippi Medical Center, Jackson, MI, MS

C157 Combination of Ketoconazole and Tacrolimus Increases the Risk of Kidney Transplant Rejection in African Americans
M. E. Sharshir, A. Zhang, E. Khan, B. Zhang, S. Giusti, R. Zhang, Nephrology, Tulane University, New Orleans, LA

C161 Outcomes of Phenotypes in Early Subclinical Inflammation (SCI) Determined by Presence of Interstitial Inflammation with or without Concomitant Tubulitis
R. Mehta, S. Tandukar, D. Jorgensen, I. Owoyemi, P. Sood, A. Tevar, S. Hariraran, University of Pittsburgh Medical Center, Pittsburgh, PA

C162 Decreased Rejection and Higher Graft Survival in Pediatric Deceased Donors
P. Budhiraja¹, D. Rotich², J. Mahnken², A. Ilahe¹, A. Naik³, D. Cibrik¹, ¹Nephrology, University of Kansas Medical Center, Kansas City, KS, ²Statistics, University of Kansas, Kansas City, KS, ³Nephrology, University of Michigan, Ann Arbor, MI
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<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Institutions</th>
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</thead>
<tbody>
<tr>
<td>C163</td>
<td>Inpatient versus Outpatient Management of Hyperglycemia in Post-Transplant Patients Following High Dose Steroid Pulses for Acute Rejection</td>
<td>J. L. Wisniewski¹, W. Bruneau², E. A. Cohen³</td>
<td>University of Connecticut, School of Pharmacy, Storrs, CT, Yale New Haven Hospital, New Haven, CT</td>
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<tr>
<td>C164</td>
<td>Outcome of Treated Cellular Rejection (CMR) in Renal Transplant Patients</td>
<td>N. Raj, S. Jackson, S. Riad, R. Spong, V. Vakil, A. Matas, D. Keys</td>
<td>University of Minnesota, Minneapolis, MN</td>
</tr>
<tr>
<td>C165</td>
<td>Atypical Hemolytic Uremic Syndrome Concomitant Complement Factor H Gene Variations Leading to Early Renal Allograft Loss: Multicenter Cases Report from China</td>
<td>J. Wen¹, Z. Jin², N. Gong³, X. Xu⁴</td>
<td>Jinling Hospital, Nanjing, Jiangsu, China, Department of Renal Transplantation, The First Affiliated Hospital of Medical College, Xi'an Jiaotong University, Xi'an, China, Organ Transplantation, Organ Transplantation Key Laboratory of the Ministry of Education, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, The First Hospital Affiliated to Army Medical University, Beijing, China</td>
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<tr>
<td>C166</td>
<td>Continuous 24-Hour vs. Daily Antithymocyte Globulin (ATG) Infusions for Treatment of Renal Allograft Rejection: Preliminary Results of a Prospective Trial</td>
<td>S. J. Patel, S. Kuten, R. Knight, J. Nolte-Fong, D. Nguyen, E. Graviss, A. Gaber</td>
<td>Methodist Hospital, Houston, TX</td>
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<tr>
<td>C168</td>
<td>Impact of T-cell Mediated Allograft Inflammation within First-Year after Kidney Transplantation: An Analysis of Paired Biopsies from a Single Center Study</td>
<td>S. Tandukar, R. Mehta, I. Owoyemi, D. Jorgensen, P. Sood, S. Hariharan</td>
<td>Division of Transplant Nephrology, Thomas E. Starzl Transplant Institute, University of Pittsburgh Medical Center, Pittsburgh, PA</td>
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<td>C169</td>
<td>Early And Late Borderline Lesions Exhibit Differential Outcomes In Renal Transplant Recipients</td>
<td>N. K. Wilson¹, S. Tremblay¹, P. Lee¹, S. Bumb¹, R. R. Alloway¹, A. R. Shields², M. Cardi³, E. S. Woodle⁴</td>
<td>University of Cincinnati, Cincinnati, OH, The Christ Hospital, Cincinnati, OH</td>
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<td>C170</td>
<td>Borderline Lesions Following Lymphocyte Depletion: Effect of Treatment</td>
<td>N. Wilson¹, S. Tremblay¹, P. Lee¹</td>
<td>University of Cincinnati, Cincinnati, OH, The Christ Hospital, Cincinnati, OH</td>
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<td>C171</td>
<td>The Impact of Early Subtherapeutic Tacrolimus Troughs with Alemtuzumab Induction</td>
<td>L. Bowman¹, E. Yanqui¹, C. Truong¹, R. Baliga², A. Brueckner¹</td>
<td>Tampa General Hospital, Tampa, FL, Florida Kidney Physicians, Tampa, FL</td>
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<tr>
<td>C172</td>
<td>The Crucial Role of Molecular Microscope in the Interpretation of Ambiguous Lesions Such as Banff Borderline Changes and Tubulo-Interstitial Inflammation Accompanying PVAN</td>
<td>D. Deborska-Materkowska¹, A. Perkowska-Ptasinska¹, M. Ciszek¹, P. F. Halloran², M. Myslak³</td>
<td>Warsaw Medical University, Warsaw, Poland, The Christ Hospital, Edmonton AB, AB, Canada, Pomeranian Medical University, Szczecin, Poland</td>
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C173 Impact of T-cell Mediated Allograft Rejection and Antibody Mediated Rejection within the First Year after Kidney Transplantation
I. Owoyemi, D. Jorgensen, S. Tandukar, R. Mehta, S. Hariharan, Thomas E. Starzl
Institute of Transplantation and Division of Transplant Nephrology, UPMC, Pittsburgh, PA

C174 A Prospective, Randomized, Multicenter Trial of Bela-Based CNI Free and Steroid Withdrawal Immunosuppression: Best Trial Two Year Characterization of Rejection and Renal Function
1Medizinische Klinik m. S. Nephrologie und internistische Intensivmedizin, Charité Universitätsmedizin Berlin, Berlin, Germany, 2Medizinische Klinik m. S. Nephrologie und internistische Intensivmedizin, Charité Universitätsmedizin Berlin, Berlin, Germany, 3Max-Delbrück Center for Molecular Medicine, Berlin, Germany, 4III. Medizinische Klinik und Poliklinik, Universitätsklinikum Hamburg-Eppendorf, Hamburg, Germany, 5CECAD Research Center, Universitätsklinikum Köln, Köln, Germany

C175 Effect of Renal Function on Asymmetric Dimethylarginine (ADMA) Homeostasis in Kidney Donors and Recipients
M. Y. Said1, R. M. Douwes1, M. van Londen1, I. Minović1, A. Frenay2, M. H. de Borst1, E. van den Berg1, M. R. Heiner-Fokkema3, A. A. Kayacelebi4, A. Bollenbach5, H. van Goor6, G. J. Navis1, D. Tsikas7, S. J. Bakker1, 1Internal medicine, University Medical Center Groningen, Groningen, Netherlands, 2Gynecology and Obstetrics, Amsterdam University Medical Center, Amsterdam, Netherlands, 3Laboratory Medicine, University Medical Center Groningen, Groningen, Netherlands, 4Inst. of Toxicology, Core Unit Proteomics, Hannover Medical School, Hannover, Germany, 5Pathology and Medical Biology, University Medical Center Groningen, Groningen, Netherlands

C176 Sex Specific Regulation of Podocyte-Specific Genes and Proteins Determines Glomerular Response to mTOR Inhibition
A. Kusch1, O. AlDiab2, D. Gürgen3, C. Sünkel4, F. Grahame1, M. Rinschen5, T. Huber4, N. Rajewsky2, D. Dragun2, 1Medizinische Klinik m. S. Nephrologie und internistische Intensivmedizin, Charité Universitätsmedizin Berlin, Berlin, Germany, 2Medizinische Klinik m. S. Nephrologie und internistische Intensivmedizin, Charité Universitätsmedizin Berlin, Berlin, Germany, 3Max-Delbrück Center for Molecular Medicine, Berlin, Germany, 4III. Medizinische Klinik und Poliklinik, Universitätsklinikum Hamburg-Eppendorf, Hamburg, Germany, 5CECAD Research Center, Universitätsklinikum Köln, Köln, Germany

C177 Use of GLP-1 Receptor Agonists in Kidney Transplant Recipients with Type 2 Diabetes
A. Kukla1, J. Hill, M. Merzkani, A. Bentall, E. Lorenz, W. Park, P. Shah, N. Issa, M. Stegall, Mayo Clinic, Rochester, MN

C178 Prevention of Diabetic Nephropathy after Kidney Transplantation Requires More Than Pursuing Low Levels of Glycated Hemoglobin

C179 Hypoadiponectinemia is Associated with Low Handgrip Strength in Renal Transplant Recipients
M. Lee1, B. Hsu2, 1Surgery, Hualien Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Hualien, Taiwan, 2Nephrology, Hualien Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Hualien, Taiwan

C180 BMI Changes and Its Impact on Long Term Follow-Up in Kidney Transplant Recipients
P. A. Miarka1, D. Cieniawski, E. Ignacak, A. Prokop, A. Hodun, K. Krzanowska, M. Kuzniewski, Dept. of Nephrology, Jagiellonian University Medical College, Krakow, Poland
C181 Normal Coronary Angiogram Pre-Transplant Does Not Predict Cardiac Events in Diabetic Kidney Transplant Recipients
F. Aziz, A. Mulay, M. Anders, S. Parajuli, D. Mandelbrot, A. Djamali, University of Wisconsin, Madison, WI

C182 Impact of Prolonged Venous Thromboembolism Prophylaxis on 30-Day Hemostatic Outcomes Following Kidney Transplantation in Patients with Hypercoagulable Risk Factors
V. Behbahani, A. Santeusanio, S. Ames, R. Shapiro, Mount Sinai Hospital, New York, NY

C183 Renal Function, Albuminuria, and the Risk of Hemorrhage and Thrombosis after Kidney Transplantation
N. N. Lam¹, P. Ravanii², R. R. Quinn², M. Tonelli², F. Ye¹, B. R. Hemmelgarn², M. M. Sood³, ¹University of Alberta, Edmonton, AB, Canada, ²University of Calgary, Calgary, AB, Canada, ³University of Ottawa, Ottawa, ON, Canada

C184 Pharmacist-Led Management of Post-Transplant Hyperglycemia Reduces Hospitalizations
V. H. Do¹, I. Figueroa², A. Elshafie³, R. Belfort De Aguiar³, D. Haakinson³, E. Cohen¹, ¹Yale New Haven Hospital, New Haven, CT, ²Western New England School of Pharmacy, Springfield, MA, ³Yale School of Medicine, New Haven, CT

C185 † Speckle Echo Pre and Post Kidney Transplant: A Pilot Study
M. Olivares-Perez¹, Y. Gao¹, A. Webber¹, F. Gahgaha³, M. Lassen², A. Qasim¹, M. Park¹, ¹University California, San Francisco, San Francisco, CA, ²University of Copenhagen, Copenhagen, Denmark

C186 Effect of Paricalcitol on Markers of Inflammation in De Novo Renal Transplant Recipients
H. K. Pihlstrom¹, T. Ueland², A. E. Michelsen², G. Mjoen¹, K. Midtvedt¹, H. Holdaas¹, ¹Department of Surgery, Inflammation Medicine and Transplantation, Oslo University Hospital, Oslo, Norway, ²Institute for Clinical Medicine, University of Oslo, Oslo, Norway

C187 Effect of Severe Diarrhea on Kidney Transplant Outcomes
J. Kim, J. Ha, Y. Kim, S. Han, Seoul National University Hospital, Seoul, Korea, Republic of

C188 Alterations in Brain Metabolites before and after Kidney Transplant
A. Gupta¹, P. Lee², R. Lepping³, A. Jurgensen¹, J. Klein¹, P. Adany¹, D. Cibrik¹, J. Burns³, W. Brooks³, I. Choi³, ¹Division of Nephrology, The Kidney Institute, University of Kansas Medical Center, Kansas City, KS, ²Hoglund Brain Imaging Center, Department of Molecular & Integrative Physiology, University of Kansas Medical Center, Kansas City, KS, ³Hoglund Brain Imaging Center, Alzheimer’s Disease Center, University of Kansas Medical Center, Kansas City, KS

C189 Serum Apolipoproteins B and A1 Predict the Development of Late Post-Transplant Diabetes Mellitus in Prevalent Adult Kidney Transplant Recipients
R. Malyala, L. Rapi, M. Nash, G. Prasad, St Michael’s Hospital, University of Toronto, Toronto, ON, Canada

C190 Similar Quality in Chronic Kidney Disease Multidisciplinary Follow-Up between Kidney Transplant and Pre-Dialysis Patients
M. Carminatti, N. M. Fernandes, F. A. Colugnati, H. Sanders-Pinheiro, Nephrology, UFJF, Juiz de Fora, Brazil

C191 Partial Parathyroidectomy And Allograft Function In Renal Transplant Patients
M. Gao¹, E. Vilayur¹, D. Ferreira², C. Bendinelli¹, C. Sankoorikal¹, ¹John Hunter Hospital, New Lambton Heights, Australia, ²Liverpool Hospital, Liverpool, Australia
C192 Impact of Pre-Kidney Transplant Cinacalcet Use on Post-Transplant Outcomes
L. Bowman¹, S. Lloyd², J. Buggs³, H. Pearson¹, R. Baliga³, E. Rogers¹, A. Kumar², ¹Tampa General Hospital, Tampa, FL, ²University of Florida, Gainesville, FL, ³Florida Kidney Physicians, Tampa, FL, ¹University of South Florida, Tampa, FL

C193 Tacrolimus Activated BMP Signaling Acts in Synergy with Stress-Activated FOXO1 to Induce Loss of Beta-Cell Function and Identity
J. Trinañes¹, P. ten Dijke², T. J. Rabelink³, E. J. de Koning⁴, F. Carlotti¹, A. P. de Vries¹, ¹Transplant Center, Leiden University Medical Center, Leiden, Netherlands, ²Molecular Cell Biology, Leiden University Medical Center, Leiden, Netherlands, ³Nephrology, Leiden University Medical Center, Leiden, Netherlands, ⁴Nephrology, Leiden University Medical Center, Leiden, Netherlands

C194 Effects of Statin Use on Cardiovascular Outcome in Patients with Renal Transplantation
J. Kim¹, K. Park¹, S. Park¹, M. Yu², Y. Kim¹, K. Kim¹, M. Park³, H. Lee¹, ¹Seoul National University Hospital, Seoul, Korea, Republic of, ²Hanyang University Guri Hospital, Gyeonggi-do, Korea, Republic of, ³Samsung Medical Center, Seoul, Korea, Republic of

C195 A Comparison of the Safety and Efficacy of Apixaban Use in Renal Transplant vs. Non-Renal Transplant Recipients
T. Loosier, K. Gutierrez, A. James, A. Dodson, University of Alabama at Birmingham Hospital, Birmingham, AL

C196 Novel Oral Anticoagulants in Kidney Transplantation: Results from a Pilot Study
J. Leon, J. Zuber, L. Amrouche, D. Anglicheau, G. Divard, C. Legendre, R. Sbero-Soussan, Adult Transplantation, Necker Hospital, Paris, France

C197 Alterations in Cerebral Blood Flow before and after Kidney Transplantation
A. Gupta¹, I. Choi², R. Lepping³, A. Cibrik¹, J. Burns⁴, W. Brooks⁵, P. Lee², ¹Division of Nephrology, The Kidney Institute, University of Kansas Medical Center, Kansas City, KS, ²Hoglund Brain Imaging Center, Department of Molecular & Integrative Physiology, University of Kansas Medical Center, Kansas City, KS, ³Hoglund Brain Imaging Center, University of Kansas Medical Center, Kansas City, KS, ⁴Hoglund Brain Imaging Center, University of Kansas Medical Center, Kansas City, KS

C198 Kidney Transplant Outcomes among Patients with Obstructive Sleep Apnea
R. Tiwari, B. Lyu, S. Alagusundaramoorthy, B. C. Astor, D. Mandelbrot, S. Parajuli, University of Wisconsin, Madison, WI

C199 Successful Kidney Transplant Improves Glucose Tolerance - A Paradoxical Report From A Single Center
A. Mitsuke, H. Harada, H. Higuchi, N. Fukuzawa, H. Tanaka, T. Hirano, T. Sekii, Kidney Transplantation Surgery, Sapporo City General Hospital, Sapporo, Japan

C200 BMI Influence on the Outcomes of Renal Transplant
V. Bianchi, J. D. Kostakis, T. Kasimatis, C. Flach, P. Paraskeva, C. Callaghan, B. Phillips, N. Karydis, N. Kessaris, F. Calder, I. Loukopoulos, Department of Transplantation, Guy’s and St Thomas’ NHS Foundation Trust, Guy’s Hospital, London, United Kingdom

C201 Predictors Of Persistent Hyperparathyroidism After Successful Kidney Transplant: A Single Center Pilot Study
S. Ong, K. Wille, F. Saad, C. Kew, University of Alabama, Birmingham, AL
C202 Diastolic Blood Pressure Derived from Twenty Four Hour Ambulatory Blood Pressure Monitoring Predicts Survival after Kidney Transplantation
I. Basdeo, H. Wadie, M. Prendergast, M. Mai, C. Oshel, T. Jarmi, Transplant, Mayo Clinic, Jacksonville, FL

C203 Rituximab Protects against Development of Atherosclerotic Cardiovascular Disease after Kidney Transplantation, a Propensity Matched Analysis
D. Kim, J. Lee, J. Lee, B. Kim, M. Kim, S. Soon Il, Y. Kim, K. Huh, S. Kim, D. Joo, K. In, E. Kim, Severance hospital, Seoul, Korea, Republic of

C204 Cardiac Risk Assessment in Kidney Transplant Candidates: Clinical Usefulness of Different Guidelines
A. Velioglu1, S. Mehdiyev1, H. Arikan1, E. Asicioglu1, A. Cincin2, S. Tuglular1, 1Nephrology, Marmara University School of Medicine, Istanbul, Turkey, 2Cardiology, Marmara University School of Medicine, Istanbul, Turkey

C205 Efficacy And Safety Of Febuxostat In Renal Transplant Recipients With Hyperuricemia
L. Liu1, J. Jiang1, Q. Fu2, S. Long3, H. Zhang3, X. Su3, J. Li3, C. Wu3, R. Deng2, W. Zhang2, C. Wang2, 1Organ Transplant Center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, 2Organ transplant center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, 3Information Data Center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

C206 Good Outcomes of Octagenerian Kidney-Transplant Recipients: A Single-Center Experience

C207 Long-term Impact of Antihypertensive Treatment and Tacrolimus Dose in Renal Allograft Recipients 5 Years Post-Transplantation
D. Rush1, S. Cockfield2, S. Wilson3, J. Schwartz4, 1University of Manitoba, Winnipeg, MB, Canada, 2University of Alberta Hospital, Edmonton, AB, Canada, 3Astellas Pharma Global Development, Northbrook, IL, 4Astellas Pharma US, Northbrook, IL

C208 Daily Use of a Muscle Pump Activator Device Reduces Hospitalization and Improves Graft Function Post Transplantation: A Randomized Controlled Trial

C209 Intracerebral Hemorrhage in Renal Transplant Recipients with Autosomal Dominant Polycystic Kidney Disease: A Nationwide Analysis
W. Cheungpasitporn1, C. Thongprayoon2, P. Ungprasert3, K. Wijamprechea4, F. T. Chebib2, P. T. Kroner4, 1Division of Nephrology, Department of Medicine, University of Mississippi Medical Center, Jackson, MS, 2Division of Nephrology and Hypertension, Department of Medicine, Mayo Clinic, Rochester, MN, 3Clinical Epidemiology Unit, Department of Research and Development, Faculty of Medicine, Siriraj Hospital, Mahidol University, Bangkok, Thailand, 4Department of Medicine, Mayo Clinic, Jacksonville, FL

C210 When to Hold: Apixaban in Renal Transplant Recipients
V. H. Do1, D. Haakinson2, K. D. Belfield1, 1Yale New Haven Hospital, New Haven, CT, 2Yale School of Medicine, New Haven, CT

C211 Long-Term Outcomes of Older Kidney-Transplant Recipients: A Single-Center Experience
S. Sultan, M. Aull, M. Lubetzky, A. Watkins, S. Kapur, Weill Cornell Medical College, New York, NY
C212 Dialysis Lowers Pulmonary Embolism Mortality Risk in Kidney Transplantation
B. Javaid, A. Gilbert, G. Vranic, J. Moore, B. Thomas, P. Abrams, S. Ghasemian, J. Verbesey, S. Yi, M. Cooper, MedStar Georgetown Transplant Institute, Georgetown University School of Medicine, Washington, DC

C213 Insulin Resistance as a Surrogate Marker for Post-Transplantation Diabetes Mellitus
D. D. de Lucena, É. B. Rangel, J. R. de Sá, J. O. Medina-Pestana, Department of Medicine, Division of Nephrology, Federal University of São Paulo, São Paulo, Brazil

C214 Serum Adipocyte Fatty Acid Binding Protein Level is Negatively Associated with Vascular Reactivity Index Measured by Digital Thermal Monitoring in Kidney Transplant Patients
M. Lee¹, B. Hsu², Surgery, Hualiên Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Hualiên, Taiwan, Nephrology, Hualiên Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Hualiên, Taiwan

C215 Antihypertensive Medication Requirements with Native Nephrectomy and Kidney Transplantation
J. Buggs¹, J. Sykes², S. Lloyd², E. Rogers¹, L. Wang³, J. Wei³, J. Zhang⁴, A. Kumar⁵, R. Liu⁵, V. Bowers⁵, Tampa General Hospital, Tampa, FL, University of Florida, Gainesville, FL, University of South Florida, Tampa, FL

C216 Postoperative Atrial Fibrillation in Kidney Transplant Recipients: A Retrospective Study Evaluating Risk of Anticoagulation
P. Serrano Rodriguez¹, A. Vijayakumar², P. D. Strassle³, K. Szempruch¹, C. S. Desai¹, A. Vijay¹, A. H. Toledo¹, D. A. Gerber¹, Abdominal Transplant Surgery, University of North Carolina at Chapel Hill, Chapel Hill, NC, School of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, NC, General Surgery, University of North Carolina at Chapel Hill, Chapel Hill, NC

C217 The Comparison of Glycemic Profiles during Post-Operative Early Period between Liver and Kidney Transplantation Assessed by Continuous Glucose Monitoring System
H. Yu¹, H. Jin², S. Lee², J. Yang¹, S. Park², S. Ahn¹, H. Hwang¹, Surgery, Chonbuk National University Medical School and Hospital, Jeonju, Korea, Republic of, Internal Medicine, Chonbuk National University Medical School and Hospital, Jeonju, Korea, Republic of

C218 Low Dose Thymoglobulin Has No Disadvantages to Standard Higher Dose: A Report of the Midwest Pediatric Nephrology Consortium
I. Ashoor¹, R. Beyl², C. Gupta³, A. Jain⁴, S. Kiessling⁵, H. Patel⁶, J. Sherbokie⁷, D. J. Weaver Jr⁸, R. Zahr⁹, V. Dharnidharka¹⁰, LSU Health, New Orleans, LA, Pennington Biomedical Research Center, Baton Rouge, LA, Children’s National Medical Center, Washington, DC, Wayne State University, Detroit, MI, University of Kentucky, Lexington, KY, Nationwide Children’s Hospital, Columbus, OH, University of Utah SOM, Salt Lake City, UT, Levine Children’s Hospital, Charlotte, NC, University of Tennessee, Memphis, TN, Washington University, St. Louis, MO

C219 Growth and Function of En Bloc Kidney Transplantation: A Single-Center Experience
H. Mo¹, J. Ha¹, A. Han¹, S. Min¹, S. Min¹, S. Ahn¹, I. Ha², H. Kang³, S. Kim³, Department of surgery, Seoul National University Hospital, Seoul, Korea, Republic of, Pediatric Nephrology, Seoul National University Hospital, Seoul, Korea, Republic of, Department of surgery, Myongji Hospital, Seoul, Korea, Republic of
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<tr>
<td>C220</td>
<td>Epitope-Based Matching in Pediatric Kidney Transplantation</td>
<td>C. Boussard¹, M. Ould Rabah², O. Boyer², M. Macher¹, J. Taupin³, J. Hogan⁴</td>
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<td>¹Department of Pediatric Nephrology, Robert Debre hospital, APHP, Paris, France, ²Department of Pediatric Nephrology, Necker Enfants-Malades, APHP, Paris, France, ³Department of Immunology, Saint-Louis Hospital, APHP, Paris, France, ⁴Transplant Research Center, Department of Surgery, Emory University, ATLANTA, GA</td>
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<tr>
<td>C221</td>
<td>Implementation of a Longitudinal Comprehensive Multidisciplinary Transition Program and Seminar - Safely Making the Long Leap to the Adult World</td>
<td>M. Moss, E. Steinberg, A. Sikora, K. McKinnon, J. Goebel, M. Bock, Children's Hospital Colorado, Aurora, CO</td>
</tr>
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<td>C222</td>
<td>† Hit Me with Your Best Shot! Multidisciplinary Team Approach to Live Vaccination Administration in Pediatric Transplant Candidates</td>
<td>H. Corbo, K. Sprott, N. Pilch, K. Twombly, D. Taber, Medical University of South Carolina, Charleston, SC</td>
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<tr>
<td>C223</td>
<td>The Utility of Donor and Recipient BK Virus Antibody Testing Prior to Renal Transplantation in Risk Assessment for Developing BK Viremia</td>
<td>N. Donmez, S. I. Al-Akash, Driscoll Children's Hospital, Corpus Christi, TX</td>
</tr>
<tr>
<td>C224</td>
<td>Transport Medium Fluid Cultures in Paediatric Renal Transplantation: Are We Ready to Make a Consensus on Prophylaxis?</td>
<td>D. Furnell¹, S. Boyle¹, N. Kessaris², S. D. Marks¹, J. Stojanovic¹, ¹Nephrology, Great Ormond Street Hospital, London, United Kingdom, ²Transplantation, Guy's and St Thomas’ NHS Foundation Trust, London, United Kingdom</td>
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<td>C225</td>
<td>HLA-DR Upregulation in Pediatric Kidney Transplant Biopsies</td>
<td>O. Moussa, S. Self, E. Bruner, K. Twombly, Medical University of South Carolina, Charleston, SC</td>
</tr>
<tr>
<td>C226</td>
<td>Racial Disparities in Documentation of Non-Adherence and Its Relation to Rejection in Pediatric Kidney Transplant Recipients</td>
<td>T. Melanson, J. Hogan, K. Maroney, R. Patzer, R. George, Emory University, Atlanta, GA</td>
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<td>C229</td>
<td>Ganciclovir Based Prophylaxis against Cytomegalovirus Viremia in Pediatric Renal Transplant Patients: A Systematic Review and Meta-Analysis</td>
<td>B. CHATANI¹, W. Glaberson², Z. Nemeth³, L. Tamariz⁴, I. A. Gonzalez¹, ¹Pediatric Infectious Disease, University of Miami Miller School of Medicine, Miami, FL, ²Pediatric Nephrology, University of Miami Miller School of Medicine, Miami, FL, ³Health Informatics, University of Miami Miller School of Medicine, Miami, FL, ⁴Population Health and Computation Medicine, University of Miami Miller School of Medicine, Miami, FL</td>
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<td>C230</td>
<td>Circulating De Novo Donor Specific Antibodies and Carotid Intima-Media Thickness in Pediatric Kidney Transplant Recipients</td>
<td>K. Sgambat¹, S. Claus¹, A. Moudgil¹, ¹Nephrology, Children’s National, Washington DC, DC, ²Cardiology, Children’s National, Washington DC, DC</td>
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C231  Efficacy and Safety of Everolimus in Pediatric Renal Transplantation
T. Sandes-Freitas, B. Pantoja, M. Custódio, A. Goersch Silva, R. Costa,
M. Sales, R. Esmeraldo, Hospital Geral de Fortaleza / Federal University of Ceará, Fortaleza, Brazil,
Federal University of Ceará, Fortaleza, Brazil,
Hospital Geral de Fortaleza, Fortaleza, Brazil

C232  Anti-cmv Antibody (cmv-ab) And Cmv-specific Cytotoxic T Cell (cmv-tc) Positivity Are Essential To Control Severe Viremia In Seronegative (sero[-]) Pediatric Kidney Transplant Recipients (ped Ktx Pts).

C233†  Consistent High Burden of Arteriosclerosis in Pediatric Kidney Transplant Recipients
K. Ostendorf, N. Memaran, B. Borchert-Mörlins, J. von der Born, E. Bauer,
A. von Wick, J. Oh, M. J. Kemper, R. Büscher, B. M. Schmidt, A. Melk,
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Department of Pediatrics, Asklepios Klinik Nord-Heidberg, Hamburg, Germany,
Pediatric Nephrology, University Hospital, Essen, Germany,
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C234  Are Protocol Biopsies Necessary for Pediatric Renal Transplant Recipients?
E. Allred, E. Ingulli, Pediatrics, UCSD, San Diego, CA

C235  The Response to Human Papillomavirus Vaccination in Pediatric Patients before and after Kidney Transplantation
C. Nailescu, R. D. Nelson, K. Twombley, P. S. Verghese, A. S. Chishti,
M. Mills, J. E. Slaven, J. D. Mahan, M. L. Shew, Riley Hospital for Children, Indianapolis, IN,
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University Children's Hospital, Lexington, KY,
C.S. Mott Children's Hospital, Ann Arbor, MI,
Indiana University, Indianapolis, IN,
Nationwide Children's Hospital, Columbus, OH

C236  Impact of Six-Month Surveillance Biopsies and Monitoring on 2-Year Outcomes in Pediatric Renal Transplant Recipients
J. Lyons, D. Ranch, R. Hall, P. Maxwell, K. Hitchman, B. Crowther,
University Health System, The University of Texas at Austin, College of Pharmacy, Pharmacotherapy Division, Austin, TX,
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Nephrology, Hospital de Pediatría JP Garrahan, Buenos Aires, Argentina,
Food and Nutrition, Hospital de Pediatría JP Garrahan, Buenos Aires, Argentina

C238  Long-term Outcomes And The Feasibility Of Kidney Retransplantation In Pediatric Survivors Of Post-transplant Lymphoproliferative Disease
S. Kizilbash, P. Verghese, B. Chavers, University of Minnesota, Minneapolis, MN
C239 † Cytokine Profiles in Children after Pediatric Kidney Transplantation with Acute Cellular Compared to Chronic Active Antibody-Mediated Rejection
N. Borum, T. Ahlenstiel-Grunow, L. Pape, Pediatric Nephrology, Hannover Medical School, Hannover, Germany

C240 EBV Viremia and Development of EBV Specific Cytotoxic T-cells in Pediatric Renal Transplant Recipients
H. Pizzo, D. Puliyanda, B. Shin, M. Toyoda, S. Jordan, Comprehensive Transplant Center, Cedars-Sinai Medical Center, Los Angeles, CA

C241 † Differences in Graft Survival for Pediatric and Adult Kidney Recipients Followed and Lost to Follow-Up
A. M. Robinson1, E. K. Hsu2, S. M. Bartosh3, D. E. Stewart1, G. V. Mazariegos1, 1United Network for Organ Sharing, Richmond, VA, 2Seattle Children’s Hospital, Seattle, WA, 3University of Wisconsin Hospital and Clinics, Madison, WI, 4Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, PA

C242 Prevalence of Diabetes after Transplant in a Single Center
L. J. Koh1, W. P. Yau2, M. Than1, K. H. Ng1, A. Vathsala3, H. K. Yap1, 1Paediatrics, National University Health System, Singapore, Singapore, 2Pharmacy, National University of Singapore, Singapore, Singapore, 3NUCOT, National University Health System, Singapore, Singapore

C243 Quantitative Epstein-Barr Virus Viral Load Monitoring in Pediatric Kidney Transplantation
C. Metran1, M. E. Araujo1, R. Cardoso1, G. Araujo1, T. De Paula1, L. Cristofani2, F. Penteado3, M. F. Pereira1, A. Watanabe1, 1Pediatric Nephrology, ICr HC FMUSP, São Paulo, Brazil, 2Pediatric Oncology, ICr HC FMUSP, São Paulo, Brazil, 3Pediatric Infectology, ICr HC FMUSP, São Paulo, Brazil

C244 Timeline for Resuming Physical Activities after Renal Transplantation: A Mid West Pediatric Nephrology Consortium Study
P. Baddi1, H. Paté2, H. Janjua3, D. Y. Kim4, A. Jain6, 1Beaumont Children’s Hospital, Royal Oak, MI, 2Nationwide Children’s Hospital, Columbus, OH, 3Cleveland Clinic Children’s Hospital, Cleveland, OH, 4Children’s Hospital of Michigan and Henry Ford Hospital, Detroit, MI, 5Children’s Hospital of Michigan, Detroit, MI

C245 Successful Kidney Transplantation in a Small Child with an Atretic Inferior Vena Cava
J. A. Geha1, J. D. Geha1, M. Goss1, M. L. Kuehl1, R. T. Cotton1, J. A. Goss1, A. Rana1, C. A. O’Mahony1, P. Srivaths2, E. Brewer2, N. N. Galvan1, 1Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX, 2Department of Pediatrics, Baylor College of Medicine, Houston, TX

C246 Utilization of Small Pediatric Donor Kidneys to Improve Access to Kidney Transplantation for Underappreciated Uremic Children in China
X. Su1, W. Shang2, L. Liu1, Y. Feng2, H. Zhang1, J. Li1, Q. Fu1, X. Pang2, G. Feng2, C. Wang1, 1Organ Transplant Center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, 2Kidney Transplantation Unit, The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China

C247 † Long-Term Outcome and Surgical Complications Following Live-Donor Kidney Transplantation in Children Weighing Less Than 15 Kg: A Single Center Experience in Japan
Y. Aoki1, H. Satoh2, Z. Matsui2, R. Hamada3, R. Harada3, M. Muramatsu4, Y. Hamasaki5, S. Shishido6, 1Urology and Kidney Transplantation, Tokyo Metropolitan Children’s Medical Center, Fuchu-shi, Tokyo, Japan, 2Urology and Kidney Transplantation, Tokyo Metropolitan Children’s Medical Center, Tokyo, Japan, 3Nephrology, Tokyo Metropolitan Children’s Medical Center, Tokyo, Japan, 4Nephrology, Toho University Faculty of Medicine, Tokyo, Japan
C248 The Importance of BMP4 Gene Defects in Renal Transplant Patients with CAKUT
E. Baskin1, V. Sahin1, Y. Terzi2, K. Gulleroglu1, N. Uslu3, A. Akdur4, G. Moray4, F. Sahin2, M. Haberal4, 1Pediatric Nephrology, Baskent University, Ankara, Turkey, 2Genetics, Baskent University, Ankara, Turkey, 3Radiology, Baskent University, Ankara, Turkey, 4Transplantation, Baskent University, Ankara, Turkey

C249 En Bloc Kidney Transplant from Infant Donors Less Than 5kg into Adult Recipients
Z. Wang, Q. Xia, M. Wang, H. Li, J. Liu, J. Liu, J. Liu, Urology, Union hospital, Wuhan, China

C250 Post-Transplant Lymphoproliferative Disorders in Pediatric Renal Transplant Recipients: Case Series of 5 Patients
M. E. Araujo1, C. Metran1, R. Cardoso1, G. Araujo1, T. De Paula1, L. Cristofani2, M. F. Pereira3, D. David4, A. Watanabe1, 1Pediatric Nephrology, ICr HC FMUSP, São Paulo, Brazil, 2Pediatric Oncology, ICr HC FMUSP, São Paulo, Brazil, 3Pediatric Infectology, ICr HC FMUSP, São Paulo, Brazil, 4Anatomopathology, HC FMUSP, São Paulo, Brazil

C251 † Immunosuppression Reduction after Diagnosis of Sustained BK Viremia and the Risk of Allograft Rejection, Allograft Loss and Mortality
F. A. Al Dhufairi1, M. Shokoohi2, A. M. Jevnikar1, A. A. House1, D. Kumar3, S. M. Hosseini-Moghaddam1, 1Department of Medicine, Western University, London Health Sciences Centre, London, ON, Canada, 2Epidemiology and Biostatistics, Western University, London, ON, Canada, 3Department of Medicine, University Of Toronto, University Health Network, Toronto, ON, Canada

C252 The Association of BK Virus Infection and Risk of Subsequent Cytomegalovirus Infection after Renal Transplant
M. R. Jorgenson, J. L. Descourouez, B. Lyu, B. C. Astor, C. M. Saddler, S. Parajuli, University of Wisconsin, Madison, WI

C253 Predictive Factors for BKV Nephropathy in Renal Transplant Recipients with BK Viruria
I. Alshaer, M. Bottomley, S. Mehta, J. Galante, I. Roberts, E. Sharples, Renal, Oxford University Hospitals, Oxford, United Kingdom

C254 Incidence, Risk Factors, Outcomes and Clinical Management of BK Viremia in the Modern Era of Kidney Transplantation
J. Kim, Toronto General Hospital, Toronto, ON, Canada

C255 Tandem Mass Tags Based Liquid Chromatography/Mass Spectrometry Analysis of Quantitative Proteomic Changes in Renal Allograft Biopsies with Polyomavirus BK Nephropathy
F. Fang, P. Liu, L. Song, Y. Zhao, G. Zeng, G. Tseng, K. Xiao, P. Randhawa, University of Pittsburgh, Pittsburgh, PA

C256 † Prospective BK Virus Screening in the Early Post-Kidney Transplant Period: A Single Center Experience
N. Parrish1, S. Standar2, M. Anand2, B. G. Abu Jawdeh2, A. Govil2, 1UC Med Ctr, Cincinnati, OH, 2UC Cincinnati, Cincinnati, OH

C257 Development of De Novo Antibody in Renal Transplant Recipients with BK Viremia Managed with Immunosuppression Reduction
M. Raijmakers1, A. Shetty2, R. Hod Dvorai3, A. Tambur2, M. G. Ison2, 1University of Santiago, Santiago, Chile, 2Northwestern University Comprehensive Transplant Center, Chicago, IL

C258 † Late Onset J C Virus Allograft Nephropathy
M. Samra, I. Tang, S. Setty, University of Illinois Health, Chicago, IL

C259 Prolonged Fluoroquinolone Prophylaxis to Prevent BK Viremia in Kidney Transplant Recipients
S. A. Muhsin1, S. J. Ripley2, M. L. Jacobs3, K. Safa1, D. M. Wojciechowski1, 1Nephrology Division, MGH, Boston, MA, 2Cancer Center, MGH, Boston, MA, 3Wake Forest University School of Medicine, Winston-Salem, NC
C260  † Polyomavirus Genotypes In Renal Transplant Recipients In The United States
N. Khoury1, C. Thongprayoon2, N. Leeaphorn3, J. Bruminhent4, W. Cheunpasitporn4, 1Henry Ford Transplant Institute, Detroit, MI, 2Mayo Clinic, Rochester, MN, 3University of Missouri, Kansas, MO, 4Mahidol University, Bangkok, Thailand, 5University of Mississippi, Jackson, MS

C261  † Cidofovir for BK Nephropathy Rescue Treatment: A Single Center Experience
J. Slatinska1, E. Honsova2, T. Rohal1, A. Slavcev3, P. Hruba4, O. Viklicky1, 1Nephrology, IKEM, Prague, Czech Republic, 2Pathology, IKEM, Prague, Czech Republic, 3Immunology, IKEM, Prague, Czech Republic, 4Transplant Laboratory, IKEM, Prague, Czech Republic

C262  Evaluation Of BK Polyomavirus Monitoring And Management In Kidney Transplant Recipients
M. Tomeczkowicz, S. Mondal, N. Sulejmani, B. Summers, T. Larson, A. Jantz, Henry Ford Hospital, Detroit, MI

C263  Early Diagnosis of BK Virus Nephropathy Can Retrieve Kidney Allografts by Simple Reduction in Immunosuppressive Agents
N. Iwahara, D. Iwami, K. Hotta, H. Okada, N. Shinohara, Hokkaido University, Sapporo, Japan

C264  Low Specific Gravity Of First Morning Urine Predicts Bkvn in Kidney Transplant Recipients With Bk Viruria
G. Huang1, X. Chen1, Z. Wang2, Y. Nuertai2, W. Chen3, S. Yang3, P. Chen4, C. Wang1, 1Organ Transplant Center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, 2Department of Clinical Medicine, Sun Yat-sen University Zhongshan School of Medicine, Guangzhou, China, 3Department of Pathology, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, 4Department of Clinical Laboratory, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

C265  Protocol Cidofovir for Refractory Polyomavirus Associated Nephropathy in Kidney Transplant Recipients
J. Clark, A. Haririan, University of Maryland Medical Center, Baltimore, MD

C266  Are Ureteric Stents a Risk Factor for Bk Virus Activation in Kidney Transplantation?
L. Tran, R. Akiki, A. Gautam, Surgery-Section of Transplant Surgery, Boston University School of Medicine, Boston, MA

C267  BK Virus Infection among Kidney Transplant Recipients with High Immunological Risk and Strong Immunosupression
G. Ledesma, M. O. Lopez, G. Carreño, M. J. Santana, M. A. Vaca, E. Gonzalez, C. Jimenez, Nephrology, Hospital Universitario La Paz, Madrid, Spain

C268  † Characteristics of Patients with Early vs Late BK Viremia after Kidney Transplantation
S. Rehman1, J. Pryor2, A. Olyaei3, M. Stack1, D. Norman1, J. Lockridge1, 1Medicine/Nephrology, Oregon Health and Science University, Portland, OR, 2Oregon Health and Science University, Portland, OR, 3Pharmacy, Oregon Health and Science University, Portland, OR

Poster Session C: Liver: MELD, Allocation and Donor Issues (DCD/ECD)

C269  Impact of Revised Policy for Hepatocellular Carcinoma MELD Exception Points on Recurrence after Liver Transplantation
P. Le1, L. McClelland1, K. Knapp1, T. Xu1, S. Pelletier2, 1University of Virginia, Charlottesville, VA, 2Surgery, University of Virginia, Charlottesville, VA

C270  Impact of MELD-Na Course (Delta MELD-Na) on Outcome after Liver Transplantation
G. Silberhumer1, G. Gyori1, L. Unger2, G. Harpain1, 1Transplant Surgery, Medical University Vienna, Vienna, Austria, 2Institute for Mathematics and Bioscience, Medical University Vienna, Vienna, Austria
<table>
<thead>
<tr>
<th>C271</th>
<th>Donor Hepatitis C Seropositivity Confers Poorer Post-transplant Outcomes in Recipients of Marginal Livers in the Post-hepatitis C Treatment Era</th>
<th>C276</th>
<th>The Utility of Intraoperative Vascular Anastomotic Inflow Measurements in Donation After Circulatory Death (DCD) Liver Transplantation</th>
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<td>M. B. Shah, M. Gupta, X. Mei, R. Gedaly, University of Kentucky, Lexington, KY</td>
<td>A. Nair, L. Coromin Hernandez, K. Sasaki, C. Kwon, T. Diago Uso, M. Fujiki, F. Aucejo, K. Hashimoto, B. Eghtesad, C. Miller, C. Quintini, Cleveland Clinic, Cleveland, OH</td>
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</tr>
<tr>
<td>C272</td>
<td>Use, Safety and Effectiveness of Hepatitis B Virus NAT-Positive Donor Livers in the Current Era</td>
<td>C277</td>
<td>Risk Factors for Graft Loss Vary with Recipient MELD Score in Liver Transplantation</td>
</tr>
<tr>
<td>C273</td>
<td>Finding Opportunities for Increased Donation after Circulatory Death Liver Utilization: Results of an American Society of Transplant Surgeons/Association of Organ Procurement Organizations Survey</td>
<td>C278</td>
<td>Moving from Local Allocation to National Allocation Using Gravity Model</td>
</tr>
<tr>
<td>M. Hobeika¹, R. Glazner², D. Foley³, S. Hanish¹, C. Quintini¹, E. Eidbo², D. Axelrod¹, ¹American Society of Transplant Surgeons DCD Task Force, Arlington, VA, ²Association of Organ Procurement Organizations, Vienna, VA</td>
<td>F. Bayer¹, B. Audry², C. Antoine², C. Jasseron², C. Legeais², O. Bastien², C. Jacquelinet¹, ¹Agence de la biomedecine and INSERM U1018, Saint-Denis la Plaine and Villejuif, France, ²Agence de la biomedecine, Saint-Denis la Plaine, France</td>
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<td>C274</td>
<td>Microsteatosis in Livers from Donation after Circulatory Death (DCD) Donors is Associated with Inferior Graft and Patient Survival Following Liver Transplantation (LTX)</td>
<td>C279</td>
<td>MELD-Na Alterations on the Liver Transplant Waiting List and Its Impact on Listing Outcome</td>
</tr>
<tr>
<td>N. Bath, G. Levenson, D. Foley, University of Wisconsin, Madison, WI</td>
<td>G. Silberhumer¹, G. Gyoeri¹, L. Baumann¹, S. Zehetmayer², T. Soliman¹, G. Berlakovich¹, ¹Transplant Surgery, Medical University Vienna, Vienna, Austria, ²Statistics Department, Medical University Vienna, Vienna, Austria</td>
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<tr>
<td>C275</td>
<td>Donor - Recipient Size Mismatch Has No Impact on Outcomes after Deceased Donor Whole Liver Transplantation: A Single Center Analysis</td>
<td>C280</td>
<td>Geographic Disparities in Liver Supply/Demand Ratio within Fixed-Distance and Fixed-Person Circles</td>
</tr>
<tr>
<td>A. Cabrales¹, R. Mangus¹, B. Eks¹, L. Timsina¹, J. Fridell¹, P. Mihaylov¹, T. Nikumbh¹, M. Ghabril², M. Lacerda², C. Kubal¹, ¹Department of Surgery, Indiana University Hospital, Indianapolis, IN, ²Division of Digestive &amp; Liver Disorders, Indiana University Hospital, Indianapolis, IN</td>
<td>C. Haugen¹, T. Ishaque¹, A. Sapirstein¹, D. Segev¹, S. Gentry², ¹JHU, Baltimore, MD, ²USNA, Baltimore, MD</td>
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</tr>
</tbody>
</table>
C281  Share 21 Rather Than Share 15: Balancing Transplant Opportunity without Compromising Waitlist Outcomes
S. Nagai1, L. C. Chau1, M. Abouljoud1, K. Collins1, S. Jafri2, M. Safwan1, D. Moonka2, 1Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI, 2Gastroenterology, Henry Ford Hospital, Detroit, MI

C282  The Power of Young Donor Liver; Elixir of Life for Sick Liver Transplant Recipient
J. Kusakabe1, J. McVey2, D. J. Firl2, M. Fujiki2, F. N. Aucejo1, C. Quintini2, K. Hashimoto2, K. Sasaki2, 1Kyoto University Graduate School of Medicine, Kyoto, Japan, 2Cleveland Clinic Foundation, Department of General Surgery, Digestive Disease Institute, Cleveland Clinic, Cleveland, OH

C283  Identifying a Clinically Relevant Cut-Off for Height That is Associated with a Higher Risk of Waitlist Mortality in Liver Transplant Candidates
J. Ge, J. C. Lai, University of California - San Francisco, San Francisco, CA

C284  Early Allograft Dysfunction in High Acuity Liver Transplant Recipients

C285  Impact Of Aggressive Utilization Of Liver Allografts On Outcomes
A. Rana, M. Kueht, N. Galvan, R. Cotton, C. O'Mahony, J. Goss, Baylor College of Medicine, Houston, TX

C286  Patients With Persistently Low MELD-Na Scores Continue To Be At Risk Of Liver Related Death
N. Mazumder, K. Atiemo, S. Montag, A. Daud, A. Kho, M. Abecassis, J. Levitsky, D. Ladner, Northwestern Memorial Hospital, Chicago, IL

C287  Increasing the Number of Liver Transplants through Active Review of Offers Turned Down
M. L. Melcher, C. A. Bonham, A. Gallo, W. Concepcion, I. Jacobson, C. O. Esquivel, Stanford University, Palo Alto, CA

C288  Validation Of The Optimized Prediction Of Mortality (Opom) Machine Learning Model For Non-hepatocellular Carcinoma Candidates Awaiting Liver Transplant
L. Lau1, X. Xie2, F. Jia2, P. D. Greig1, T. C. Chan2, 1Multi-Organ Transplant, Department of Surgery, University of Toronto, Toronto, ON, Canada, 2Mechanical and Industrial Engineering, University of Toronto, Toronto, ON, Canada

C289  Taking a Step toward Standardization: Results of an American Society of Transplant Surgeons/Association of Organ Procurement Organizations Survey of Donation after Circulatory Death Liver Recovery Practices
M. Hobeika1, R. Glazner2, D. Foley1, S. Hanish1, C. Quintini1, E. Eidbo2, D. Axelrod1, 1American Society of Transplant Surgeons DCD Task Force, Arlington, VA, 2Association of Organ Procurement Organizations, Vienna, VA

C290  Factors Associated with the Acceptance of Livers for Liver Transplantation: Validation of the Discard Risk Index in the Eurotransplant Region
J. D. Boer1, H. Putter2, J. J. Blok3, N. Cambridge1, S. Van den Berg1, U. Samuel1, G. Berlakovich4, M. Guba5, A. E. Braat6, 1Eurotransplant International Foundation, Leiden, Netherlands, 2Department of Biomedical Data Sciences, Leiden University Medical Center, Leiden, Netherlands, 3Transplant Center, Leiden University Medical Center, Leiden, Netherlands, 4Medical University of Vienna, Vienna, Austria, 5Hospital of the University of Munich, Munich, Germany
C291 Analysis Of Public Health Service Increased Risk Donors Shows No Viral Transmission In Liver Transplant Recipients And Similar Graft / Patient Survival When Compared To Non-increased Risk Donors
A. Amin, T. Ito, D. Ng, R. McMillan, J. DiNorcia, V. Agopian, F. Kaldas, H. Yersiz, R. Busuttil, D. Farmer, Department of Surgery, The Dumont-UCLA Transplant Center, Los Angeles, CA

C292 Gender Disparities In Cirrhosis: New Findings In A Large Pretransplant Population
N. Mazumder, K. Atiemo, A. Daud, L. Zhao, M. Abecassis, J. Levitsky, D. P. Ladner, Northwestern Memorial Hospital, Chicago, IL

C293 The Feasibility Of Donation After Cardiac Death In Liver Transplantation: A Registry Analysis
A. C. Gruessner, R. Misawa, A. Masi, Z. Moghadamymeghaneh, J. F. Renz, R. W. Gruessner, SUNY Downstate Medical Center, Brooklyn, NY

C294 Increasing Incidence and Transplantation of Individuals Listed with Alcoholic Liver Disease
E. L. Godfrey1, A. Rana2, J. A. Goss2,
1Department of Student Affairs, Baylor College of Medicine, Houston, TX,
2Division of Abdominal Transplantation, Baylor College of Medicine, Houston, TX

C295 Twin Epidemics: Drug Overdoses And Suicides Are Increasingly Fueling The United States Donor Liver Supply
M. Goss1, M. Kueht1, N. Galvan1, J. Reece2, A. Rana1, 1Baylor College of Medicine, Houston, TX, 2Southwest Transplant Alliance, Dallas, TX

C296 Impact of Enteric Vancomycin Resistant Enterococcus Colonization on Waitlist Outcomes among Liver Transplant Candidates
E. Aldag, R. Pedersen, V. Gunabushnam, A. Sahajpal, T. J. Dilworth, Aurora St Luke’s Medical Center, Milwaukee, WI

C297 When to Transplant for Wilson’s Disease: A Review
M. Flanagan, S. Koohmaraiie, M. Kueht, R. Cotton, C. O’Mahony, A. Rana, J. Goss, N. Galvan, Baylor College of Medicine, Houston, TX

C298 Liver Transplantation in Acute Hepatic Insufficiency Induced by Imatinib
A. I. Davis1, D. N. Alvarenga de Rezende2, M. C. Fantauzzi3, T. Di Santi3, N. C. Conforto5, G. T. Martinho3, P. S. Antunes3, 1GI Surgery/Transplant, Hospital Samaritano de Sao Paulo, Sao Paulo, Brazil, 2GI Surgery/Transplant, Faculdade de Ciências Médicas da Santa Casa de São Paulo, Sao Paulo, Brazil, 3Faculdade de Ciências Médicas da Santa Casa de São Paulo, Sao Paulo, Brazil

C299 Liver Circle-Based Allocation: LSAM Modeling Results
D. Schladt1, T. Weaver1, J. Pyke1, A. Herreid1, B. Thompson1, B. Kasiske1, J. Snyder1, W. Kim2, J. Lake3, A. Israni1, J. Heimbach4, 1SRTR, Minneapolis, MN, 2Stanford Univ, Stanford, CA, 3Univ of Minnesota, Minneapolis, MN, 4Mayo Clinic, Rochester, MN

C300 The Impact of Share 35 on Living Donor Liver Transplant Utilization in the United States: Analysis of UNOS Data

C301 † Liver Transplant Candidates Derive a Survival Benefit from Accepting a Macrosteatotic Liver
K. Jackson, M. Bowring, C. Haugen, C. Holscher, L. Liyanage, S. Ottmann, B. Philosophe, A. Massie, D. Segev, A. Cameron, J. Garonzik-Wang, Johns Hopkins University, Baltimore, MD
C302 Development and Implementation of a Pediatric Transplant Consortium
K. Soltys, S. K. Rassmussen, J. Squires, R. Sindhi, S. Pelletier, K. Brayman, M. Angelis, T. Chin, R. Teaster, J. Oberholzer, R. Gonzalez-Peralta, B. Friedman, D. Hupp, M. Mendoza, P. A. Eicker, J. Middleton, G. Mazariegos, 1 Transplant Surgery, Childrens Hospital of Pittsburgh of UPMC, Pittsburgh, PA, 2 Charles O. Strickler Transplant Center, University of Virginia, Charlottesville, VA, 3 Hepatology, Childrens Hospital of Pittsburgh of UPMC, Pittsburgh, PA, 4 AdventHealth Transplant Institute, Florida Hospital, Orlando, FL, 5 AdventHealth for Children, Florida Hospital, Orlando, FL, 6 Nursing, Childrens Hospital of Pittsburgh of UPMC, Pittsburgh, PA, 7 Hepatology, University of Virginia, Charlottesville, VA

C303 Case Series: Anti-Thymocyte Globulin as a Treatment for Steroid-Refractory Severe Acute Hepatitis in Children
A. L. Peters, A. Miethke, K. Campbell, Department of Pediatrics, Division of Pediatric Gastroenterology, Hepatology and Nutrition, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

C304 Pediatric Liver Transplantation during the Opioid Epidemic: UNOS Analysis of Organ Availability and Outcomes
J. Chu, J. Franke, C. Almy, R. Annunziato, R. Arnon, 1 Recanati/Miller Transplant Institute, Icahn School of Medicine at Mount Sinai, New York, NY, 2 Psychology, Fordham University, New York, NY

C305 De Novo Hepatitis B Virus Infection after Pediatric Living Donor Liver Transplantation: Risk Factors, Recognition and Prevention Strategies
G. Gu, Q. Xia, Renji Hospital, Shanghai, China

C306 Deceased Donor Predictors for Pediatric Liver Allograft Utilization and Outcome of the Use of Paediatric Donor Livers in Adult Recipients
S. Huang, C. Sun, X. He, Z. Guo, G. Chen, Organ Transplant Center, the First Affiliated Hospital of SYSU, Guangzhou, China

C307 Management and Outcome of Hepatic Artery Thrombosis in Pediatric Liver Transplantation
A. Channaoui, R. Tambucci, A. Pire, C. de Magnée, R. Reding, 1 Pediatric Surgery and Transplantation Unit, Cliniques Universitaires Saint-Luc, Brussels, Belgium

C308 Silent Allograft Fibrosis in 10-Year Post-Transplantation Histology of Pediatric Liver Transplantation: Is It Really Silent?
S. Lee, S. Lee, J. Rhu, Y. Chung, S. Kim, K. Lee, S. Lee, J. Kim, G. Choi, J. Park, S. Kim, J. Joh, Transplantation, Samsung Medical Center, Seoul, Korea, Republic of

C309 Intraoperative Blood Loss and Transfusion during Pediatric Liver Transplantation: A Single Center Experience
J. A. Villareal, D. Yoeli, J. Yoeli, R. Ackah, R. Sigireddi, M. Kueht, N. Galvan, R. Cotton, A. Rana, C. O'Mahony, J. Goss, 1 Surgery, Baylor College of Medicine, Houston, TX, 2 Surgery, University of Colorado School of Medicine, Denver, CO, 3 Pediatrics, University of Colorado School of Medicine, Denver, CO, 4 Surgery, The Ohio State University College of Medicine, Columbus, OH

C310 Organ Procurement Organization Surgeon Improves Utilization of Livers from Pediatric Donors
M. MacConmara, J. Reese, T. Anthony, A. Aquil, S. Hanish, P. Vagefi, D. Desai, C. Hwang, 1 Surgery (Division of Surgical Transplantation), UT Southwestern Medical Center, Dallas, TX, 2 Southwest Transplant Alliance, Dallas, TX, 3 Childrens Medical Center, Dallas, TX

C311 Metabolic Liver Transplantation - Can We Afford It?
N. Yazigi, W. Fujiwara, 1 Transplant Institute, MedStar Georgetown University Hospital, Washington, DC, 2 Georgetown University Medical School, Washington, DC
<table>
<thead>
<tr>
<th>C312</th>
<th>Repeat Liver Transplantation after Failed First Transplant in Childhood: Development of a Retransplant Risk Index</th>
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</thead>
<tbody>
<tr>
<td>M. Gupta¹, M. Barry², M. Levine³, K. Olthoff⁴, A. Shaked⁵, P. Abt⁶, ¹University of Kentucky, Lexington, KY, ²University of California, San Francisco, San Francisco, CA, ³University of Pennsylvania, Philadelphia, PA</td>
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<tr>
<th>C313</th>
<th>500 Pediatric Liver Transplants At A Freestanding Pediatric Hospital - Where It Is Done Best</th>
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<tbody>
<tr>
<td>A. Rana, M. Kueht, N. Galvan, R. Cotton, C. O'Mahony, J. Goss, Baylor College of Medicine, Houston, TX</td>
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<tr>
<th>C314</th>
<th>Biliary Atresia Patients Receiving Liver Transplantation Reflect Changing Birth Demographics in the United States between 1987-2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>R. Sindhi, K. Soltsys, G. Mazariegos, G. Bond, A. Khanna, P. McKiernan, Childrens Hospital of Pittsburgh of UPMC, Pittsburgh, PA</td>
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<tr>
<th>C315</th>
<th>Living Donor vs. Deceased Donor Liver Transplantation for Pediatric Patients with Metabolic Liver Disease</th>
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<tr>
<td>G. Gu, Q. Xia, Renji Hospital, Shanghai, China</td>
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<td>N. Yazigi¹, K. Chapman², ¹Transplantation, MedStar Georgetown University Hospital, Washington, DC, ²Transplantation, Children’s National Rare Disease Institute, Washington, DC</td>
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<th>C317</th>
<th>Liver Transplantation in Children with Type 1 and Type 2 Autoimmune Hepatitis</th>
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<tr>
<td>I. G. Roepe, J. A. Goss, T. Miloh, Department of Student Affairs, Baylor College of Medicine, Houston, TX</td>
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<tr>
<th>C318</th>
<th>Independent Risk Factors for Discard of Pediatric Liver Allografts</th>
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<tr>
<td>T. H. Malik¹, J. Goss², N. T. Galvan², M. L. Kueht², A. Rana³, ¹Department of Student Affairs, Baylor College of Medicine, Houston, TX, ²Department of Abdominal Transplantation, Baylor College of Medicine, Houston, TX, ³Division of Abdominal Transplantation, Baylor College of Medicine, Houston, TX</td>
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<tr>
<th>C319</th>
<th>Obesity Induced IL-18 Production Impairs FOXP3+ Treg Function and Increases Risk of Primary Graft Dysfunction in Lung Transplant Recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. W. Hancock¹, T. Zhang¹, U. H. Beier¹, A. Samanta¹, R. Han¹, L. Wang¹, J. Jiao¹, J. M. Diamond², D. S. Wilkes³, D. J. Lederer⁴, R. A. Simmons², J. D. Christie⁴, T. Akimova⁴, ¹Children’s Hospital of Philadelphia, Philadelphia, PA, ²University of Pennsylvania, Philadelphia, PA, ³University of Virginia, Charlottesville, VA, ⁴Columbia University, New York, NY</td>
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<th>C320</th>
<th>Correlation between Gene Expression and Histology in Transbronchial Lung Transplant Biopsies</th>
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<tr>
<td>B. Adam, K. Du, S. Rotich, M. Mengel, University of Alberta, Edmonton, AB, Canada</td>
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<tr>
<th>C321</th>
<th>Impact of the 2013 Change in Definition of Increased Risk Donors on Lung Transplant Outcomes</th>
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</thead>
<tbody>
<tr>
<td>C. J. Lehr¹, R. Lopez², S. Arrigain², J. D. Schold², M. Valapour¹, ¹Respiratory Institute, Cleveland Clinic, Cleveland, OH, ²Quantitative Health Sciences, Cleveland Clinic, Cleveland, OH</td>
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<tr>
<th>C322</th>
<th>Molecular Features of Rejection in Endobronchial Mucosa Biopsies</th>
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</thead>
<tbody>
<tr>
<td>M. D. Parkes, K. M. Halloran, J. Chang, P. F. Halloran and The INTERLUNG Study Group, University of Alberta, Edmonton, AB, Canada</td>
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<tr>
<th>C323</th>
<th>Oral Ribavirin Therapy for Respiratory Syncytiat Virus (RSV) in Lung Transplant Recipients: The Impact of Policy Implementation on Cost and Appropriate Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Berak, N. Sulejmani, A. Jantz, T. Larson, S. Davis, B. Summers, Henry Ford Hospital, Detroit, MI</td>
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<tr>
<th>C324</th>
<th>Cellular And Molecular Characteristics Of Intra-graft Lymphoid Aggregates In Chronic Lung Allograft Dysfunction</th>
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<tbody>
<tr>
<td>E. Miyamoto¹, S. Juvet¹, D. Hwang², S. Keshavjee¹, T. Martinu¹, ¹Toronto Lung Transplant Program, University Health Network, Toronto, ON, Canada, ²Sunnybrook Health Sciences Centre, Toronto, ON, Canada</td>
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</table>
C325 Treprostinil as a Bridge Therapy to Heart-Lung Transplants with Severe Pulmonary Arterial Hypertension
C. Ju, Q. Lian, B. Wei, X. Xu, J. He, R. Chen, State Key Lab of the Respiratory Disease, Guangzhou Institute of Respiratory Disease, Guangzhou, China

C326 Caregiving before Thoracic Transplantation--A Qualitative Inquiry
C. C. Kennedy1, J. Ridgeway1, E. Stevens1, J. Kirsch2, K. Carroll1, J. Griffin1, R. Benzo1, 1Mayo Clinic, Rochester, MN, 2University of Florida-Gainesville, Gainesville, FL

C327 Efficacy and Safety of Alemtuzumab versus Basiliximab Induction in Lung Transplantation
J. Choe, J. Au, A. Diamond, C. Ruggia-Check, S. Sehgal, F. Cordova, N. Shigemura, S. Keshavamurthy, Y. Toyoda, Temple University Hospital, Philadelphia, PA

C328 The Impact Of Early Statin Use Following Lung Transplantation On The Development Of Bronchiolitis Obliterans Syndrome
B. Lindner1, S. Strout1, P. Shah2, 1Department of Pharmacy, The Johns Hopkins Hospital, Baltimore, MD, 2Department of Pulmonology, The Johns Hopkins Hospital, Baltimore, MD

C329 Impact Of Inhaled Vasodilator Therapy On Early Morbidity And Mortality After Lung Transplant
M. Tomczkowicz1, A. Wexler1, M. Patel2, J. Fernandez-Castillo2, J. Rusniak1, E. Mancl1, S. Quddus2, 1Department of Pharmacy, Loyola University Medical Center, Maywood, IL, 2Division of Pulmonary and Critical Care, Loyola University Medical Center, Maywood, IL, 3Loyola University Medical Center, Maywood, IL

C330 Outcomes for Lung Transplantation Recipients with Non-Alcoholic Fatty Liver Disease
A. J. Trindade1, P. Burkett1, S. El-Chemaly1, N. Hashemi2, T. Thaniyavarn1, H. R. Mallidi3, H. J. Goldberg1, 1Pulmonary and Critical Care Medicine, Brigham and Women's Hospital, Boston, MA, 2Gastroenterology and Hepatology, Brigham and Women's Hospital, Boston, MA, 3Division of Thoracic and Cardiovascular Surgery, Brigham and Women's Hospital, Boston, MA

C331 Impact of Size Mismatch on Long-Term Graft Survival after Orthotopic Liver Transplantation
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C332 Patient-Reported Self-Management in Lung Transplant Candidates
C. C. Kennedy1, M. Budev2, S. Chandrashekararan3, D. Erasmus4, E. D. Lease5, D. Levine6, K. Thompson7, E. Stevens1, R. Benzo1, 1Mayo Clinic, Rochester, MN, 2Cleveland Clinic, Cleveland, OH, 3University of Florida-Gainesville, Gainesville, FL, 4Mayo Clinic, Jacksonville, FL, 5University of Washington, Seattle, WA, 6University of Texas Health Science Center San Antonio, San Antonio, TX

C333 Lung Allocation Score Should Be Implemented in China
C. Ju, Q. Lian, B. Wei, X. Xu, R. Chen, J. He, State Key Lab of the Respiratory Disease, Guangzhou Institute of Respiratory Disease, Guangzhou, China

C334 Assessment Of Glomerular Filtration Rate Among Lung Transplant Candidates
S. Akkina1, S. Hou2, D. Jain Arwindkar2, A. Desai2, 1Loyola University Medical Center, Maywood, IL, 2Medicine, Loyola University Medical Center, Maywood, IL
C335  † The Molecular Features of Chronic Lung Allograft Dysfunction (CLAD) in Transbronchial and Endobronchial Mucosa Biopsies
M. D. Parkes¹, K. M. Halloran¹, J. Chang², P. F. Halloran and the INTERLUNG study group¹, ¹University of Alberta, Edmonton, AB, Canada, ²ATAGC, University of Alberta, Edmonton, AB, Canada

C336 Azole Use and Fungal Pathogens in Cystic Fibrosis versus Non-Cystic Fibrosis Lung Transplant Recipients
F. J. Marco Canosa¹, K. Brizendine², H. Hassouna³, ¹Internal Medicine, Cleveland Clinic Foundation, Cleveland, OH, ²Infectious Disease, Cleveland Clinic Foundation, Cleveland, OH, ³Infectious Disease, Spectrum Health Infectious Disease, Grand Rapids, MI

C337 Simulation of DSA-Free Lung Allocation
M. Skeans¹, J. Pyke¹, K. Audette¹, R. Lehman², K. Uccellini², K. M. Chan³, E. D. Lease⁴, R. Daly⁴, M. Valapour⁵, ¹SRTR, Minneapolis, MN, ²OPTN, Richmond, VA, ³Univ. of Michigan, Ann Arbor, MI, ⁴Univ. of WA, Seattle, WA, ⁵Mayo Clinic, Rochester, MN

C338 Effect of Enoxaparin Prophylaxis on Early VTE Post Lung Transplant
S. Marshall¹, K. Tsveybel¹, S. Boukedes¹, P. Burkett², R. Chepuri², A. Coppolino³, M. Divo², S. El-Chemaly², S. Keller², J. Kennedy², H. Malldi³, G. Mody³, T. Thaniyavarn³, A. Trindade³, K. Townsend³, H. Goldberg², ¹Lung Transplant, Brigham & Women’s Hospital, Boston, MA, ²Pulmonary Division, Brigham & Women’s Hospital, Boston, MA, ³Thoracic Surgery, Brigham & Women’s Hospital, Boston, MA

C339  † Lung Transplantation in the Elderly Patients with Multi-Comorbidity
N. Shigemura, Y. Toyoda, Temple University Health System / Lewis Katz School of Medicine, Philadelphia, PA

C340 Simulation vs. Reality: 250NM as First Unit of Lung Allocation
M. Skeans¹, J. Pyke¹, C. Lehr², R. Lehman², K. Uccellini², K. M. Chan³, E. D. Lease⁴, R. Daly⁵, M. Valapour⁵, ¹SRTR, Minneapolis, MN, ²Cleveland Clinic Foundation, Cleveland, OH, ³OPTN, Richmond, VA, ⁴Univ. of Michigan, Ann Arbor, MI, ⁵Mayo Clinic, Rochester, MN

C341 Synergistic Effect of HLA Eplet Mismatch Load and CMV Viremia on Clinical Antibody-Mediated Rejection in Lung Transplantation
Y. Im¹, S. Yeramaneni², Y. Yim³, J. Doddeder¹, M. Askar¹, H. J. Huang⁴, ¹Baylor University Medical Center, Dallas, TX, ²Baylor Scott & White Health, Dallas, TX, ³Ross University School of Medicine, Portsmouth, Dominica, ⁴Texas Tech University Health Sciences Center, El Paso, TX, ⁵Houston Methodist Hospital, Houston, TX

C342 Comparison of Basiliximab and Alemtuzumab for Lung Transplant Induction
S. Mietz¹, D. Roe², E. Lushin¹, E. Anderson¹, C. Hage², ¹Pharmacy, Indiana University Health, Indianapolis, IN, ²Pulmonary Critical Care, Indiana University Health, Indianapolis, IN

C343 Pediatric Heart and Lung Graft Loss during the “High-Risk Age Window”
J. Long¹, J. Motter¹, K. R. Jackson¹, M. Kosztowski¹, B. Orandi¹, X. Luo¹, K. Van Arendonk¹, A. Massie¹, E. Bush¹, R. S. Higgins¹, D. L. Segev¹, J. M. Garonzik-Wang¹, ¹Johns Hopkins School of Medicine, Baltimore, MD, ²University Of Alabama at Birmingham, Birmingham, AL, ³Children’s Hospital of Wisconsin-Milwaukee Campus, Milwaukee, WI

C344 Anti-Fungal Prophylaxis in Lung Transplant: A Systematic Review/Meta-Analysis
K. Pennington, M. Baqir, P. Erwin, H. Murad, R. Razonable, C. C. Kennedy, Mayo Clinic, Rochester, MN
C345 Frailty is Highly Prevalent in Lung Transplant Candidates and Varies by Frailty Tool
A. O’Boye, K. Leitner, M. Kelly, J. Wright, J. Lee, M. Sala, R. Tomic, S. Bhorade, Northwestern Memorial Hospital, Chicago, IL

C346 Inadequate (ax) Transbronchial Biopsies Are Not Associated With Clad Or Death After Lung Transplantation
L. Levy1, E. Huszti2, J. Tikkanen3, R. Ghany3, S. Keshavjee3, T. Martinu3, Lung Transplant Program, University Health Network, University of Toronto, Toronto, ON, Canada, 2Division of Pulmonary, Allergy, and Critical Care Medicine, UAB Hospital, Birmingham, AL, 3Division of Pulmonary, Allergy, and Critical Care Medicine, UAB Hospital, Birmingham, AL

C347 Effect of Donor-Recipient Serologic CMV Matching on 1-Year Post-Lung Transplant Outcomes
H. Ehrenfeld, M. Manson, R. Yau, Pharmacy, CHI St. Luke’s Health Baylor St. Luke’s Medical Center, Houston, TX

C348 Pre-Transplant Patient and Caregiver Assessments: A Systematic Review and Meta-Analysis
J. Lau, A. A. Rmilah, R. Mendpara, P. J. Erwin, C. C. Kennedy, Mayo Clinic, Rochester, MN

C349 Clinical Outcomes of Using mTOR Inhibitors with Reduced Dose of Calcineurin Inhibitors in Lung Transplant Recipients: A Single Center Experience
M. Frawley1, J. Leedy1, A. James1, A. Salter1, V. Rusanov4, 1Department of Pharmacy, UAB Hospital, Birmingham, AL, 4Division of Pulmonary, Allergy, and Critical Care Medicine, UAB Hospital, Birmingham, AL

C351 Robotic Kidney Transplantation For Obese Patients: First Year Experience In Single Institute
S. Lee1, L. A. Cantrell2, A. Agarwal1, S. K. Rasmussen1, S. Pelletier1, K. Brayman1, J. Oberholzer1, 1Division of Transplant Surgery, Department of Surgery, University of Virginia Health Sciences Center, Charlottesville, VA, 2Division of Gynecologic Oncology, Department of Obstetrics and Gynecology, University of Virginia Health Sciences Center, Charlottesville, VA

C350 Surgical Site Complications in Kidney Transplant Recipients: Incidence and Outcomes in the Modern Era
J. S. Kim, Toronto General Hospital, Toronto, ON, Canada

C355 Short and Long Term Outcomes of Retrograde vs Antegrade Reperfusion of Liver Transplants. A Propensity Matched Pair Analysis
H. Sharma, B. Shrum, D. Quan, A. Skaro, W. Wall, V. McAllister, Transplant Surgery, University of Western Ontario, London, ON, Canada

Poster Session C: Surgical Issues: All Organs
C356 Minimally Invasive Kidney Transplantation Using a Novel Intraoperative Cryogenic Circulatory Cooling Device
H. Dai, L. Peng, L. Song, Z. Tang, N. Wu, C. Fang, M. Nie, T. Li, Y. Zheng, X. Xie, S. Yu. Department of Urological Organ Transplantation, The Second Xiangya Hospital of Central South University, Changsha, China

C357 Severe Hyponatremia with Intraoperative Desmopressin Use in (Deceased and Living Donor) Renal Transplant Recipients
M. Gill, S. Kuppachi, C. Thomas. Division of Nephrology, University of Iowa Hospital and Clinics, Iowa City, IA

C358 Robotic Pancreas Kidney Transplantation For Type 1 Diabetic Patient With End stage Renal Disease: First Year Experience In Single Institute
S. Lee¹, L. A. Cantrell², A. Agarwal³, S. K. Rasmussen¹, S. Pelletier¹, K. Brayman¹, J. Oberholzer¹. ¹Division of Transplant Surgery, Department of Surgery, University of Virginia Health Sciences Center, Charlottesville, VA, ²Division of Gynecologic Oncology, Department of Obstetrics and Gynecology, University of Virginia Health Sciences Center, Charlottesville, VA

C359 Significant Implications of Prior Transplantation on Treatment and Outcomes of Patients Suffering from Traumatic Brain Injury
L. Mugge, W. Qu, C. Gallagher, A. Caras, N. Henkel, O. Ekwenna, J. Ortiz. The University of Toledo Medical Center, Toledo, OH

C360 Panniculectomy at the Time of Living Donor Renal Transplantation: An Eight Year Experience
L. M. Ngaage¹, A. Elegbede², K. K. Tasidina¹, S. Gebran³, E. Rada¹, A. J. Nam³, J. R. Scalea⁴, S. Niederhaus⁴, D. Singh¹, J. S. Bromberg⁴, S. T. Bartlett¹, Y. M. Rasko¹. ¹Department of Plastic Surgery, University of Maryland Medical Center, Baltimore, MD, ²Department of Plastic & Reconstructive Surgery, Johns Hopkins Hospital / University of Maryland Medical Center, Baltimore, MD, ³Division of Plastic & Reconstructive Surgery, R Adams Cowley Shock Trauma Center, Baltimore, MD, ⁴Department of Transplant Surgery, University of Maryland Medical Center, Baltimore, MD

C361 Passive Veno-venous Bypass Instead Of Centrifugal Pump Is Feasible And Low Cost For Experimental Pig Liver Transplant
J. A. Kalil, M. Sanchez-Galvez, M. Hertl, E. Schadde. Surgery, Rush University Medical Center, Chicago, IL

C362 Tracheostomy Following Liver Transplantation
J. Almario, O. Okoye, M. Spaggiari, K. Jacob, P. Di Cocco, E. Benedetti, I. Tzvetanov. Surgery, University of Illinois at Chicago, Chicago, IL

C363 Hepatic Artery Anastomosis Post-Operative Anatomy Influences Doppler Ultrasound Systolic Acceleration Time after Liver Transplantation

C364 Ex Vivo Resection And Autologous Liver Transplantation As Management Concept For Extensive Malignancy
K. Bruestle¹, A. Griesemer², S. Lobritto², M. Martinez², J. Vittorio², D. Yamashiro², E. Bacha³, T. Kato³. ¹Columbia Center for Translational Immunology, Columbia University, New York City, NY, ²Columbia Center for Liver Disease and Transplantation, Columbia University Medical Center, New York City, NY, ³Morgan Stanley Children’s Hospital, Columbia University Medical Center, New York City, NY
C365  Outcome Differences in Urine Leak Repair Modality Post Kidney Transplantation
J. Buggs¹, V. Gamarra², E. Rogers¹, R. Watson¹, J. Sokolich¹, H. Pearson¹, J. Huang¹, A. Kumar², V. Bowers¹, ¹Tampa General Hospital, Tampa, FL, ²University of South Florida, Tampa, FL

C366  Single-Port Robotic Kidney Transplantation: Initial Pre-Clinical Experience Using the SP Surgical System
M. Eltemamy, J. Garisto, R. Bertolo, E. Miller, A. Wee, J. Kaouk, Cleveland Clinic, Cleveland, OH

C367  Endovascular Repair Of Abdominal Aortic Aneurysms In Kidney Transplant Recipients
S. Kwon¹, D. Jung¹, Y. Kim¹, S. Park², S. Yoon², ¹Department of Vascular and Transplant Surgery, The Catholic University of Korea, Seoul St. Mary’s Hospital, Seoul, Korea, Republic of, ²Department of Vascular and Transplant Surgery, The Catholic University of Korea, Seoul St. Mary’s Hospital, Seoul, Korea, Republic of

C368  Incisional Hernia Repair Post Liver and/or Kidney Transplantation
J. Buggs¹, A. Brando², J. Sokolich¹, E. Rogers¹, A. Kumar³, V. Bowers¹, ¹Tampa General Hospital, Tampa, FL, ²University of Tampa, Tampa, FL, ³University of South Florida, Tampa, FL
Poster Session D: Quality Assurance Process Improvement & Regulatory Issues

Poster Viewing: 6:00 pm - 7:00 pm
Presenters in Attendance: 6:00 pm - 7:00 pm
Hall C & D

A# indicates the board location where the poster will be displayed.

† Those posters identified as an ATC Poster of Distinction by this symbol have received review scores that place them in the top 10% of their category. The Planning Committee encourages you to make them a priority when you visit the poster session.

D1 Availability of Psychiatric and Chemical Dependency Treatment Services at US Hospitals Providing Transplantations
S. K. Niazi¹, A. Spaulding³, T. Schneekloth³, A. Keaveny¹, A. Vasquez¹, E. Vargas², T. Rummans¹, C. Taner⁵,
¹Psychiatry & Psychology, Mayo Clinic, Jacksonville, FL, ²Health Services Research, Mayo Clinic, Jacksonville, FL, ³Psychiatry & Psychology, Mayo Clinic, Rochester, MN, ⁴Hepatology, Mayo Clinic, Jacksonville, FL, ⁵Transplantation, Mayo Clinic, Jacksonville, FL

D2 † Predicting Post Liver Transplant 30-Day Readmission Using Deep Neural Network Model
S. K. Niazi¹, H. O. Park², R. E. Carter², A. Keaveny¹, T. Schneekloth³, A. Spaulding³, D. Harnois⁴, E. Vargas⁴, T. Rummans¹, C. Taner⁷, ¹Psychiatry & Psychology, Mayo Clinic, Jacksonville, FL, ²Enterprise Analytics, Mayo Clinic, Rochester, MN, ³Health Sciences Research, Mayo Clinic, Jacksonville, FL, ⁴GI & Hepatology, Mayo Clinic, Jacksonville, FL, ⁵Psychiatry & Psychology, Mayo Clinic, Rochester, MN, ⁶Health Services Research, Mayo Clinic, Jacksonville, FL, ⁷Transplantation, Mayo Clinic, Jacksonville, FL

D3 Utility of Protocol Ultrasound Surveillance in Liver Transplantation
N. Kemmer¹, W. McClellan¹, D. Patino³, E. Rogers¹, A. Kumar², J. Buggs¹, ¹Tampa General Hospital, Tampa, FL, ²University of South Florida, Tampa, FL, ³University of Alabama at Birmingham, Birmingham, AL

D4 Listening to the Patients Voice for Developing Transplant Education
S. Brown, H. Li, D. Tsapepas, Renal Transplant, Columbia University Medical Center, New York, NY

D5 Evaluation Of Workplace Environment In Transplant Medicine: Harassment Should Not Be The “Reality Of Life”
M. Reilly¹, T. Branstool¹, T. R. Pearson⁵, T. S. Purnell⁵, G. Gunasekaran⁵, B. Kelly⁵, P. N. Martins⁶, C. M. Moby³, S. M. Black⁸, E. C. Maynard⁹, D. C. Simpson¹⁰, M. B. Shah¹¹, O. Ekwenna¹, J. Locke¹², J. Ortiz¹, ¹Surgical Transplant, University of Toledo College of Medicine and Life Sciences, Toledo, OH, ²Froedtert and the Medical College of Wisconsin, Milwaukee, WI, ³Johns Hopkins School of Medicine, Baltimore, MD, ⁴Mount Sinai Medical Center, New York, NY, ⁵DCI Donor Services, Nashville, TN, ⁶University of Massachusetts, Amherst, MA, ⁷Houston Methodist, Houston, TX, ⁸The Ohio State University, Columbus, OH, ⁹Oregon Health and Science University, Portland, OR, ¹⁰Northwestern University, Evanston, IL, ¹¹University of Kentucky, Lexington, KY, ¹²University of Alabama at Birmingham, Birmingham, AL

D6 † The Use of Mobile Software for Real-Time, Secure, Team-Based Procurement and Transplantation Team Communication to Improve the Deceased Donor Organ Transplantation Process
E. Pahl, HealthTech Solutions, Inc., Coralville, IA

D7 † Integration Of Business Intelligence (BI) Solution In Tertiary Renal Transplant Centre To Drive Clinical Decisions.
M. Heer, S. Yausis, P. R. Trevillian, Newcastle Transplant Unit, John Hunter Hospital, Newcastle, Australia
D8 The Medical Intensive Liver Unit: A Novel Multi-disciplinary Program For The Intensive Care Of Patients With Advanced Liver Disease
C. C. Lindenmeyer, G. Flocco, L. Kokoczka, B. Dolan, C. Strauser, C. Romero-Marrero, E. Mireles-Cabodevilla, H. Khouli, A. Sobotka, D. C. Quintini, A. Kapoor, C. Romero-Marrero, H. Khouli, E. Mireles-Cabodevilla, H. Khouli, A. Sobotka, D. C. Quintini, A. Kapoor, 1Department of Gastroenterology, Hepatology and Nutrition, Cleveland Clinic, Cleveland, OH, 2Department of Critical Care Medicine, Cleveland Clinic, Cleveland, OH, 3Transplantation Center, Cleveland Clinic, Cleveland, OH

D9 A Cost Saving Quality Improvement Project in Solid Organ Transplant Population Following Tacrolimus Switch from Prograf® to Adoport® Immunosuppression - A Single Centre Experience
L. Mulreid, M. Vincent, L. Laycock, A. Summers, S. Bhutani, Manchester Royal Infirmary, Manchester, United Kingdom

D10 Initial Single-Center Results from the Pilot Transplant Quality Improvement Project in Liver Transplant
A. Zarinsefat, S. M. Syed, R. Hirose, UC San Francisco, San Francisco, CA

D11 QA of MMR/VZV Protocol-Driven Serologic Screening and Infectious Disease Consultation (IDC) Are Strongly Recommended in Heart, Lung, Liver (HLL) SOTs
Z. Seckin, L. Brumble, C. Libertin, Mayo Clinic, Jacksonville, FL

D12 The Effect Of Missed Hemodialysis Treatment Prior To Transplant
A. Padiyar, A. Agrawal, D. Hricik, N. Sarabu, A. Jittirat, K. Yadav, E. Sanchez, M. DeBroy, V. Humphreville, J. Rabets, A. Palanisamy, K. Chavin, 1Medicine, Nephrology, University Hospitals Cleveland Medical Center, Cleveland, OH, 2Transplant Surgery, University Hospitals Cleveland Medical Center, Cleveland, OH

D13 Sensitivity of 5-Tier System to Unadjusted Confounding
N. Salkowski, A. Wey, J. Snyder, SRTR, Minneapolis, MN

D14 Performance Improvement Initiative: Ambulatory Tool to Improve Tacrolimus Intrapatient Variability (IPV) Monitoring in Kidney & Liver Transplant Recipients

D15 Mortality around the One-Year Survival Metric after Liver Transplantation in the United States
C. Blebea, P. Chatterjee, A. Nathan, J. Diamond, H. J. Goldberg, A. Courtwright, 1Hospital of the University of Pennsylvania, Philadelphia, PA, 2Brigham and Women's Hospital, Boston, MA

D16 Poor Nutritional And Bone-mineral Density Parameters Pretransplant Predict Complications Posttransplant
A. Padiyar, A. Agrawal, D. Hricik, J. Kerner, J. Benavides, N. Sarabu, A. Jittirat, K. Yadav, E. Sanchez, M. DeBroy, V. Humphreville, J. Rabets, A. Palanisamy, K. Chavin, 1Medicine, Nephrology, University Hospitals Cleveland Medical Center, Cleveland, OH, 2Transplant Surgery, University Hospitals Cleveland Medical Center, Cleveland, OH

D17 Use of an Ideal Body Weight-Based Rabbit Anti-Thymocyte Globulin Dosing Protocol in Kidney Transplant Recipients to Decrease Cost and Maintain Outcomes at a Large Academic Medical Center
L. J. Myhre, R. J. Bubik, K. T. Peterson, H. A. Personett, S. A. Crow, P. G. Dean, 1Pharmacy, Mayo Clinic, Rochester, MN, 2Transplantation Surgery, Mayo Clinic, Rochester, MN

D18 Characterization Of Increased Risk Donor Post-transplant Viral Surveillance Protocol At A Comprehensive Transplant Center
J. Dann, W. Ally, S. Pelletier, C. Sifri, A. Agarwal, University of Virginia Health System, Charlottesville, VA
D19  The Dry Weight Revealed!, What Transplanted Kidneys Teach Us about the (Dry Weight).
M. Hamid1, S. Oyewolle-Eletu2, G. Gudleski2, K. Speta3, J. Kumar1, S. Chang1; 1Nephrology-Transplant, State University of New York at Buffalo (SUNY) Buffalo, Buffalo, NY, 2Jacob’s School of Medicine, State University of New York at Buffalo (SUNY) Buffalo, Buffalo, NY, 3Nephrology-Transplant, Erie County Medical Center, Buffalo, NY

D20  † Kidney & Pancreas Transplant Waitlist Management - A Tiered System Approach
H. L. Busch, Transplant, UCI Health, Orange, CA

D21  Build It, They Will Come: Surgical Renal Outpatient Infusion Room Decreases Readmission Rates
J. Truckenbrod1, K. DeWall1, M. Jones1, E. VanLith1, M. Anderson1, L. Jaeger1, M. Phillips2, W. Kendall1, L. Burris1, T. Thambi1; 1Transplant, Sanford USD Medical Center and Hospital, Sioux Falls, SD, 2Surgical Renal, Sanford USD Medical Center and Hospital, Sioux Falls, SD

D22  Pharmacist Impact on Vaccinations Rates in Cardiac Transplant Recipients
K. Zaborowski, J. Dedering, R. Felkner, William S. Middleton Memorial Veterans Hospital, Madison, WI

D23  A Cytomegalovirus Antiviral Stewardship Program at a Large Transplant Center
M. Jorgenson1, J. Descourouez2, D. Felix1, C. Saddler2, J. Smith1, D. Mandelbrot, 1UW Health, Madison, WI, 2University of Wisconsin-Madison School of Medicine and Public Health, Madison, WI

D24  Beyond Medication Education: Opportunities for Improvement in Health Education of Solid Organ Transplant Recipients
Y. J. Bababekov, Y. Hsu, C. G. Rickert, Y. Hung, J. A. Fishman, J. F. Markmann, L. Dageforde, D. C. Chang, H. Yeh, Department of Surgery, Massachusetts General Hospital, Boston, MA

D25  Development of an Aggressiveness Report Card
L. Liyanage, M. Kosztowski, S. Bae, K. Jackson, C. Holscher, A. Massie, N. Desai, M. Henderson, D. Segev, J. Garonzik-Wang, Johns Hopkins, Baltimore, MD

D26  The Impact of Changes in OPTN Oversight of Kidney Programs on Organ Yield and Offer Acceptance Practices
A. Wey1, N. Salkowski1, B. Carrico2, S. Sheppard2, B. Kasiske1, B. Thompson1, A. Israni1, J. Snyder1; 1SRTR, Minneapolis, MN, 2OPTN, Richmond, VA

D27  Perception Of Hospital Staff On Transplant: Pre And Post-intervention
J. Wise1, A. Sarvestani1, K. Briggs2, J. Malik2, M. Ott3, L. Markham3, H. Wilkins3, D. Neel3, C. Richart4, J. Foxworth1, M. Moncure2; 1University of Missouri - Kansas City, Kansas City, MO, 2Department of Surgery, University of Missouri - Kansas City, Kansas City, MO, 3Midwest Transplant Network, Kansas City, MO, 4Northeast Georgia Medical Center, Gainesville, GA

D28  Evaluating Potentially Inappropriate Prescribing in Older Kidney Transplant Recipients
L. DeVietro1, B. Richardson2, E. A. Cohen3, A. H. Toledo4, E. Marin5, K. R. Szempruch6; 1University of St. Joseph School of Pharmacy, Hartford, CT, 2University of North Carolina Eshelman School of Pharmacy, Chapel Hill, NC, 3Pharmacy, Yale New Haven Hospital, New Haven, CT, 4Surgery-Transplant, University of North Carolina Medical Center, Chapel Hill, NC, 5Nephrology, Yale New Haven Hospital, New Haven, CT, 6Pharmacy, University of North Carolina Medical Center, Chapel Hill, NC

D29  Page Kidney Phenomenon in a Trauma Patient: A Case Report and Recommendations for Management
M. M. Estrada1, D. R. Hall, W. Dar, J. S. Bynon; 1University of Texas Health Science Center at Houston, Houston, TX
D30 Impact of Case Scheduling on Hospital Cost and Length of Stay in Living Donor Kidney Recipients
J. Yu¹, L. A. Dageforde², M. B. Doyle¹, A. S. Khan¹, W. C. Chapman¹, Y. Lin¹, S. Shenoy¹, T. Alhamad³, T. A. Horwede⁴, J. R. Wellen¹, ¹Surgery, Washington University School of Medicine, St. Louis, MO, ²Surgery, Massachusetts General Hospital, Boston, MA, ³Medicine, Washington University School of Medicine, St. Louis, MO, ⁴Barnes-Jewish Hospital, St. Louis, MO

D31 How Well Do Kidney Transplant Recipients: Preclinical Data L. Contreras-Ruiz¹, K. Shimozawa², R. Zhang¹, L. Turk², J. F. Markmann³, E. C. Guinan², ¹Medical Oncology, Dana-Farber Cancer Institute, Boston, MA, ²Radiation Oncology, Dana-Farber Cancer Institute, Boston, MA, ³Center of Transplantation Sciences, Massachusetts General Hosp., Boston, MA

D32 Liver Waitlist Dropout and Transplant Rates for Metropolitan vs. Non-Metropolitan Candidates
D. Schladt¹, T. Weaver¹, J. Pyke¹, A. Herreid¹, B. Thompson¹, B. Kasiskie¹, J. Snyder¹, W. Kim¹, J. Lake¹, A. Israni¹, ¹SRTR, Minneapolis, MN, ²Stanford Univ, Stanford, CA, ³Univ of Minnesota, Minneapolis, MN

D33 How Well Do Kidney Transplant Patients Understand Their Medications and Does Real-Time Assessment of Knowledge Improve Retention of Information?
B. Clark¹, B. Sirandas¹, T. Larson², A. Carlson¹, C. Truax¹, D. D. Ramirez¹, L. Smith¹, I. Hall¹, ¹University of Utah Health, Salt Lake City, UT, ²Henry Ford Hospital, Detroit, MI

D34 Costimulatory Blockade and Allo-Specific Treg Therapy for Liver Transplant Recipients: Preclinical Data L. Contreras-Ruiz¹, K. Shimozawa², R. Zhang¹, L. Turk², J. F. Markmann³, E. C. Guinan², ¹Medical Oncology, Dana-Farber Cancer Institute, Boston, MA, ²Radiation Oncology, Dana-Farber Cancer Institute, Boston, MA, ³Center of Transplantation Sciences, Massachusetts General Hosp., Boston, MA

D35 Immune Cells Composition of Humanized Mouse Kidney Compared to Normal Human Kidney
S. Noel¹, J. T. Kurzhagen¹, S. Lee¹, M. Sadasivam², A. R. Hamad³, P. M. Pierorazio³, H. Rabbi¹, ¹Medicine, Johns Hopkins University, Baltimore, MD, ²Pathology, Johns Hopkins University, Baltimore, MD, ³Urology, Johns Hopkins University, Baltimore, MD

D36 Full and Sustained Donor Hematopoietic Chimerism after an Isolated Kidney Transplantation
J. Zuber¹, O. Boyer¹, B. Neven¹, E. Six², R. Berthaud¹, M. Ould Rabah¹, S. Sobrino², C. Lagresle², I. André-Schmutz², M. Cavazzana¹, S. Blanche¹, R. Salomon¹, ¹Paris Descartes University, Paris, France, ²Inserm UMRS 1163, Paris, France

D37 Responder B Cell Depletion Increased Allo- Reactive Regulatory T Cells Generated in Allo-Anergization
N. Tanimine¹, L. Contreras-Ruiz², K. Deng³, N. Feeney¹, C. Rickert¹, K. Lee¹, E. Guinan³, J. Markmann¹, ¹Department of Surgery, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Department of Medical Oncology, Dana-Farber Cancer Institute, Boston, MA, ³Department of Radiation Oncology, Dana Farber Cancer Institute, Boston, MA

D38 RNA Splicing and Lineage Progression: Identification of an Integrated Splicing Pattern in Endodermal Lineage Progression
J. Fair¹, N. Liu¹, S. G. Widen², W. S. Fagg¹, ¹Surgery, University of Texas Medical Branch, Galveston, TX, ²Biochemistry and Molecular Biology, University of Texas Medical Branch, Galveston, TX

D39 Pluripotent Stem Cell Differentiation: Delaying Forward Differentiation Signals Maintains Definitive Endoderm Phenotype for Cellular Transplantation
J. Fair¹, M. M. Shoja¹, N. Liu¹, I. Patrikeev², M. Motamed³, W. S. Fagg¹, ¹Surgery, University of Texas Medical Branch, Galveston, TX, ²Ophthalomology and Visual Sciences, University of Texas Medical Branch, Galveston, TX
D40 † Generation of Thymic Epithelial Cells from Induced Pluripotent Stem Cells to Prolong Allograft Survival
R. Otsuka, H. Wada, H. Tsuji, A. Sasaki, T. Murata, M. Baghdadi, K. Seino, Institute for Genetic Medicine, Hokkaido University, Sapporo, Hokkaido, Japan

Poster Session D: Tolerance / Immune Deviation

D41 Analysis and Regulation of Immune Reaction in the Transplantation from MHC Homozygous Donors to Heterozygous Recipients with Minor Antigen Mismatches
T. Murata, H. Wada, R. Otsuka, H. Tsuji, A. Sasaki, M. Baghdadi, K. Seino, Institute for Genetic Medicine, Hokkaido University, Sapporo, Hokkaido, Japan

D42 In Vivo/In Situ Behaviour of Allogeneic Spleen versus Bone Marrow Cells in Wild-Type Neonatal Mice: Insights into Robust Transplant Tolerance Induction
R. A. Bascom, K. Tao, L. J. West, Pediatrics, University of Alberta, Edmonton, AB, Canada

D43 MHC Cross-Dressing in Mixed Hematopoietic Chimerism
B. Gonzalez Nolasco¹, M. Wang¹, W. Orent¹, A. Pruneville¹, K. Pruner¹, J. O¹, J. Paster¹, J. C. Madsen², G. Benichou¹, ¹Department of Surgery, Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Department of Surgery, Center for Transplantation Sciences, Division of Cardiac Surgery, Massachusetts General Hospital, Boston, MA

D44 Heart En Bloc Thymus Cotransplantation in NHPs
J. O¹, W. Sommer², K. Pruner², J. T. Paster¹, I. M. Hanekamp¹, A. Dehnadi¹, I. Rosales¹, R. N. Smith¹, R. B. Colvin¹, G. Benichou¹, J. S. Allan¹, J. C. Madsen¹, ¹Center for Transplantation Sciences, MGH, Boston, MA, ²Hannover Medical School, Hannover, Germany, ³University of Washington, Seattle, WA, ⁴MGH, Boston, MA

D45 Ablation of Interferon Regulatory Factor 4 in T Cells Induces “Memory” of Transplant Tolerance That is Irreversible by Immune Checkpoint Blockade
H. Zhang¹, J. Wu², D. Zou², W. Chen³, ¹The second Xiangya Hospital, Changsha, China, ²Union Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, ³Immunobiology & Transplant Science Center, Houston Methodist Research Institute, Houston, TX

D46 † Kidney Allografts Induce Systemic Tolerance of Heart Allografts and is Dependent on Foxp3+ Cells
C. Yang¹, J. Ge¹, P. S. Russell¹, J. C. Madsen¹, A. Alessandrini¹, R. B. Colvin², ¹Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, ²Department of Pathology, Massachusetts General Hospital, Boston, MA

D47 Depleting Laminin α5 in Lymph Node Stromal Cells Promotes Transplant Tolerance
L. Li, M. Shirkey, W. Piao, Y. Xiong, V. Saxena, T. Zhang, N. Toney, C. Paluskievicz, J. S. Bromberg, Surgery, U. Maryland, Baltimore, Baltimore, MD

D48 B7H1 Expression is Crucial for Tolerance Induction in Mouse Liver Transplantation
M. Morita¹, S. Datta¹, C. Miller², T. Hamilton¹, K. Hashimoto³, ¹Inflammation & Immunity, Lerner Research Institution, Cleveland, OH, ²General surgery, Liver Transplant Center, Cleveland Clinic, Cleveland, OH, ³General Surgery, Liver Transplant Center, Cleveland Clinic, Cleveland, OH
D49 Donor Brain Death Affects Tolerance Induction in Non-Human Primates

W. Sommer1, J. M. O2, K. B. Pruner3, J. T. Paster3, A. Bean3, A. Dehnadi1, I. M. Hanekamp1, I. Rosales4, R. N. Smith4, R. B. Colvin5, G. Benichou4, J. S. Allan3, T. Kawai2, J. C. Madsen1, 1Department of Cardiothoracic Surgery, Hannover Medical School, Hannover, Germany, 2Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, 3Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA, 4Department of Pathology, Massachusetts General Hospital, Boston, MA, 5Center for Transplantation Sciences, Massachusetts General Hospital, Boston, MA

D54 T Cell-Intrinsic Dysfunction in Donor-Specific Transplantation Tolerance

C. M. McIntosh1, M. L. Miller2, Y. Wang1, A. Chong3, M. Alegre1, 1Department of Medicine, University of Chicago, Chicago, IL, 2Department of Immunology, University of Pittsburgh, Pittsburgh, PA, 3Department of Surgery, University of Chicago, Chicago, IL

D50 A Novel Method for Ex Vivo Treg Expansion via Human iNKT Cell Activation

R. Ishii1, I. Masako1, H. Katsumata1, T. Kanazawa1, T. Yamakawa1, H. Ishigooka1, T. Hirai1, K. Saiga1, M. Okumi1, Y. Ishii2, K. Tanabe1, 1Urology, Tokyo Women’s Medical University, Tokyo, Japan, 2Vaccine Innovation Laboratory RIKEN Cluster for Science, Technology and Innovation Hub (RCSTI), Kanagawa, Japan

D55 Endogenous Erythropoietin is Required for Spontaneous Acceptance of Murine Renal Allografts

J. Horwitz, P. Cravedi, P. Heeger, Icahn School of Medicine at Mount Sinai, NY, NY

D51 IL-21 Induces the Transformation of Th Cell Subsets in Acute Rejection after Kidney Transplantation

H. Deng, R. Wang, J. Shen, J. Chen, Kidney Disease Center, First Affiliated Hospital of Zhejiang University, Hangzhou, China

D56 Tolerance to ABO A-Antigen Following Treatment of Infant Mice with A-Expressing MHC-Identical Erythrocytes

B. Motyka1, J. Fersovich1, M. Sulzer1, I. Adam1, J. Pearcey1, K. Tao1, C. W. Cairo2, P. J. Cowan3, L. J. West1, 1Dept Pediatrics, Alberta Transplant Institute, Canadian Donations and Transplant Research Program, University of Alberta, Edmonton, AB, Canada, 2Department of Chemistry, University of Alberta, Edmonton, AB, Canada, 3Immunology Research Centre, St Vincent’s Hospital, Melbourne, Australia

D52 Increased Frequency of Myeloid-Derived Suppressor Cells Contributing to Prolong Skin Allograft Survival in Aged Mice


D57 Bcl-2/Bcl-xL Inhibition by Navitoclax vs. Bcl-2 Alone Inhibition by Venetoclax for Induction of Mixed Chimerism in Non-Human Primates

H. Sasaki1, D. Ma1, T. Oura1, A. Dehnadi1, I. Rosales2, B. Cosimi1, P. Cippa3, T. Fehr3, T. Kawai1, 1Surgery, Massachusetts General Hospital, Boston, MA, 2Pathology, Massachusetts General Hospital, Boston, MA, 3Medicine, University of Zurich, Zurich, Switzerland

D53 The Effects of Chronic Kidney Disease on Antiviral T Cell Response

R. L. Crepeau1, H. Li2, L. P. Daley-Bauer3, M. L. Ford1, P. D. Winterberg3, 1Emory Transplant Center, Emory University School of Medicine, Atlanta, GA, 2Pediatrics, Emory University School of Medicine, Atlanta, GA, 3Microbiology & Immunology, Emory University School of Medicine, Atlanta, GA

D58 ECDI-Treated Donor Leukocytes in Primate Cardiac Allograft Recipients

Z. Alikhassay Habibabady1, T. Zhang2, W. Sun2, X. Cheng2, L. Burdorf1, I. Tatarov2, S. Sendil2, I. Behrozfard2, B. Cerel1, D. Parsell3, R. N. Pierson III1, X. Luo3, A. M. Azimzadeh1, 1Surgery, Massachusetts General Hospital and Harvard School of Medicine, Boston, MA, 2Surgery, University of Maryland School of Medicine, Baltimore, MD, 3Duke Transplant Center, Duke University, Durham, NC
D59  Immunologically Tolerant Liver Transplant Recipients Are Characterized by Donor-Specific Hyporesponsiveness of Circulating T-cells
A. A. Duizendstra, R. J. Knegt de, M. G. Betjes, M. P. Peppelenbosch, N. H. Litjens, J. Kwekkeboom, Gastroenterology and Hepatology, Erasmus University Medical Center, Rotterdam, Netherlands

D60  Deficiency of the Transcription Factor Satb1 in T Cells Promotes Solid Organ Allograft Survival
P. K. Gupta, M. L. Miller, L. Chen, Y. Wang, J. Conejo-Garcia, A. Chong, M. Alegre, University of Chicago, Chicago, IL

D61  Prevention of Diabetes in the NOD Mice Reconstituted with Bone Marrow Cells from Allogeneic CD4 Knockout, CD8 Knockout or B-Cell Knockout B6 Mice
Y. Huang, H. Xu, Y. Wen, S. Ildstad, University of Louisville, Louisville, KY

D62  Superiority of Donor-Specifically vs. Polyclonally Expanded Regulatory T Cells in Controlling Graft Rejection in the NSG Mouse Human Skin Graft Model
J. H. Voss, F. Zheng, M. D. Jendrisak, J. R. Leventhal, Z. J. Zhang, J. M. Mathew, Surgery – Comprehensive Transplant Center, Northwestern University, Chicago, IL

D63  Comparative Use of Single mTOR vs Dual mTOR/Pi3K Inhibition in Regulatory T Cell Expansion for Clinical Application in Transplantation
R. Gedaly-Eidelman, F. Marti, L. Turcios, E. Chacon, D. Valvi, University of Kentucky, Lexington, KY

D64  Dichotomous Role Of Donor T Cells In The Efficacy Of Tolerogenic Therapies For Transplant Rejection
M. Iglesias Lozano, D. Bibicheff, M. Chicco, G. Brandacher, G. Raimondi, Plastic Surgery, Johns Hopkins University, Baltimore, MD

D65  † Acquired Resistance to Transplantation Tolerance as a Result of Prior Pregnancy Requires B Cells
D. V. Tran, A. N. Suah, S. Khiew, J. S. Young, Q. Wang, D. Yin, M. Alegre, S. Chong, Departments of Surgery and Medicine, University of Chicago, Chicago, IL

D66  Chimeric Allografts Induced by Stem Cell Mobilizing Agents in a Mouse Model of Kidney Transplantation: Role of CD133 Stem Cells
J. Zhou, I. Qi, A. Ahmadi, R. Wesson, A. Cameron, J. Burdick, Z. Sun, Johns Hopkins University School of Medicine, Baltimore, MD

D67  Allograft Survival is Influenced by Gut Microbiota-Dependent Modulation of Innate Immunity

D68  Generation of Human/Pig Hybrid Thymus to Achieve Immune Tolerance to Pig Antigens with Optimal Immune Function

D69  † Circulating Exosomes with Cardiac Self-Antigens (Cardiac Myosin and Vimentin) and De Novo Development of Antibodies to Cardiac Self-Antigens Precedes Chronic Cardiac Allograft Rejection
R. Ravichandran, Y. Itabashi, W. Liu, T. Mohanakumar, Norton Thoracic Institute, St. Joseph’s Hospital and Medical Center, Phoenix, AZ
D70 Role of RIPK3 in Chronic Rejection Following Human Lung Transplantation
S. Angara, R. Ravichandran, H. Sodawalla, M. Smith, R. Bremner, T. Mohanakumar, Norton Thoracic Institute, St. Joseph’s Hospital and Medical Center, Phoenix, AZ

D76 Xenorejection of Porcine Islets in Humanized Mice is Dominated by a Human Th17 Cytokine Immune Response
F. T. Lee, A. Dangi, M. Burnette, B. Hering, X. Luo, 1Transplant Surgery, Northwestern University, Chicago, IL, 2Nephrology, Duke University, Durham, NC, 3Diabetes Institute, University of Minnesota, Minneapolis, MN

Poster Session D: Xenotransplantation

D71 Novel Insights into Blocking the IL-6 / IL-6 Receptor Pathway after Pig Kidney Xenotransplantation in Baboons

D77 Prevention of Islet Allo- and Xenograft Rejection with Immunoglobulin M Immunotherapy
M. Ma, P. Chhabra, K. Brayman, Surgery, University of Virginia, Charlottesville, VA

D72 Indicators of Impending Pig Organ Xenograft Failure: Relevance to Clinical Xenotransplantation

D78 Investigation and Regulation of Induced Anti-Pig Antibody Production in GTKO Pig-to-Cynomolgus Monkey Artery Retransplantation
S. Hurh, J. Lee, J. Jeong, G. Lee, S. Park, S. Ahn, S. Min, C. Ahn, 1Biomedical Research Institute, Seoul National University Hospital, Seoul, Korea, Republic of, 2Department of Nephrology, Ajou University School of Medicine, Suwon, Korea, Republic of, 3Department of Surgery, Seoul National University Hospital, Seoul, Korea, Republic of, 4Department of Internal Medicine, Seoul National University College of Medicine, Seoul, Korea, Republic of

D73 Graft-Infiltrating Regulatory T Cells Are Associated with Long Term Cardiac Xenograft Survival
A. K. Singh, G. Brailleanu, A. Hersfield, L. DiChiacchio, T. Zhang, I. Tatarov, D. Parsell, B. Lewis, F. Sentz, D. Ayares, M. Mohiuddin, 1Department of Surgery, School of Medicine, University of Maryland Baltimore, Baltimore, MD, 2Revivicor, Inc, Blacksburg, VA

D79 Donor-Specific Tregs Prolong Peripheral Chimerism in Baboons Receiving GalTKO hCD47-tg Porcine Peripheral Blood Stem Cells

D74 TMA Development in Kidney and Heart Xenografts Treated with Anti-CD40 or Anti-CD154 Antibodies

D80 TCR Transgenes to Understand Human Xenotolerance Induction
G. Nauman, C. Borsotti, N. Danzl, M. Khosravi-Maharlooei, H. Li, E. Chavez, Y. Yang, M. Sykes, Columbia Center for Translational Immunology, New York, NY

D75 Targeted Epitope Mutagenesis as a Strategy to Decrease Xenoantibody Binding

D75†
D81 Perioperative Cardiac Xenograft Dysfunction after Orthotopic Transplantation is for Real
M. Mohiuddin¹, A. Singh¹, L. DiChiacchio¹, D. Kaczorowski¹, B. Lewis¹, T. Zhang¹, F. Sentz¹, I. Tatarov¹, D. Parsell¹, P. Odonkor¹, E. Strauss¹, B. Williams¹, K. Deatrick¹, D. Ayares², B. Griffith¹, S. Bartlett¹, Department of Surgery, University of Maryland Baltimore, Baltimore, MD, ²Re vivi cor, Inc, Blacksburg, VA

D82 α -1,3-galactosyltransferase Knockout Porcine Tissue And Organ May Reduce The Risks Of Antibody Mediated Rejection Via Less Rhesus Igm Cross-reactivity.
J. Yoon, B. Ezekian, M. Manook, J. Kwun, S. Knechtle, Duke Transplant Center, Durham, NC

D83 Inhibition of Sialidase Activity and Galectin Binding Reduces Xenogeneic Neutrophil-Endothelial Adhesion
B. M. Cerel¹, B. M. French², D. G. Harris², C. Laird², L. Burdorft¹, X. Cheng², C. Feng³, A. S. Cross⁴, S. E. Goldblum⁴, G. R. Vasta⁵, R. N. Pierson III¹, A. M. Azimzadeh¹, ¹Department of Surgery, Massachusetts General Hospital, Boston, MA, ²Department of Surgery, University of Maryland School of Medicine, Baltimore, MD, ³Department of Microbiology and Immunology, and Institute of Marine and Environmental Technology, University of Maryland School of Medicine, Baltimore, MD, ⁴Department of Medicine Center for Vaccine Development, University of Maryland School of Medicine, Baltimore, MD

D84 † Prolonged Heterotopic Cardiac Xenograft Survival from Thrombomudulin Expressing Multigene Donor Pig
A. K. Singh¹, L. DiChiacchio¹, T. Zhang¹, A. Hersfield¹, I. Tatarov¹, D. Parsell¹, B. Lewis¹, F. Sentz¹, D. Ayares², M. Mohiuddin¹, ¹Department of Surgery, University of Maryland Baltimore, Baltimore, MD, ²Re vivi cor, Inc, Blacksburg, VA

D85 † Absence of Antibodies in Human Neonates and Infants to Gt ko/cmahko/β4galnt2ko (Triple Gene Knockout) Pig Cells: Relevance to Cardiac Xenotransplantation for Complex Congenital Heart Disease
H. Hara¹, Q. Li¹, C. A. Banks¹, T. Yamamoto¹, D. Ayares², D. C. Cleveland¹, D. K. Cooper¹, ¹Surgery, University of Alabama at Birmingham, Birmingham, AL, ²Re vivi cor Inc., Blacksburg, VA

D86 The Effect of Intravenous Immunoglobulin on Human Complement-Dependent Cytotoxicity of Pig Cells: Benefit? Or Harm?
T. Yamamoto¹, Q. Li¹, A. Banks¹, H. Iwase¹, D. Ayares², D. K. Cooper¹, H. Hara¹, ¹Xenotransplantation Program, Department of Surgery, University of Alabama at Birmingham, Birmingham, AL, ²Re vivi cor, Blacksburg, VA

D87 Ex-vivo Xenoperfusion Of Wild Type And Galtko.hcd55 Pig Livers With Human Whole Blood
D. Detelich, C. Rickert, C. Eymard, C. Carroll, S. Kimura, H. Yeh, J. Markmann, Massachusetts General Hospital, Boston, MA

D88 Donor Derived Neoplasia: Will It Be a Risk after Clinical Pig Organ Xenotransplantation?
A. Jagdale¹, H. Iwase¹, E. Klein², D. Cooper¹, ¹Surgery, University of Alabama at Birmingham, Birmingham, AL, ²Surgery, University of Pittsburgh, Pittsburgh, PA

Poster Session D: Kidney Acute Antibody Mediated Rejection

D89 Reduced Intensity Induction Therapy in Patients Undergoing Repeat Kidney Transplants
K. Linhares, M. Cristelli, C. Felipe, L. Viana, H. Proença, R. E. de Marco, J. Pestana, H. Tedesco, Hospital do Rim, Nephrology Division, EPM - UNIFESP, São Paulo, Brazil
D90 International Multicenter Study Evaluating Clinical Outcomes Associated with Acute Antibody-Mediated Rejection

D91 Impact of Granulocyte Colony Stimulating Factor on Clinical Outcomes in Kidney Transplant Recipients with Neutropenia
H. Yao, A. Alam, R. Sapir-Pichhadze, D. D’Arienzo, D. Baran, S. Sandal, M. Cantarovich, "Critical Care Medicine, McGill University Health Center, Montreal, QC, Canada, Nephrology and Multi-Organ Transplant Program, McGill University Health Center, Montreal, QC, Canada, Medicine, McGill University Health Center, Montreal, QC, Canada

D92 Yellow Fever and Renal Transplantation: Influence of Vaccination and Infection on the Emergence of Antibody-Mediated Rejection
M. V. Sousa, R. L. Zollner, R. S. Stucchi, I. F. Boin, E. C. Ataide, M. Mazzali, "Department of Internal Medicine - Division of Nephrology, University of Campinas, Campinas, Brazil, Department of Internal Medicine, University of Campinas, Campinas, Brazil, Department of Internal Medicine - Division of Infectious Diseases, University of Campinas, Campinas, Brazil, Surgery Department, University of Campinas, Campinas, Brazil

D93 ABMR In Low-single Dose Thymoglobulin Induction Protocol In Renal Transplant Recipients From A Tertiary Care Centre In A Developing Country
R. Parthasarathy, M. Mohammed, P. Koshy, I. Pradeep, M. Mathew, G. Abraham, "Nephrology, Madras Medical Mission, Chennai, India, Pathology, Madras Medical Mission, Chennai, India


D95 Post-Transplant Anti- A Titer >1:128 in A2-incompatible Kidney Recipients is Associated with Subclinical Antibody Mediated Rejection
V. Kumar, D. Williams, P. MacLennan, M. Mustian, B. Orandi, L. Williams, J. Locke, University of Alabama at Birmingham, Birmingham, AL

D96 A Clinical Analysis for Low-Dose Immunoglobulin United with Plasmapheresis in High Sensitization Renal Transplantation Recipients
L. Xu, J. Zhang, "Chinese PLA General Hospital Eighth Medical Centre, Beijing, China, Nursing Department, Chinese PLA General Hospital, Beijing, China

D97 Daratumumab for Treatment of Antibody-Mediated Rejection in a Kidney Transplant Recipient
S. C. Jordan, R. Vescio, M. Toyoda, N. Ammerman, E. Huang, A. Peng, S. Sethi, R. Najjar, K. Lim, A. Vo, "Comprehensive Transplant Center, Cedars-Sinai Medical Ctr, Los Angeles, CA, Cedars-Sinai Medical Ctr, Los Angeles, CA, Transplant Immunology Lab, Cedars-Sinai Medical Ctr, Los Angeles, CA

D98 Cluster Analysis of Microvascular Inflammation in Indication Biopsies Unveils Distinct Pathological and Immunological Phenotypes with Prognostic Implications
D99  Effect of Race and Antibody-Mediated Injury on Outcomes after Early Subclinical Inflammation  

D100  De Novo Complement-Activating Donor Specific Antibodies in Pediatric Renal Transplant Recipients Are Highly Responsive to Therapy  
V. Sigurjonsdottir, A. Chaudhuri, P. Grimm, Pediatric Nephrology, Stanford, Los Altos, CA

D101  Association between CD19-Positive Rate and Antibody-Mediated Rejection Following Rituximab Administration in Kidney Transplant Recipients  
K. Nanmoku, T. Shinzato, T. Kubo, T. Shimizu, T. Yagisawa, Surgical Branch, Institute of Kidney Diseases, Jichi Medical University Hospital, Shimotsuke, Japan

D102  Pre-emptive Ivig For Dsa Positive Living Donor Kidney Transplant Recipients  
B. Abdalla1, D. Kellner2, A. Diaz2, Y. Zheng3, E. Reed4, O. J. Zhang4, 1Medicine, Division of Nephrology, David Geffen School of Medicine at UCLA, Los Angeles, CA, 2UCLA Immunogenetics Center, Los Angeles, CA, 3Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA

D103  Incidence of De Novo Donor Specific Antibodies and Treatment Response for AMR in Pediatric Kidney Transplant Recipients  
S. Gattis1, R. Liverman1, A. Serlucot1, J. Yin1, H. C. Sullivan2, R. A. Bray3, H. M. Gebel4, S. Jernigan4, R. George4, P. D. Winterberg1, R. Garro1, 1Children’s Healthcare of Atlanta, Atlanta, GA, 2Department of Pathology and Laboratory Medicine, Emory University Hospital, Atlanta, GA, 3Emory University Hospital, Atlanta, GA, 4Department of Pediatrics, Emory University School of Medicine, Atlanta, GA

D104  Evaluation Of Complement-related Factors In Tma Post-kidney Transplantation: A Retrospective Multicenter Study  
N. Fujiyama1, M. Tasaki2, H. Harada3, K. Tsutahara4, A. Matsumoto6, Y. Harah, M. Okumi7, K. Saito2, Y. Watara8, N. Inoue9, N. Wakamiya10, S. Satoh1, 1Center for Kidney Disease and Transplantation, Akita University Hospital, Akita, Japan, 2Department of Urology, Niigata University, Niigata, Japan, 3Kidney Transplant Surgery, Sapporo City General Hospital, Sapporo, Japan, 4Department of Urology, Osaka General Medical Center, Osaka, Japan, 5Department of Urology, The University of Tokyo, Tokyo, Japan, 6Department of Nephrology, Shinsyu University Hospital, Shinsyu, Japan, 7Department of Urology, Tokyo Women’s Medical University, Tokyo, Japan, 8Department of Transplant Surgery, Nagoya Daini Red Cross Hospital, Nagoya, Japan, 9The Japanese Association for Complement Research, Osaka, Japan

D105  Infectious Complications after Treatment of Antibody-Mediated Kidney Allograft Rejection: A National Cohort Study  
N. Perrottet1, D. Golshayan2, O. Manuel2, V. Aubert2, M. Koller3, K. Hadaya4, L. Bühlert5, T. Mueller5, U. Huynh-Do5, S. Dahdah6, I. Binet6, M. Dickenmann3, S. Schaub3, J. Steiger3, M. Fernandez-Ruiz2, 1Pharmacy, CHUV, Lausanne, Switzerland, 2CHUV, Lausanne, Switzerland, 3USB, Basel, Switzerland, 4HUG, Geneva, Switzerland, 5USZ, Zurich, Switzerland, 6Inselspital, Bern, Switzerland, 7KSSG, St. Gallen, Switzerland

D106  Outcomes Of Treatment Of Late Vs Early Acute Antibody-mediated Rejection In Renal Transplant Recipients - A Single Center Experience  
R. Prashar, N. Sulejmani, A. Patel, Henry Ford Transplant Institute, Detroit, MI
D107 Immediate Post Reperfusion In Vivo Transcriptional Responses of Individual Human Renal Allograft Cell Populations to Circulating Anti-Angiotensin II Type I Receptor Antibody
C. M. Castro-Rojas1, N. Salomonis2, K. Chetal2, R. R. Alloway2, E. Woodle3, D. A. Hildeman1, 1Immunobiology, Cincinnati Children’s Hospital, Cincinnati, OH, 2Biomedical Informatics, Cincinnati Children’s Hospital, Cincinnati, OH, 3Transplantation, University of Cincinnati College of Medicine, Cincinnati, OH

D108 Adjunctive Therapy With Tocilizumab For Treatment Of Acute Antibody Mediated Rejection - 2 Year Experience
K. Venkatachalam, R. Delos Santos, B. Heady, A. Malone, T. Alhamad, Washington University, St. Louis, MO

D109 Do Outcomes Differ in Glomerulitis Predominant Antibody Mediated Rejection and Peritubular capillaritis Predominant Antibody Mediated Rejection?
S. Sethi1, J. Hou2, M. Lin2, Y. Ren2, A. Peng1, R. Najjar1, A. Vo1, S. Jordan1, M. Haas2, E. Huang1, 1Comprehensive Transplant Center, Cedars Sinai Medical Center, Los Angeles, CA, 2Pathology, Cedars Sinai Medical Center, Los Angeles, CA

D110 Peritubular Capillary C4d Positivity in Renal Allograft Biopsies: Implications for Allograft Survival
A. Bailey, S. Tremblay, A. R. Shields, J. Wang, R. Alloway, E. S. Woodle, Transplant Surgery, University of Cincinnati, Cincinnati, OH

D111 Donor-Derived Cell-Free DNA (dd-cfDNA) Course after Rejection in Pediatric Kidney Transplant Recipients
R. D. Swinford1, A. M. De Golovine1, C. Bell1, A. Pai1, A. R. Edwards1, S. Connor2, J. S. Bynon1, 1Pediatrics, UTHealth, McGovern Medical School, University of Texas at Houston, Houston, TX, 2Transplantation, Memorial Hermann Hospital, Houston, TX

D112 Use of Eculizumab for Active Antibody-Mediated Rejection That Occurs Early Post-Kidney Transplantation: A Consecutive Series of 15 Cases
E. Tan1, B. J. Andrew2, P. G. Dean2, M. F. Shaheen1, M. D. Stegall1, C. A. Schinstock2, 1Division of Transplantation Surgery, Mayo Clinic Rochester, Rochester, MN, 2The William J von Liebig Center for Transplantation and Clinical Regeneration, Mayo Clinic Rochester, Rochester, MN

D113 Is HLA Donor-Specific Antibody (DSA)-C3d+ Assay a Potential Predictor of Subclinical Antibody Mediated Damage in the Renal Graft?
A. G. Contreras1, M. I. Solis-G1, C. Ramirez-Espinoza1, J. Hernandez-Rosales2, M. Vilatoba-Chapa1, R. Cruz-Martinez1, J. Granados1, L. E. Morales-Buenrostro1, J. Alberu1, J. M. Arreola-Guerra4, 1Transplantation, Instituto Nacional de Ciencias Medicas y Nutricion SZ, Mexico City, Mexico, 2Department of Histocompatibility, Laboratorio Clinico del Campestre, Mexico City, Mexico, 3Nephrology-Mineral Metabolism, Instituto Nacional de Ciencias Medicas y Nutricion SZ, Mexico City, Mexico, 4Internal Medicine, Centenario Hospital Miguel Hidalgo, Mexico City, Mexico

D114 Induction Therapy Modulated by the Absence of Preformed Donor-Specific Antibodies (DSAS) Regardless of the Level of Sensitization
D115 † Peri-Operative Basiliximab Is Not Associated with Post-Transplant Hepatocellular Carcinoma Recurrence in Liver Transplant Recipients
D. Salerno¹, N. Lange¹, E. Simoneau², C. Sammons³, D. Bley¹, R. S. Brown Jr¹, J. Emond², K. Halazun⁶, ¹Pharmacy, NewYork-Presbyterian Hospital, New York, NY, ²Surgery, Columbia University Irving Medical Center, New York, NY, ³Pharmacy, Hospital of the University of Pennsylvania, Philadelphia, PA, ⁴Medicine, Weill Cornell Medicine, New York, NY, ⁵Surgery, Weill Cornell Medicine, New York, NY

D116 † Long Term Outcomes of Patients Transplanted for Hepatocellular Carcinoma with Human Immunodeficiency Virus Infection

D117 Outcomes of Liver Transplantation for Hepatocellular Carcinoma in Septuagenarians
M. Najjar¹, K. Bruestle¹, P. Jiang¹, E. Lieberman¹, R. Hwang¹, A. Mathur¹, E. C. Verna¹, A. Griesemer¹, B. Samstein², T. Kato¹, Y. M. Saenger¹, K. J. Halazun², J. C. Emond¹, ¹Columbia University Medical Center, New York, NY, ²Weill Cornell Medicine, New York, NY

D118 † Policy Changes in Liver Graft Allocation for Hepatocellular Carcinoma in the USA: Improved Survival for African American Recipients
M. Molinari¹, D. Jorgensen¹, A. Tevar¹, C. Hughes¹, A. Humar¹, N. Jonassaint², ¹Surgery, University of Pittsburgh Medical Centre, Pittsburgh, PA, ²Medicine, University of Pittsburgh Medical Centre, Pittsburgh, PA

D119 Long Term Impact of Intraoperative Autologous Blood Transfusion on HCC Recurrence in Liver Transplantation
G. Kelly¹, J. L. Pasko², E. Dewey², E. Maynard¹, S. L. Orloff¹, C. Enestvedt¹, ¹Division of Abdominal Transplant, OHSU, Portland, OR, ²Department of General Surgery, OHSU, Portland, OR

D120 Outcome Of Living Donor Liver Transplantation In Elderly Patients >65 Years With And Without Hepatocellular Carcinomas: A Retrospective Analysis
A. Thorat¹, L. Jeng, S. Hsu, H. Yang, C. Yeh, T. Chen, K. Poon, P. Li, Organ Transplantation Center, China Medical University Hospital, Taichung, Taiwan

D121 Favorable Outcome of Pathologic Downstaging by Locoregional Treatment for Hepatocellular Carcinoma in Liver Transplantation
D. Kim, J. Lee, S. Kim, K. In, D. Joo, S. Kim, M. Kim, Severance hospital, Seoul, Korea, Republic of

D122 Tumor Necrosis as a Result to Pre-Transplant Bridging Treatment for Hepatocellular Carcinoma and Its Effect on Post-Transplant Outcome
S. Radunz¹, A. Kirschner¹, J. M. Theysohn², C. Schotten³, T. Benkó¹, ¹General, Visceral and Transplant Surgery, University Hospital Essen, Essen, Germany, ²Diagnostic and Interventional Radiology and Neuroradiology, University Hospital Essen, Essen, Germany, ³Gastroenterology and Hepatology, University Hospital Essen, Essen, Germany

D123 Resource Utilization in Hepatocellular Carcinoma Liver Transplantation before and after the Six Month Wait Time
J. Sokolich¹, V. McClellan², J. Buggs¹, E. Rogers¹, K. Barber¹, K. Cocy¹, A. Kumar², ¹Tampa General Hospital, Tampa, FL, ²University of South Florida, Tampa, FL

D124 Hepatocellular Carcinoma in Fontan Liver Disease
V. Lamm¹, J. Wedd², C. Haydek², C. Obineme², A. Noll², H. Veeramachaneni², M. Muftah², R. Ford², ¹Internal Medicine, Emory, Atlanta, GA, ²Emory, Atlanta, GA
### Poster Session D: Liver: Immunosuppression and Rejection

<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
<th>Affiliations</th>
</tr>
</thead>
<tbody>
<tr>
<td>D125</td>
<td>Clinical Presentation After Hepatitis B Recurrence In Liver Transplant Patients</td>
<td>W. Lee, C. Cheng, T. Wu, Y. Wang, C. Lee, T. Wu, H. Chou, K. Chan</td>
<td>Chang-Gung Hospital, Taoyuan, Taiwan</td>
</tr>
<tr>
<td>D126</td>
<td>Rituximab Desensitization to Liver Transplantaiton Recipients with Preformed Donor Specific Antibodies to Prevent Antibody Mediated Rejection</td>
<td>Y. Oguna, M. Shizuku, N. Kurata, K. Jobara, H. Kamei</td>
<td>Transplantation Surgery, Nagoya University Hospital, Nagoya City, Japan</td>
</tr>
<tr>
<td>D127</td>
<td>Donor Lymphocyte Chimerism and Homozygosity Are Critical Indicators for Timely and Accurate Diagnosis of Acute Graft vs. Host Disease after Liver Transplantation</td>
<td>A. Zhang, B. Eghtesad</td>
<td>Cleveland Clinic Foundation, Cleveland, OH</td>
</tr>
<tr>
<td>D128</td>
<td>High Prevalence of De Novo Donor-Specific Antibodies during Rejection after Liver Transplantation</td>
<td>J. Colmenero, N. Flores, A. Diaz, M. Vasquez, P. Ruiz, G. Crespo, J. Martorell, M. Navasa</td>
<td>Liver Transplant Unit, Hospital Clinic Barcelona, Barcelona, Spain</td>
</tr>
<tr>
<td>D129</td>
<td>Nivolumab-Induced Rejection of a Liver Allograft: PD-1 Inhibition Thwarts Liver Allograft Resistance to Humoral Rejection</td>
<td>B. T. Lee, H. Han, S. Chopra, J. Ahearn, A. J. Ahearn</td>
<td>Surgery, USC Keck School of Medicine, Los Angeles, CA</td>
</tr>
<tr>
<td>D130</td>
<td>Immunologic Impact Of Native Kidney Function On Liver Transplant Patients</td>
<td>M. Mujtaba, S. Merwat, J. Fair, M. Bilal, A. Chatila, R. Kulkarni, J. Zou, S. Hussain, A. Gamilla-Crudo</td>
<td>Univ. of Texas Medical Branch, Galveston, TX</td>
</tr>
<tr>
<td>D131</td>
<td>Fatal Graft versus Host Disease in Liver Transplantation. An Analysis of UNOS Registry</td>
<td>S. Nagai, A. Yoshida, R. Salgia, M. Aboulijoud, D. Moonka</td>
<td>Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI, Gastroenterology, Henry Ford Hospital, Detroit, MI</td>
</tr>
<tr>
<td>D134</td>
<td>Karnofsky Performance Score as a Predictor of Acute Cellular Rejection Post Liver Transplantation</td>
<td>N. Kapila, K. Al Khalloufi, F. Salomon, K. Kapila, A. Gupta, X. B. Zervos</td>
<td>Gastroenterology and Hepatology, Cleveland Clinic Florida, Weston, FL, Transplant, Cleveland Clinic Florida, Weston, FL, Internal Medicine, Cleveland Clinic Florida, Weston, FL, Internal Medicine, University of Miami/JFK Medical Center, Atlantis, FL</td>
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<tr>
<td>D135</td>
<td>Discovery and Validation of Blood Genomic Signatures of Acute Rejection in Liver Transplant Recipients</td>
<td>J. Levitsky, N. Bridges, J. Odim, M. Brown, D. Ikle, B. Armstrong, A. Demetris, S. Asran, G. Klintmalm, T. Schiano, A. Moss, K. Chavin, C. Miller, M. Kandpal, L. Zhao, S. Kurian, M. Abecassis, Div of Gastroenterology &amp; Comprehensive Tx Cnt, Chicago, IL, NIAID, Bethesda, MD, Rho, Chapel Hill, NC, UPMC, Pittsburgh, PA, Baylor, Dallas, TX, Mount Sinai, New York, NY, Mayo Arizona, Phoenix, AZ, Case Western, Cleveland, OH, Cleveland Clinic, Cleveland, OH, Comprehensive Transplant Center, Chicago, IL, Scripps, San Diego, CA</td>
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D137  Leukopenia at the Time of Liver Transplantation: Medication Tolerance and Clinical Outcomes
E. Tiao¹, J. Casale¹, J. LaMattina², S. Hammad¹, ¹Pharmacy, University of Maryland Medical Center, Baltimore, MD, ²Surgery, University of Maryland School of Medicine, Baltimore, MD

D138  Early Everolimus Conversion For Renal Protection In Liver Transplantation: The Sooner The Better?
M. Tomeczkowicz, N. Sulejmani, A. Jantz, B. Summers, T. Larson, R. Salgia, Henry Ford Health System, Detroit, MI

D139  Immunologic Outcomes In Recipients Of Orthotopic Liver Transplant Induced Only With Steroids
S. N. Merwat, A. T. Chatila, M. Bilal, R. Kulkarni, H. L. Stevenson, J. H. Fair, S. K. Merwat, T. Kozlowski, M. A. Mujtaba, The University of Texas Medical Branch, Galveston, TX

D140  Anti-CD272 Antibody (6B2) Induced Indefinite Survival of Fully MHC-Mismatched Murine Cardiac Allograft
E. Yin, M. Uchiyama, Y. Yamamoto, M. Niimi, Teikyo University, Tokyo, Japan

D141  Gene Expression Profiles in CD8+ T Cells in Chronic Antibody-Mediated Rejection (CAMR) of Kidney Transplantation
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D142  Sphingosine 1-Phosphate Receptors and CCR7 Sequentially Coordinate T Cell Migration
Y. Xiong¹, W. Piao¹, C. Brinkman¹, J. Kulinski², A. Olivera³, A. Cartier⁴, T. Hla⁴, K. Hippen⁵, B. Blazar⁶, S. Schwab⁶, J. Bromberg¹, ¹Surgery, UMB, Baltimore, MD, ²NIH, Bethesda, MD, ³Boston Children’s hospital, Boston, MA, ⁴Boston Children’s hospital, Boston, MD, ⁵U.Minnesota, Minneapolis, MN, ⁶NYU, NY

D143  Thymoglobulin Induction with Tacrolimus and Everolimus Maintenance Therapy in Elderly Kidney Transplantation Results in Prolonged Lymphocyte Depletion and Do Not Favor Regulatory Profile
E. David-Neto¹, G. Ramos de Freitas¹, M. Fernandes¹, F. Agena¹, F. Brambate Carvalhinho Lemos¹, F. Jota de Paula¹, V. Coelho², N. Zocoler Galante¹, ¹Renal Transplantation Service, Hospital das Clínicas - University of São Paulo School of Medicine, Sao Paulo, Brazil, ²Laboratory of Immunology – LIM 19, Heart Institute - University of São Paulo School of Medicine, Sao Paulo, Brazil

D144  Inhibition of Th1 and Th17 Cell Differentiation and Prolonged Graft Survival through NFAT Pathway Downregulation
C. Dai¹, R. Tan¹, B. Yang¹, J. Markmann², D. Chen¹, L. Wei¹, Z. Chen¹, ¹Institute of Organ Transplantation, Wuhan, China, ²Division of Transplantation, Boston, American Samoa

D145  Examination of a Novel Immunoregulatory Marker in Kidney and Lung Transplant Recipients
A. D. Desai¹, G. J. Kavalam², A. Chandraker², S. Tripathi², ¹Harvard Summer Research Program for Kidney Medicine, Harvard Medical School., Boston, MA, ²Schuster Family Transplantation Research Center, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA
D146 Peripheral Blood Regulatory T Cells In The Follow In The Kidney-transplant Patients
M. A. Carmona-Escamilla¹, G. Queipo², L. A. Garcia-Mosqueda³, R. Lascurain⁴, ¹Nephrology, Pemex, CDMX, Mexico, ²Genetics, Hospital General, CDMX, Mexico, ³UNAM, CDMX, Mexico, ⁴Inmunologia, UNAM, CDMX, Mexico

D147 A Mouse Model of Vascularized Heterotopic Spleen Transplantation for Studying Lymphocyte Biology and Transplant Immunity
L. Qiu¹, J. Wang², R. Fernandez³, X. Yeap¹, S. Han¹, F. Zheng¹, C. Lin², Z. J. Zhang¹, ¹Comprehensive Transplant Center, Department of Surgery, Northwestern University, Chicago, IL, ²Northwestern University, Chicago, IL, ³Department of Surgery, Northwestern University, Chicago, IL

D148 Treg Lymphotoxin and Lymphatic Endothelial Cell Lymphotoxin Receptor Interactions Are Required for Treg Stability and Allograft Protection
V. Saxena, W. Piao, L. Li, C. M. Palusckievicz, Y. Xiong, T. Simon, J. S. Bromberg, U Maryland, Baltimore, MD

D149 Phenotypic and Functional Analysis of Non-Activated and Allo-Activated Eomesodermin+ CD8+ T Cells in Humans and Nonhuman Primates
A. Perez Gutierrez¹, A. W. Thomson², D. M. Metes², M. B. Ezzelarab², ¹Transplantation Institute, University of Chicago Medicine, Chicago, IL, ²Starzl Transplantation Institute, University of Pittsburgh, Pittsburgh, PA

D150 † CD4 T Cell is Essential in an Innate-Immune Driven Ischemia-Reperfusion Injury in Mouse and Human
S. Kageyama¹, K. Kadono¹, H. Hirao¹, K. Nakamura¹, T. Itō², K. J. Dery¹, D. Oncel¹, R. A. Sosa³, E. F. Reed³, F. M. Kaldas³, R. W. Busuttil², J. W. Kupiec-Weglinski¹, Y. Zhai³, ¹Surgery, Dumont-UCLA Transplant Center, Los Angeles, CA, ²Surgery, Ronald Reagan UCLA Medical Center, Los Angeles, CA, ³Pathology and Laboratory Medicine, David Geffen School of Medicine at University of California, Los Angeles, CA

D151 † A Regulatory T Cell-Intrinsic Role for Ikaros in Acquired Transplant Tolerance

D152 † Rcor1 and Regulation of Foxp3+ T-Regulatory Cells In Vitro and In Vivo
Y. Xiong, L. Wang, R. Han, W. W. Hancock, Children’s Hospital of Philadelphia, Philadelphia, PA

D153 Cd45rb Mediates Cd8+ T Cell Persistence In An Allogeneic Heterologous Immune Response
S. M. Krummey, A. B. Morris, M. L. Ford, Emory Transplant Center, Atlanta, GA

D154 Evaluating Allo-Specific CD57+ T Cells during Memory and Proliferative Responses
A. Lucander, H. Xu, A. Kirk, Department of Surgery, Duke University, Durham, NC

D155 High-Throughput Immune Synapse Detection as a Tool for the Measurement of T Cell Alloreactivity
S. Moshkelgosha, S. C. Juvet, UHN, Toronto, ON, Canada

D156 IL-10+ Plasma Cells Are Not Required for Breg Activity and Are Counterbalanced by Novel Pro-Inflammatory Plasma Cells
Q. Ding, Y. Zhou, Z. Song, L. Zeng, D. Rothstein, University of Pittsburgh, Pittsburgh, PA

D157 EBV+ PTLD Cell Lines Secrete Exosomes Containing microRNAs That Alter Immune Responses
S. Syed, E. Maloney, A. Hui, O. Martinez, S. Krams, Stanford Univ School of Med, Stanford, CA

D158 IFNAR Signaling Augments Plasmacytoid Dendritic Cell Activation during Costimulation Independent Rejection
J. Habib, D. Mathews, Y. Dong, A. Stephenson, A. Ghosh, C. Breeden, A. Adams, Surgery, Emory University, Atlanta, GA
D159  S1PR1 and S1PR4 Regulate T Cell Migration into Afferent Lymphatics
Y. Xiong1, W. Piao1, C. Brinkman1, L. Li1, J. Kulinski2, A. Olivera2, A. Cartier2, T. Hla3, K. Hippen3, B. Blazar3, S. Schwab4, J. Bromberg1, 1Surgery, UMB, Baltimore, MD, 2NIH, Bethesda, MD, 3Boston Children’s hospital, Boston, MA, 4Boston Children’s, Boston, MA, 5U.Minnesota, Minneapolis, MN, 6U.Minnesota, Minneapolis, MD, 7NYU, NY, NY

D160  Laminin Dependent T Cell Migration Determines Allograft Survival
L. Li, M. Shirkey, W. Piao, Y. Xiong, V. Saxena, T. Zhang, B. M. Cerel, C. Paluskievicz, J. S. Bromberg, Surgery, U. Maryland, Baltimore, Baltimore, MD

D161  Novel Role of Qa-1-Restricted Immunoregulation in Murine Cardiac Transplantation
J. Y. Choi1, S. K. Eskandari1, J. Assaker1, I. Sulkaj1, S. Cai1, H. Allos1, M. Uehara1, M. Mohammad1, B. S. Al Dulaijan1, A. Bano1, E. Al Huassain1, H. I. Cantor2, J. R. Azzi1, 1Medicine, Brigham and Women’s Hospital, Boston, MA, 2Dana-Farbar Cancer Institute, Boston, MA

D162  In Vivo Treg Expansion under Costimulation Blockade Targets Early Rejection and Improves Long-Term Outcome
C. Schwarz1, B. Mahr2, L. Unger1, N. Pilat2, H. Regele2, T. Wekerle2, 1Dept. of Surg. / Div. of Transplantation, Medical University Vienna, Vienna, Austria, 2Dept. of Surg. / Section of Transplantation Immunology, Medical University Vienna, Vienna, Austria, 3Clinical Institute of Pathology, Medical University Vienna, Vienna, Austria

D163  The Adapter Protein TSAd Regulates Mitochondrial Lck Activity and is Potent to Enhance Immunoregulation Following Transplantation
J. Wedel1, M. P. Stack1, T. Seto1, K. Liu1, I. E. Stillman2, D. M. Briscoe1, 1Transplant Research Program, Boston Children’s Hospital, Harvard Medical School, Boston, MA, 2Department of Pathology, Beth Israel Deaconess Center, Harvard Medical School, Boston, MA

D164  Novel In Vitro Germinal Center Culture System Demonstrates More Aggressive B Cell to Plasma Blast Differentiation in Allosensitized Nonhuman Primates
P. Schroder, J. Yoon, R. Schmitz, Z. Fitch, J. Kwun, S. J. Knechtle, Department of Surgery, Duke University Medical Center, Durham, NC

D165  The Immunomodulatory Role of Type I Interferons in Alloimmunity
I. Sulkaj, H. Allos, S. K. Eskandari, J. M. Safadi, J. Y. Choi, B. S. Al Dulaijan, E. Al Hussain, S. Cai, J. R. Azzi, Medicine, Brigham and Women’s Hospital, Boston, MA

D166  Prolonged Cold Ischemic Storage Induces Allograft Necro-Inflammation That Increases Graft Susceptibility to T Cell Mediated Rejection
N. Chun1, R. Ang1, J. Horwitz1, R. Fairchild2, W. Baldwin III2, A. Ting1, P. S. Heeger1, 1Icahn School of Medicine at Mount Sinai, New York, NY, 2Cleveland Clinic, Cleveland, OH

D167  Early T Cell Infiltration is Modulated by PD-1/PD-L1 Interactions in Kidney Graft
Y. Shim, R. Fan, N. Dvorina, W. Baldwin, Inflammation and Immunity, Lerner Research Institute, Cleveland, OH

Poster Session D: Non-Organ Specific: Disparities to Outcome and Access to Healthcare

D168  The Role of Non-Traditional Environmental Factors in Long-Term Outcomes of Liver Transplantation
J. Buggs1, D. Patino2, B. Evans1, C. Anderson1, C. Delfavero1, E. Rogers1, A. Alsina1, A. Kumar3, 1Tampa General Hospital, Tampa, FL, 2University of Tampa, Tampa, FL, 3University of South Florida, Tampa, FL
D169  A Video Intervention to Increase Organ Donor Registration (ODR) at the Department of Motorized Vehicles (DMV)
D. A. DuBay1, T. Morinelli1, D. Redden2, N. Ivankova3, I. Herbery4, C. L. Holt5, L. Siminoff6, M. Fouad2, Z. Su6, M. Martin7, 1Surgery, Medical University of South Carolina, Charleston, SC, 2University of Alabama at Birmingham, Birmingham, AL, 3Surgery, University of Alabama at Birmingham, Birmingham, AL, 4University of Maryland, College Park, MD, 5Temple University, Philadelphia, PA, 6Medical University of South Carolina, Charleston, SC, 7University of Tennessee Health Sciences Center, Memphis, TN

D170  Kidney Transplant Outcomes in Recipients with Physical Impairments
A. G. Thomas1, J. Ruck2, N. Chu2, D. Agoons2, A. Shaffer2, C. Haugen2, H. Ying2, B. Swenor2, S. Norman3, J. Garonzik-Wang2, D. Segev2, M. McAdams-DeMarco2, 1Epidemiology, UNC Chapel Hill, Chapel Hill, NC, 2Johns Hopkins University, Baltimore, MD, 3University of Michigan, Ann Arbor, MI

D171  BK Virus Infection Disparity between Black and Other Races; Do Not Blame the Mycophenolic Acid
N. Raj1, R. Spong1, S. Jackson2, V. Vakil1, D. Keys1, E. Finger3, S. Riad1, 1Medicine, University of Minnesota, Minneapolis, MN, 2Complex Care Analytics, Fairview Health Services, Minneapolis, MN, 3Surgery, University of Minnesota, Minneapolis, MN

D172  The C-Statistic Provides No Information on the Accuracy of Program Evaluations or the Presence of Unmeasured Confounders
A. Wey, N. Salkowski, B. Kasiske, M. Skeans, S. Gustafson, A. Israni, J. Snyder, SRTR, Minneapolis, MN

D173  Modeling Multiple Registrations and the Impact at the National and Regional Scale
C. Harvey, R. Weigel, Computational Science and Informatics, George Mason University, Fairfax, VA

D174  Waitlisted for Lung Transplant and the Role of Patient Travel Distance: A National Cohort Study
W. Tsuang, S. Arrigain, R. Lopez, M. Snair, K. McCurry, M. Budev, J. Schold, Cleveland Clinic, Cleveland, OH

H. Bruschwein1, V. Andersen1, H. Patel2, S. S. Rogal3, J. N. Fleming4, 1University of Virginia, Charlottesville, VA, 2University of North Carolina, Chapel Hill, NC, 3University of Pittsburgh, Pittsburgh, PA, 4Medical University of South Carolina, Charleston, SC

D176  Access to Deceased Donor Liver Transplant for Candidates in Hawaii and Puerto Rico
A. M. Robinson1, I. K. Kim2, A. K. Mathur3, S. E. Rosas4, 1United Network for Organ Sharing, Richmond, VA, 2Cedars-Sinai Medical Center, Los Angeles, CA, 3Mayo Clinic Arizona, Phoenix, AZ, 4Joslin Diabetes Center, Harvard Medical School, Boston, MA

D177  Racial and Ethnic Differences in Physician Trust and Hypertension Treatment Adherence among Living Kidney Donors in the United States
J. S. Wilson Jr1, L. Cooper2, M. Johnson2, M. Waldram2, Y. Yu3, J. Perkins2, D. Crews2, N. Lacy2, M. Henderson2, A. Massie2, K. Lentine4, D. Segev2, T. Purnell2, 1Williams College, Williamstown, MA, 2Johns Hopkins University, Baltimore, MD, 3North Carolina State University, Raleigh, NC, 4St. Louis University, St. Louis, MO

D178  † Patterns of Emergency Department (ED) Utilization between Transplant and Non-Transplant Centers and Impact on Clinical Outcomes in Kidney Recipients
D179  Timing Matters: Improving Prediction of Hospital Readmission Post Kidney Transplantation
J. Hogan¹, M. Arenson¹, S. Adhikary², K. Li³, X. Zhang³, R. Zhang³, J. Valdez³, J. Sun³, A. B. Adams¹, R. E. Patzer¹,
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D180  The Association of Health Literacy with Physical and Mental Health-Related Quality of Life in Organ Transplant Candidates
K. Chapin¹, S. Rega¹, L. Dageforde², D. Moore¹, M. Via¹, I. D. Feurer¹,
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D181  Developing a Patient Specific Search: Feedback from Kidney Transplant Candidates and Recipients
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D182  Variations in Recipient and Donor Clinical Characteristics between Kidney Transplant Centers
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⁴Department of Surgery, University of Minnesota, Minneapolis, MN,
⁵Department of Medicine, Hennepin Healthcare, Minneapolis, MN

D183  Excellent Outcomes in Liver Transplantation under Charity Care: An Opportunity to Mitigate Socio-Economic Disparities in Access to Transplantation
F. Paterno¹, J. Rosado¹, R. Olivo², S. Gavzy¹, L. Brown¹, D. Wilson¹, B. Koneru¹, N. Pyrsopoulos², J. V. Guarrera¹,
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D184  The Impact of Race on Metabolic, Graft and Patient Outcomes after Pancreatic Transplantation
V. S. Rohan, S. N. Nadig, J. Mcgillicuddy, V. Rao, D. Dubay, K. Soliman, P. Baliga, D. Taber,
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D185  Insurance Status Impacts Treatment for Hepatocellular Carcinoma
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D186  Gait Speed Predicts Kidney Transplant Candidate Mortality
M. N. Harhay¹, K. Ranganna¹, L. B. Levin Mizrahi¹, G. Xiao², G. Malat³, S. Guy², D. Reich², P. P. Reese³,
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³Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA

D187  Barriers to Kidney Transplant Wait Listing among HIV Positive Patients with Advanced Kidney Disease
S. M. Boyle¹, K. Fehr¹, C. Deering², A. Raza¹, M. Harhay¹, G. Malat³, K. Ranganna¹, D. Lee¹,
¹Drexel University, Philadelphia, PA,
²University of Toledo, Toledo, OH,
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D188 Lack of Linguistically and Culturally Tailored Initiatives in Kidney Transplant Programs in the United States
S. Carbunaru¹, A. Ortiz², C. Ortiz³, J. Ortiz³, J. Locke⁴, J. Caicedo¹
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D189 Kidney Transplantation after Sleeve Gastrectomy in the Morbidly Obese Candidate: Results of a Five-Year Experience
Y. Kim, A. J. Bailey, M. C. Morris, J. Hlavaty, M. C. Cuffe, E. S. Woodle, S. A. Shah, T. S. Diwan, Department of Surgery, University of Cincinnati, Cincinnati, OH

D190 Does Ethnicity Impact Elderly Kidney Transplant Recipient Outcomes?
I. Bajjoka, A. Yaldo, S. Serra, S. Foley, C. Crombez, M. Abouljoud, Henry Ford Transplant Institute, Detroit, MI

D191 Limited Accessibility of Kidney Transplantation in Rural Residents: A Nationwide Data of South Korea
J. Kim¹, K. Park¹, S. Park¹, M. Yu², Y. Kim¹, J. Jeong¹, K. Kim¹, M. Park², H. Lee¹, ¹Seoul National University Hospital, Seoul, Korea, Republic of, ²Hanyang University Guri Hospital, Gyeonggi-do, Korea, Republic of

D192 Impact Of Transplant Center And Regional Characteristics On Racial Disparities On Readmission After Kidney Transplantation
J. Hogan¹, K. Li¹, R. Zhang¹, J. Sun², A. B. Adams¹, R. E. Patzer¹, ¹Transplant Research Center, Department of Surgery, Emory University, ATLANTA, GA, ²College of Computing, Georgia Technology Institute, ATLANTA, GA

Poster Session D: Non-Organ Specific: Economics & Ethics

D193 Forensic Transplant Psychiatry: Ethical Issues and the Unique Assessment Needs of Candidates with Forensic Psychiatric Problems
D. Banayan, S. Gershan, Rush University Medical Center, Chicago, IL

D194 The Changing Paradigm of Ethics in Uterus Transplantation: A Systematic Review
L. M. Ngaage¹, S. Ike², A. Elegbede³, S. Gebran⁴, C. J. Vercler⁵, F. Liang⁶, E. M. Rada³, C. Cooney³, R. J. Redett⁶, Y. M. Rasko¹, ¹Division of Plastic Surgery, University of Maryland Medical Center, Baltimore, MD, ²London North West University Healthcare Trust, London, United Kingdom, ³Department of Plastic & Reconstructive Surgery, Johns Hopkins Hospital / University of Maryland Medical Center, Baltimore, MD, ⁴Division of Plastic & Reconstructive Surgery, R Adams Cowley Shock Trauma Center, Baltimore, MD, ⁵Plastic Surgery Section, University of Michigan, Ann Arbor, MI

D195 Barriers to Listing for Kidney Transplantation in LMICs: A Single Center Retrospective Cohort Study in Brazil
Y. Yu¹, G. Ferreira², A. Saha¹, M. Henderson¹, D. Segev¹, J. Bastos², V. Colares², A. Massie¹, ¹Department of Surgery, Johns Hopkins School of Medicine, Baltimore, MD, ²Santa Casa de Misericordia de Juiz de Fora, Juiz de Fora, Brazil

D196 Economic Evaluation of Kidney Transplantation in the Elderly Stratified by Donor Quality
M. Kadatz¹, S. Klarenbach², J. S. Gill¹, J. Gill¹, ¹Nephrology, University of British Columbia, Vancouver, BC, Canada, ²Nephrology, University of Alberta, Edmonton, AB, Canada

D197 Costs In Contemporary Transplant Practice
M. Wyld, T. Ying, K. Wyburn, S. Chadban, Renal Department, Royal Prince Alfred Hospital, Camperdown, Australia
A. Yaldo, I. Bajjoka, C. Crombez, M. Abouljoud, Henry Ford Transplant Institute, Detroit, MI

J. F. Renz, A. C. Gruessner, R. C. Misawa, A. Masi, R. W. Gruessner, SUNY Downstate Medical Center, Brooklyn, NY

D200 Cost-Effectiveness Analysis of Renal Replacement Therapy Strategies in Haiti
J. S. Pyda¹, L. James², J. J. Kim², K. Khwaia¹, M. Shrim³, ¹Department of Surgery, Beth Israel Deaconess Medical Center, Boston, MA, ²Center for Health Decision Science, Harvard T.H. Chan School of Public Health, Boston, MA, ³Program in Global Surgery and Social Change, Harvard Medical School, Boston, MA

D201 Healthcare Resource Utilization and Associated Costs of Cytomegalovirus Management among Solid Organ Transplant Recipients
W. Y. Cheng¹, P. Thompson-Leduc¹, H. Cheung¹, R. Avery², T. Bo³, S. Chavan³, M. Duh¹, I. Hirji³, ¹Analysis Group, Inc., Boston, MA, ²Johns Hopkins University, Baltimore, MD, ³Shire, Cambridge, MA

D202 High Health Care Utilizers in Kidney Transplantation: Do You Know Your Frequent Flyers?
E. Weeda¹, Z. Su³, D. Taber³, J. Bian², T. A. Mauldin³, N. A. Pilch³, P. D. Mauldin², D. A. DuBay⁴, ¹Department of Clinical Pharmacy and Outcomes Sciences, Medical University of South Carolina, Charleston, SC, ²General Internal Medicine and Geriatrics, Medical University of South Carolina, Charleston, SC, ³Surgery and Ralph H. Johnson VAMC, Medical University of South Carolina, Charleston, SC, ⁴Surgery, Medical University of South Carolina, Charleston, SC, ⁵Clinical Pharmacy and Outcomes Sciences, Medical University of South Carolina, Charleston, SC

D203 The Use of Focus Groups to Explore the Public Attitudes on the Use of Imminent Death Donation
P. Moolchandani¹, R. Ackah², L. Washburn¹, D. O’Connor¹, E. L. Godfrey¹, T. Galván¹, A. Rana¹, J. A. Goss¹, ¹Division Of Abdominal Transplantation, Michael E. DeBakey Department Of Surgery, Baylor College of Medicine, Houston, TX, ²Department of Surgery, Ohio State University, Columbus, OH

D204 A Financial Analysis of Elderly Kidney Transplant Recipients
A. Yaldo, I. Bajjoka, C. Crombez, M. Abouljoud, Henry Ford Transplant Institute, Detroit, MI

Poster Session D: Non-Organ Specific: Pharmacogenomics / Pharmacokinetics

D205 Gut Microbiota May Affect a Variability of Tacrolimus Trough Levels in Kidney Transplant Recipients
J. Kim¹, H. Cho², J. Park³, M. Kwak⁴, B. Kim⁵, J. Lee⁵, D. Kim⁵, B. Kim⁵, Y. Kim¹, H. Lee¹, ¹Seoul National University Hospital, Seoul, Korea, Republic of, ²Chungbuk National University Hospital, Cheongju, Korea, Republic of, ³Kangwon National University Hospital, Chunchon, Korea, Republic of, ⁴Chunlab Inc., Seoul, Korea, Republic of, ⁵Seoul National University Boramae Hospital, Seoul, Korea, Republic of, ⁶Hallym University, Chuncheon, Korea, Republic of

D206 Time to First Therapeutic Tacrolimus Trough in Kidney Transplant Recipients: A Comparison of a Weight Based versus a Non-Weight Based Dosing Strategy
M. Chunduru, K. Schnelle, S. Zhao, L. Wei, R. Daloul, Ohio State Wexner Medical Center, Columbus, OH
D207 The Reduced Tacrolimus Metabolism Rate and Its Association with Estimated Glomerular Filtration Rate and Interstitial Fibrosis: A Study Using Korean Organ Transplantation Registry (KOTRY) Dataset

J. Jeong, H. Ro, T. Koo, J. Yang, M. Kim, S. Shin, J. Park, T. Ban, S. Han, T. Kim, C. Ahn, Ajou University School of Medicine, Suwon, Korea, Republic of, Gachon University, Incheon, Korea, Republic of, Seoul National University Hospital, Seoul, Korea, Republic of, Yonsei University College of Medicine, Seoul, Korea, Republic of, Asan Medical Center, Seoul, Korea, Republic of, Samsung Medical Center, Seoul, Korea, Republic of, Seoul St Mary's Hospital, Seoul, Korea, Republic of, Keimyung University School of Medicine, Daegu, Korea, Republic of, Inje University, Busan Paik Hospital, Busan, Korea, Republic of, Seoul National University College of Medicine, Seoul, Korea, Republic of

D208 mTOR Inhibitors Associated with Higher Cardiovascular Adverse Events - A Large Population Database Analysis

V. N. Nguyen, R. Abagyan, S. Tsunoda, UC San Diego Health, San Diego, CA, Skaggs School of Pharmacy and Pharmaceutical Sciences, San Diego, CA

D209 Impact of Everolimus Therapy on HIV Persistence and Gene Expression in Transplant Patients

A. Zarinsefat, C. Schreiner, C. Cameron, S. Chu, M. P. Busch, T. Liegler, S. G. Deeks, T. J. Henrich, P. G. Stock, UC San Francisco, San Francisco, CA, Case Western Reserve University, Cleveland, OH

D210 Evaluation of Mycophenolate Mofetil Exposure in Renal Transplant Recipients

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D211 Safety and Efficacy of Anti Xa Inhibitors Post-Transplant with Concomitant Calcineurin Inhibitors

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D212 † Apixaban Therapy Is Safe And Effective In Most Organ Transplant Populations

A. Brown, S. Palkimas, W. Ally, University of Virginia Health System, Charlottesville, VA

D213 The lncRNA-mRNA Co-Expression Analysis in Acetaminophen-Induced Liver Injury

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D214 Clinical Utility of a Pharmacogenomic Testing Tool among Kidney Transplant Recipients


D215 † CURATE.AI: Personalized Liver Transplant Tacrolimus Dosing


D216 Anti-Xa Level Monitoring for Treatment Dose Enoxaparin in Liver/Intestine Transplant Recipients

J. Sullivan, J. Jebrock, J. Revollo, M. Perez, J. Garcia, T. Beduschi, Jackson Memorial Hospital, Miami, FL


T. Pasley, A. Logan, A. Brueckner, L. Bowman, A. Silverman, A. Rumore, Tampa General Hospital, Tampa, FL
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D219 † Neighborhood Deprivation is Associated with Decreased Rates of Organ Donor Designation
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D220 Do Reimbursement Programs Increase The Number Of Living Organ Donations?
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D221 Specific Reasons for Public Health Service (PHS) Increased Risk (IR) Designation Had Little Influence on Doctors' Kidney Offer Acceptance Decisions in Controlled “Lab” Experiment
D. Stewart1, J. Rosendale1, H. McGehee1, J. Schold2, J. Lindemans3, J. Kessler4, C. Sullivan5, K. Mekeel6, R. Stratta6, R. Formica2, D. Klassen4, 1UNOS, Richmond, VA, 2CCF, Cleveland, OH, 3Duke, Durham, NC, 4Wharton, Philadelphia, PA, 5UCSD, San Diego, CA, 6Wake Forest, Winston-Salem, NC, 7Yale, New Haven, CT

D222 National Landscape of Donors Allocated through the Hope Act in the United States
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D223 Unfavorable Donor after Cardiac Death Characteristics in Lung Transplantation: An Analysis of the UNOS Registry
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D224 Different Options Available For Patients Registered In A Kidney Paired Donation (KPD) Program
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D225 Exploring Perceptions of Organ Procurement: Need for a Formal Medical Student Curriculum
L. Winer1, M. Vivero2, B. Scully3, A. Cortez1, A. Kassam1, J. Kuethe1, R. Nowygrod3, J. Emond3, R. C. Quillin III1, 1Surgery, University of Cincinnati, Cincinnati, OH, 2Surgery, Brigham and Women's Hospital, Boston, MA, 3Surgery, Columbia University, New York City, NY

D226 Modeling the Effect of Presumed Consent on Waitlist Candidate Quantities
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D227 A Collaborative AI Framework to Improve the MELD Exception Request Policy Process
A. M. Placona, S. M. Noreen, R. Carrico, Research, United Network for Organ Sharing, Henrico, VA
D228 Identifying the Proverbial “Needle in the Arm” with Natural Language Processing
G. R. Vece, J. Foutz, A. Placona,
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D229 Identifying Barriers to Organ Donation among Asians Americans
M. T. Li, G. C. Hillyer, S. Mohan,
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D230 A Pilot Study of Organ Donor Registration among Persons Living with HIV (PLWH)
D. Bhamidipati¹, P. Veldkamp², L. Despines¹, C. Sullivan², S. Stuart³,
D. McMahon², M. Depines¹, C. Sullivan³, S. Stuart³,
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D231 Lower Alcohol Taxes Are Associated with Increased Liver Transplant Listing
N. T. Shen¹, M. Raver¹, N. Hutchison¹,
A. Jesudian¹, J. Bray², B. Schackman³,
R. S. Brown¹, 'Medicine; Division of Gastroenterology and Hepatology, New York Presbyterian Hospital - Weill Cornell, New York, NY, 'Economics, University of North Carolina at Greensboro, NC, 'Healthcare Policy and Research, Weill Cornell Medicine, New York, NY

D232 A Multi National Study Of kidney Transplantation In Inmates
Y. Qazi, A. Mahajan, D. Bahl, F. Jan,
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Poster Session D: Non-Organ Specific: Viral Hepatitis

D233 Hepatitis C Antibody Positive (HCV Ab+)Nucleic Acid Test Negative (NAT -) Deceased Donor Kidney Transplantation into Hepatitis C Negative (HCV -) Recipients: Is It Safe?
Ohio State University, Columbus, OH

D234 Multicenter Experience Evaluating Outcomes of HCV-Seropositive Donors to HCV-Seronegative Recipients Liver Transplantation
K. Wijarnpreecha¹, B. Aqe², S. Pungnapong¹, C. Taner³, K. Reddy⁴, M. Leise⁵, R. Dickson⁶, 'Gastroenterology and Hepatology, Mayo Clinic, Jacksonville, FL, 'Gastroenterology and Hepatology, Mayo Clinic, Scottsdale, AZ, 'Transplant, Mayo Clinic, Jacksonville, FL, 'Transplant and Hepatobiliary Surgery, Mayo Clinic, Scottsdale, AZ, 'Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN

D235 Real World Impact of HCV Viremic Solid Organs on Waitlist Times
N. Kapila¹, A. Ur Rahman¹, K. Gupta²,
K. Al Khalloufi³, E. Navas⁴, D. Reino⁵,
S. Ebadi⁶, N. Agarwal⁷, J. Shaw⁸, C. Murgas⁹, S. Rhozouani¹⁰, A. Zeeshan¹¹,
A. Tzakis¹², C. Sheffield¹³, J. Vanatta¹⁴,
X. Zervos¹, 'Gastroenterology and Hepatology, Cleveland Clinic Florida, Weston, FL, 'Internal Medicine, University of Miami/JFK Consortium, Atlantis, FL, 'Transplant, Cleveland Clinic Florida, Weston, FL

D236 Timing, Duration, and Source of Hepatitis C Virus (HCV) Antibodies (Ab) among HCV-Negative Recipients of an Organ from an HCV-Infected Donor
P. Porrett¹, P. Reese¹, E. Blumberg¹,
P. Abt¹, R. Bloom¹, K. Reddy¹, V. Holzmayer², K. Coller², M. Kuhns², G. Cloherty², D. Goldberg¹, 'University of Pennsylvania, Philadelphia, PA, 'Abbott Labs, Chicago, IL

D237 Renal Function between Tenofovir and Entecavir in Post-Liver Transplanted Hepatitis B Patients
S. Kim, J. Kim, S. Lee, J. Rhu, Y. Chung,
S. Kim, J. Joh, S. Lee, G. Choi, J. Park,
S. Lee, K. Lee, Transplantation, Samsung Medical Center, Seoul, Korea, Republic of
**D238** Hepatitis A Hospitalizations among Kidney Transplant Recipients in the United States: A Nationwide Study  
W. Cheungpasitporn¹, C. Thongprayoon², P. Ungprasert³, K. Wijarnpreecha³, P. T. Kroner³, ¹Nephrology, University of Mississippi Medical Center, Jackson, MS, ²Nephrology and Hypertension, Mayo Clinic, Rochester, MN, ³Nephrology, University of Mississippi Medical Center, Bangkok, Thailand, ¹Gastroenterology and Hepatology, Mayo Clinic, Jacksonville, FL

**D239** REHANNA: Renal Transplants in Hepatitis C Negative Recipients with Nucleic Acid Positive Donors with Short Course Direct Acting Antiviral Prophylaxis  
C. Durand, B. Barnaba, D. Brown, N. Bair, F. Naqvi, M. Bowring, D. Segev, M. Sulkowski, N. Desai, Johns Hopkins University School of Medicine, Baltimore, MD

**D240** † Introduction of Universal Hepatitis E RNA Screening in Deceased Organ Donors - The UK Experience  
I. Ushiro-Lumb¹, K. Tettmar¹, I. Johannessen², K. Simpson², I. Hart³, J. Timms¹, A. Hale⁴, S. Ijaz⁴, R. Tedder⁴, J. Forsythe¹, ¹NHS Blood and Transplant, London, United Kingdom, ²Royal Infirmary of Edinburgh, Edinburgh, United Kingdom, ³Royal Liverpool University Hospital, Liverpool, United Kingdom, ⁴University Hospitals Coventry and Warwickshire, Coventry, United Kingdom, ⁵Public Health England, Leeds, United Kingdom, ⁶Public Health England, London, United Kingdom

**D241** The Treatment of Hepatitis C Virus (HCV) with Direct Acting Antiviral (DAA) Treatment in the Post Orthotopic Liver Transplant (OLT) Patient is Safe and Efficacious  
P. Brown¹, Z. Demertzis¹, S. Jafri², ¹Internal Medicine, Henry Ford Health System, Detroit, MI, ²Gastroenterology and Hepatology, Henry Ford Health System, Detroit, MI

**D242** Evaluating Hepatitis C Treatment after Solid Organ Transplantation  
A. J. Burgos¹, R. Yau¹, C. Tunwar², J. A. Goss³, S. Khaderi³, N. L. Sussman³, ¹Pharmacy, CHI St. Luke’s Health-Baylor St. Luke’s Medical Center, Houston, TX, ²CHI St. Luke’s Health-Baylor St. Luke’s Medical Center, Houston, TX, ³Division of Abdominal Transplantation, Baylor College of Medicine, Houston, TX, ⁴Abdominal Transplant & Liver Disease, Baylor College of Medicine, Houston, TX

**D243** Listing Practices and Graft Utilization Lag behind Supply of Hepatitis C Positive Deceased Donors for Liver and Kidney Transplant  
C. E. Kling¹, J. D. Perkins², S. W. Biggins³, C. Johnson⁴, A. P. Limaye⁵, L. Sibulesky¹, ¹Division of Transplant Surgery, University of Washington Medical Center, Seattle, WA, ²Division of Transplant Surgery and Clinical and Bio-Analytics Transplant Laboratory, University of Washington Medical Center, Seattle, WA, ³Divisions of Gastroenterology and Hepatology and Center for Liver Investigation Fostering DiscoVEx, University of Washington Medical Center, Seattle, WA, ⁴Division of Nephrology, University of Washington Medical Center, Seattle, WA, ⁵Division of Infectious Disease, University of Washington Medical Center, Seattle, WA

**D244** Impact of DAA Treatment on Graft Fibrosis in HCV Positive Liver Transplantation  
J. Wellington¹, A. Ma², S. Kottlitz³, J. Husson⁴, E. Wilson⁵, D. Bruno⁶, ¹Gastroenterology & Hepatology, University of Maryland, Baltimore, MD, ²Internal Medicine, University of Maryland, Baltimore, MD, ³Institute of Human Virology, Division of Clinical Care and Research, University of Maryland, Baltimore, MD, ⁴Transplant Surgery, University of Maryland, Baltimore, MD

**D245** Long-Term Efficacy of Direct-Acting Antiviral Agents  
J. Zhang, W. Sun, J. Lin, Y. Tian, L. Ma, L. Zhang, Y. Zhu, Beijing Friendship Hospital, Capital Medical University, Beijing, China
D246 Excellent Success with Safety and Efficacy of Direct-Acting Anti-Viral HCV Drugs in Kidney Transplant Recipients Using an Evolving Regimen. A Single Institution Experience
A. Sharfuddin, S. A. Hussain, T. Taber, D. Mishler, O. Adebiyi, M. S. Yaqub, Indiana University School of Medicine, Indianapolis, IN

Poster Session D: Non-Organ Specific: Organ Preservation/Ischemia Reperfusion Injury

D247 Redox State of HMGB1 Drives Ischemia-Reperfusion Injury in Human Liver Transplantation
R. A. Sosa¹, A. Q. Terry¹, J. Nevarez-Mejia¹, M. Rossetti¹, B. V. Naini¹, V. M. Groysberg¹, F. M. Kaldas², R. W. Busuttii², D. W. Gjertson¹, J. W. Kupiec-Weglinski², E. F. Reed¹, ¹Pathology & Laboratory Medicine, UCLA, Los Angeles, CA, ²Surgery, UCLA, Los Angeles, CA

D248† Notch1 Signaling Protects Liver Grafts from Ischemia Reperfusion Injury: From Mouse to Human

D249 Organ-Specific Injury and Recovery Mechanisms in Post-Transplant Ischemia Reperfusion Injury
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D250 CXCL12-CXCR4-Mediated Chemotaxis is a Potential Mechanism for Monocyte Recruitment in Ischemia-Reperfusion Injury in Orthotopic Liver Transplant Patients
A. Q. Terry¹, R. A. Sosa¹, B. V. Naini¹, V. Groysberg¹, F. M. Kaldas², R. W. Busuttii², D. Gjertson¹, J. Kupiec-Weglinski², E. F. Reed¹, ¹Pathology and Laboratory Medicine, University of California, Los Angeles, Los Angeles, CA, ²Surgery, University of California, Los Angeles, CA

D251 Urine Recirculation Maintains Hemodynamics and Enhances Function in Normothermic Kidney Perfusion
A. Weissenbacher¹, C. D. Ceresa², D. Voyce³, J. Hunter², R. Ploeg⁴, C. C. Coussios⁵, D. W. Gjertson¹, J. W. Kupiec-Weglinski², E. F. Reed¹, ¹Pathology and Laboratory Medicine, University of California, Los Angeles, CA, ²Surgery, University of California, Los Angeles, CA

D252 The Effect of the Beneficial Activity of α-Lipoic Acid Treatment Depend on the Quality of the Graft Kidneys
F. Osella¹, N. Ambrosi², G. Werber¹, F. Caro², S. Beltramino¹, I. Cabrera¹, G. Hilchenbach¹, L. Diaz Alvarez¹, C. Incardona³, E. Chuluyan², D. Casadei¹, ¹Instituto de Trasplante y Alta Complejidad, Buenos Aires, Argentina, ²CEFyBO, UBA, Buenos Aires, Argentina, ³GADOR S.A., Buenos Aires, Argentina

D253 Partial Freezing: Subzero Whole Liver Preservation In The Presence Of Ice
S. E. Cronin¹, C. A. Pendexter¹, R. J. deVries¹, S. Kimura², S. Ozer¹, P. D. Banik¹, S. Nagpal¹, H. Yeh², S. N. Tessier¹, K. Uygun¹, M. Toner¹, ¹Center for Engineering in Medicine, Massachusetts General Hospital and Harvard Medical School, Boston, MA, ²Transplant Center, Massachusetts General Hospital and Harvard Medical School, Boston, MA
D254 Assessing Discarded Human Liver Quality with Normothermic Ex-Vivo Liver Perfusion
F. Zhou, M. Xu, S. Garcia-Aroz, G. A. Upadhya, Y. Lin, W. C. Chapman, Surgery, Washington University in St. Louis, St. Louis, MO

D255 Apparatus and Method to Facilitate In-Situ Cold Perfusion of Abdominal Organs in DCD Donors
M. Jendrisak, Gift of Hope Organ & Tissue Donor Network, Itasca, IL

D256 † C1 Esterase Inhibitor (C1INH) Treatment at Kidney Transplant Improves Long-Term Outcomes in Patients at Risk for Ischemia/Reperfusion Injury & Delayed Graft Function
S. Jordan1, E. Huang2, N. Ammerman3, J. Choi1, O. Aubert4, S. Kumar5, A. Loupy6, 1Cedars Sinai Medical Ctr, West Hollywood, CA, 2Comprehensive Transplant Center, Cedars Sinai Medical Ctr, West Hollywood, CA, 3Biostatistics Department, Paris Translational Research Center for Organ Transplantation, Paris, France, 4Biostatistics, Paris Translational Research Center for Organ Transplantation, Paris, France

D257 Early Allograft Dysfunction in the Setting of Histologic Ischemia Reperfusion Injury Following Liver Transplantation: Analysis of Predictors and Outcomes

D258 Correlation between Gene Expression and Cardiac Function in Ex Vivo Perfused Porcine Hearts
S. Rotich, N. Herbers, S. Hatami, J. Nagendran, M. Mengel, D. Freed, B. Adam, University of Alberta, Edmonton, AB, Canada

D259 Predicting Graft Function And Long-term Outcomes Following Kidney Transplantation Using An Intraoperative Tissue Oximetry Sensor
H. Lau, A. Shimomura, E. Tantisattamo, U. G. Reddy, D. Dafoe, H. Ichii, University of California Irvine, Orange, CA

D260 Comprehensive and Combined Transcriptomic and Proteomic Analysis Reveals Key Factors Underlying Ischemia-Reperfusion Injury in Human Liver Transplantation
S. Huang, X. He, C. Sun, Z. Guo, W. Ju, Z. Zhu, Q. Zhao, G. Chen, Organ Transplant Center, the First Affiliated Hospital of SYSU, Guangzhou, China

D261 Innate Immunity in Brain Dead Donors: Implications of Necroptosis in Kidney Allograft Outcomes
A. Ang1, A. Zmijewska2, T. M. Stevens3, J. Murphy4, R. B. Mannon2, 1School of Medicine, UAB, Birmingham, AL, 2Medicine/Nephrology, UAB, Birmingham, AL, 3Pathology, UAB, Birmingham, AL

D262 Protective Effect of Ischemic-Free Liver Transplantation Technique on Distant Multiple Organ Function
L. Wang1, Z. Guo1, L. Yang2, W. Xiong2, S. Huang1, T. Zhang2, Y. Tang1, Z. Zhang1, Z. Zhu1, C. Zhu1, X. He1, 1Organ Transplant Center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, 2Department of Anesthesiology, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

D263 † Obese Simultaneous Pancreas And Kidney Transplant Recipients In Type 2 Diabetes Have Similar Risks Of Pancreas Failure As Non-obese
T. Alhamad1, K. Espinoza1, J. R. Wellen1, S. Chang1, D. C. Brennan2, K. L. Lentine3, 1Washington University in St. Louis, St. Louis, MO, 2Johns Hopkins University, Baltimore, MD, 3Saint Louis University, St. Louis, MO

Poster Session D: Pancreas and Islet: All Topics

D264 Assessing Discarded Human Liver Quality with Normothermic Ex-Vivo Liver Perfusion
F. Zhou, M. Xu, S. Garcia-Aroz, G. A. Upadhya, Y. Lin, W. C. Chapman, Surgery, Washington University in St. Louis, St. Louis, MO

D265 Apparatus and Method to Facilitate In-Situ Cold Perfusion of Abdominal Organs in DCD Donors
M. Jendrisak, Gift of Hope Organ & Tissue Donor Network, Itasca, IL

D266 † C1 Esterase Inhibitor (C1INH) Treatment at Kidney Transplant Improves Long-Term Outcomes in Patients at Risk for Ischemia/Reperfusion Injury & Delayed Graft Function
S. Jordan1, E. Huang2, N. Ammerman3, J. Choi1, O. Aubert4, S. Kumar5, A. Loupy6, 1Cedars Sinai Medical Ctr, West Hollywood, CA, 2Comprehensive Transplant Center, Cedars Sinai Medical Ctr, West Hollywood, CA, 3Biostatistics Department, Paris Translational Research Center for Organ Transplantation, Paris, France, 4Biostatistics, Paris Translational Research Center for Organ Transplantation, Paris, France

D267 Early Allograft Dysfunction in the Setting of Histologic Ischemia Reperfusion Injury Following Liver Transplantation: Analysis of Predictors and Outcomes

D268 Correlation between Gene Expression and Cardiac Function in Ex Vivo Perfused Porcine Hearts
S. Rotich, N. Herbers, S. Hatami, J. Nagendran, M. Mengel, D. Freed, B. Adam, University of Alberta, Edmonton, AB, Canada

D269 Predicting Graft Function And Long-term Outcomes Following Kidney Transplantation Using An Intraoperative Tissue Oximetry Sensor
H. Lau, A. Shimomura, E. Tantisattamo, U. G. Reddy, D. Dafoe, H. Ichii, University of California Irvine, Orange, CA

D270 Comprehensive and Combined Transcriptomic and Proteomic Analysis Reveals Key Factors Underlying Ischemia-Reperfusion Injury in Human Liver Transplantation
S. Huang, X. He, C. Sun, Z. Guo, W. Ju, Z. Zhu, Q. Zhao, G. Chen, Organ Transplant Center, the First Affiliated Hospital of SYSU, Guangzhou, China

D271 Innate Immunity in Brain Dead Donors: Implications of Necroptosis in Kidney Allograft Outcomes
A. Ang1, A. Zmijewska2, T. M. Stevens3, J. Murphy4, R. B. Mannon2, 1School of Medicine, UAB, Birmingham, AL, 2Medicine/Nephrology, UAB, Birmingham, AL, 3Pathology, UAB, Birmingham, AL

D272 Protective Effect of Ischemic-Free Liver Transplantation Technique on Distant Multiple Organ Function
L. Wang1, Z. Guo1, L. Yang2, W. Xiong2, S. Huang1, T. Zhang2, Y. Tang1, Z. Zhang1, Z. Zhu1, C. Zhu1, X. He1, 1Organ Transplant Center, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, 2Department of Anesthesiology, The First Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

D273 Obese Simultaneous Pancreas And Kidney Transplant Recipients In Type 2 Diabetes Have Similar Risks Of Pancreas Failure As Non-obese
T. Alhamad1, K. Espinoza1, J. R. Wellen1, S. Chang1, D. C. Brennan2, K. L. Lentine3, 1Washington University in St. Louis, St. Louis, MO, 2Johns Hopkins University, Baltimore, MD, 3Saint Louis University, St. Louis, MO
D264 † Donor-Derived Cell-Free DNA for Surveillance in Simultaneous Pancreas and Kidney Transplant Recipients, Can We Extrapolate from Kidney Transplant Alone?
O. K. Olaitan¹, S. Loeb¹, E. Hettermann², V. Peev¹, S. Saltzberg¹, M. Hertl¹, S. Dholakia², ¹Rush University Medical Center, Chicago, IL, ²CareDx, Brisbane, CA

D265 † Predicting Metabolic Outcomes in Islet Autotransplantation before Transplantation
M. A. Kanak, P. Saravanan, J. Kalivarathan, Y. Shindo, M. F. Levy, Virginia Commonwealth University, Richmond, VA

D266 † Excellent Outcome in African-American (AA), Type 1 and Type 2 Diabetic Recipients after Simultaneous Pancreas and Kidney Transplantation (SPK)
A. Gruessner, S. Saggi, R. W. Gruessner, SUNY Downstate Medical Center, Brooklyn, NY

D267 † Utilization of LCP-Tacrolimus (ENVARSUS XR) in Simultaneous Pancreas and Kidney (SPK) Transplant Recipients
J. Torabi, A. Campbell, E. Akalin, M. Ajaimy, Y. Aziz, C. Pynadath, L. Liriano-Ward, J. P. Rocca, J. A. Graham, Montefiore Medical Center, Bronx, NY

D268 † Comparison of Portal vs Systemic Venous Drained Pancreas Transplantation Alone Matched by Propensity Score Analysis

D269 Thymoglobulin Efficacy: The Role of Dosing on Viral Infection and Rejection in Pancreas Transplantation

D270 Outcomes Of Simultaneous Pancreas/kidney Transplantation In Bmi Extremes
A. Al-Kurd, M. Safwan, D. Kim, M. Abouljoud, S. Nagai, Henry Ford Hospital, Detroit, MI

D271 What Are Factors That Can Influence The High Immunological Graft Loss Rate In Young Pancreas Transplant Recipients
A. C. Gruessner, J. Renz, S. Saggi, R. W. Gruessner, SUNY Downstate Medical Center, Brooklyn, NY

D272 Kidney Allograft Survival Among Kidney-pancreas Recipients Compared To Solitary Kidney Recipients: A Mate Analysis Of The Unos/optn Database
O. K. Serrano¹, R. Kandaswamy², E. B. Finger², ¹Hartford Hospital, Hartford, CT, ²Surgery, University of Minnesota, Minneapolis, MN

D273 Contrast-Enhanced Ultrasonography Predicts Insulin Secretion Ability at 1 Year after Pancreas Transplantation
N. Aida¹, T. Kenmochi¹, T. Ito¹, K. Kurihara¹, A. Kawai¹, T. Nishikawa², I. Hiratsuka³, M. Shibata³, A. Suzuki³, M. Hasegawa⁴, M. Kusaka⁴, M. Hoshinaga⁵, ¹Transplantation and Regenerative Medicine, Fujita Health University, Toyoake, Japan, ²Liver, Biliary Tract and Pancreas Diseases, Fujita Health University, Toyoake, Japan, ³Endocrinology and Metabolism, Fujita Health University, Toyoake, Japan, ⁴Nephrology, Fujita Health University, Toyoake, Japan, ⁵Urology, Fujita Health University, Toyoake, Japan

D274 Impact of Glycemic Control on Long Term Graft and Patient Outcomes after Pancreas Transplantation
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D275 Early Pancreas Loss in Simultaneous Pancreas Kidney Transplants: Does It Matter for the Kidney?
D. Das, J. Huskey, R. Heilman, K. S. Reddy, A. Moss, J. Harbell, C. Jadlowiec, Mayo Clinic AZ, Phoenix, AZ
D276 Impact of Transplant Surgery Advanced Practice Providers in the Management of Pancreas Transplant Recipients
E. A. Herriman, J. M. Sharp, K. J. Brown, J. R. Montgomery, J. C. Magee, J. D. Punch, R. S. Sung, K. J. Woodside, Section of Transplantation, Department of Surgery, University of Michigan, Ann Arbor, MI

D277 The Incidence of Fungal Infections in Pancreas Transplant Recipients in the Absence of Systemic Antifungal Prophylaxis
S. Shaikh¹, M. Cooper¹, A. Nolan¹, P. Abrams², MedStar Georgetown University Hospital, Washington, DC, ²MedStar Georgeotown Transplant Institute, MedStar Georgetown University Hospital, Washington, DC

D278 Safety and Efficacy of Peri-Operative Sublingual Tacrolimus in Pancreas Transplant as Compared to Oral Tacrolimus
N. Patel, C. Perez, D. Taber, V. Kalbavi, V. Rohan, MUSC, Charleston, SC

D279 Pancreas Allograft Importation Should Be Fostered by Any Transplant Center Challenged by Excessively Long Waitlist Times
J. Torabi, J. P. Rocca, L. Lirano, Y. Azzizi, M. Ajaimy, C. Pynadath, E. Akalin, M. Kinkhabwala, J. A. Graham, Montefiore Medical Center, Bronx, NY

D280 Blockade of IL-1β and TNF-α Does Not Significantly Pose Risk or Affect Outcomes in Patients Infused with Microbial-Positive Autologous Islet Preparations
K. Kumano¹, C. Darden², S. Vasu¹, M. Lawrence¹, B. Naziruddin³, A. Gupta³, E. Beecherl¹, N. Onaca³, ¹Baylor Simmons Transplant Institute, Dallas, TX, ²Baylor University, Waco, TX, ³Baylor University Medical Ctr, Dallas, TX

D281 Management of Post Operative Pain after Pancreas Transplant - Liposomal Bupivicaine Injection or Continuous Catheter Infiltration Reduces Daily Opioid Usage
S. Nagaraju, Y. Yeap, R. Mangus, J. Fridell, J. Wolfe, J. Powelson, Indiana University School of Medicine, Indianapolis, IN

D282 Risk Predictive Strategy to Expand Pancreas Donor Selection
J. W. Mensink¹, K. M. Ooms - de Vries², V. A. Huurman¹, R. A. Po³, I. P. Alwayn¹, A. E. Braat¹, ¹Department of Surgery; Division of Transplantation, Leiden University Medical Center, Leiden, Netherlands, ²Dutch Transplant Foundation, Leiden, Netherlands, ³Department of Surgery; Division of Transplantation, University Medical Center Groningen, Groningen, Netherlands

D283 Intra-Abdominal Hypertension in Simultaneous Pancreas-Kidney Transplantation
T. Ameen, G. Papadakis, R. Punjala, N. Karydis, Nephrology and Transplantation, Guy’s and St Thomas’ NHS Foundation Trust, London, United Kingdom

D284 Fibrosis Scoring Correlates with Progression of Chronic Pancreatitis, Islet Isolation Yields and Transplant Outcomes in Patients Undergoing Islet Autotransplantation
Y. Liu¹, J. SoRelle², K. Kumano³, S. Vasu³, M. Lawrence⁴, A. Gupta¹, N. Onaca¹, E. Beecherl¹, B. Naziruddin⁴, ¹Baylor Simmons Transplant Institute, Dallas, TX, ²UTSouthwestern Medical Center, Dallas, TX, ³Baylor Scott and White Research Institute, Dallas, TX, ⁴Baylor University Medical Ctr, Dallas, TX

D285 Fasting Blood Glucose: A Simple and Reliable Marker to Predict Late Pancreas Graft Failure
D. Cantarovich¹, M. Ollivier², L. Chaillous², B. Cariou², J. Branchereau¹, G. Karam¹, ¹Nephrology and Transplantation, ITUN, Nantes, France, ²Endocrinology, Institut du Thorax, Nantes, France
D286 New-Onset Diabetes after Kidney Transplantation: Risk Factors and Early Graft Function Outcome
Z. Li, W. Peng, J. Chen, *Kidney Disease Center, First Affiliated Hospital of Zhejiang University, Hangzhou, China*

D287 Outcomes of Total Pancreatectomy and Islet Autotransplantation, a Single Center Experience
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D288 Variable Outcomes of Recurrent Autoimmune Diabetes Post Pancreas Transplant Treated with Rituximab
K. Venkatachalam, A. Markwardt, B. Heady, T. Alhamad, A. Malone, Washington University, St. Louis, MO

D289 Comparison of Functional β-cell Function and Insulin Sensitivity of Functioning Pancreas Transplant According to Pre-Transplant Matsuda’s Index
S. Shin, Y. Ko, D. Kim, J. Kim, H. Kwon, J. Choi, J. Jung, Y. Kim, D. Han, Division of Kidney and Pancreas Transplantation, Department of Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of

D290 Should Preceding Solo-Kidney Transplantation for Patients with Type 1 Diabetes with End Stage Renal Failure Be Carried Out?
T. Ito, T. Kenmochi, K. Kurihara, A. Kawai, N. Aida. *Transplantation and Regenerative Medicine, Fujita Health University, School of Medicine., Aichi, Japan*

D291 Quality of Life After Islet/Pancreas Transplantation in Insulin Dependent Diabetic Patients: A Systematic Review of the Literature.
I. Mosca1, S. Knight2, S. Mittal3, P. J. Friend1, 1Nuffield Department of Surgical Sciences, University of Oxford, Oxford Transplant Centre, Oxford, United Kingdom, 2Nuffield Department of Surgical Sciences, Simon Knight, Oxford, United Kingdom, 3Nuffield Department of Surgical Sciences, Shruti Mittal, Oxford, United Kingdom

D292 The Need for Diabetic Medications after Pancreas Transplantation
A. Bhansali, O. El Shamy, M. Menon, R. Shapiro, V. Delaney, G. De Boccardo, Mount Sinai Hospital, New York, NY

D293 Can Cxcl8 Inhibitor (reparixin) Improve Islet Engraftment And Clinical Outcomes After Islet Allotransplantation? University Of Chicago Preliminary Results From A Phase 3 Multicenter Randomized, Double-blinded, Prospective Study.
P. Bachul1, K. Golab1, L. Basto1, L. Wang1, M. Tibudan1, J. Golebiewska2, M. Para1, L. Perea1, F. Antic1, J. Fung1, P. Witkowski1, 1University of Chicago Medicine, Chicago, IL, 2Medical University of Gdansk, Gdansk, Poland

D294 Pancreas Transplantation Outcomes - A Single Center Experience 400 Cases
J. CHOI, J. Kim, H. Kwon, S. Shin, Y. Kim, D. Han, Division of Kidney & Pancreas Transplantation, Department of Surgery, Asan Medical Center, Seoul, Korea, Republic of

D295 Pre-Operative C-Peptide Predicts Weight Gain after Pancreas Transplantation
J. Torabi, J. P. Rocca, E. Kestenbaum, M. Ajaimy, M. Kinkhabwala, J. A. Graham, Montefiore Medical Center, Bronx, NY

D296 Correlates of Significant Weight Changes Following Pancreas Alone Transplantation
A. Arunachalam, F. Aziz, N. Garg, M. Mohamed, A. Djamali, J. Odorico, D. Mandelbrot, S. Parajuli, *University of Wisconsin, Madison, WI*
Poster Session D: Optimizing Patient Blood Management in Simultaneous Kidney and Pancreas Transplantation
D. P. Al-Adra, J. Odorico, D. Kaufman, R. Redfield, J. P. Connor, University of Wisconsin, Madison, WI

Poster Session D: Outcomes of Portal Vein Extension Grafts in Pancreas Transplantation: A Single-Centre Analysis
S. R. Punjala, B. L. Phillips, N. Karydis, F. Calder, C. J. Callaghan, Department of Nephrology, Renal Transplantation and Urology, Guy’s and St. Thomas’ NHS Foundation Trust, London, United Kingdom

Poster Session D: Use of Belatacept in Pancreas Transplantation
P. D. Uva, A. Quevedo, E. Casadei, Kidney/Pancreas Transplantation, ITAC - Nephrology, Buenos Aires, Argentina

Poster Session D: Psychosocial and Treatment Adherence

D300 Pictogram Tool to Improve Medication Adherence in Heart Transplant Families with Limited English Proficiency and Low Health Literacy
A. C. Rothkopf, J. Chen, N. Jasiak-Panek, K. Le, A. Joong, L. J. Addonizio, Pediatric Cardiology, Columbia University, New York, NY, Department of Pharmacy, Columbia University, New York, NY, Department of Pharmacy, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL, Pediatric Cardiology, Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL

D301 Correlation between Self-Reported Medication Adherence and Side Effects in Transplant Recipients
T. Harrison, K. Foster, N. Patel, H. Meadows, C. Perez, H. Corbo, J. Fleming, N. Pilch, D. DuBay, J. McGillicuddy, S. Nadig, V. Rohan, D. Taber, Pharmacy Services, Medical University of South Carolina, Charleston, SC, Transplant Surgery, Medical University of South Carolina, Charleston, SC

D302 Transplant Regimen Adherence For Kidney Recipients By Engaging Information Technologies: The Take It Trial
D. P. Ladner, M. S. Wolf, Surgery, Northwestern Medicine, Chicago, IL, General Internal Medicine, Northwestern University, Chicago, IL

D303 What Do We Not Know about Long Term Liver Transplant Patients? A Look at Side Effect Burden and Medication Adherence
K. Foster, C. Perez, T. Harrison, H. Corbo, N. Patel, D. Taber, H. Meadows, J. Fleming, D. DuBay, J. McGillicuddy, N. Pilch, Department of Pharmacy Services, Medical University of South Carolina, Charleston, SC, Division of Transplant Surgery, Department of Surgery, Medical University of South Carolina, Charleston, SC

D304 Developing a Patient Reported Outcome Measure for Assessment of Calcineurin Inhibitor-Related Symptoms
J. L. Beaumont, I. Purnajo, M. Polinsky, E. Alemao, M. J. Everly, Terasaki Research Institute, Los Angeles, CA, Bristol Myers Squibb, Princeton, NJ

D305 Alcohol Relapse after Liver Transplantation
B. Movahedi, P. Mahboub, P. Martings, A. Bozorgzadeh, Surgery, UMass Memorial Medical Center, Worcester, MA

D306 Immunosuppressant Adherence in Adult Heart Transplant Recipients: An Analysis of Pharmacy Claims and Organ Procurement and Transplantation Network Data
D307  "What I Wish I Would Have Known...." Patient Impressions of Transplant Education
K. Collins1, A. Yaldo1, E. Rubinstein1, K. Kippen2, H. Olden2, S. Nagai2, M. Abouljoud1, 1Henry Ford Transplant Institute, Detroit, MI, 2Henry Ford, Detroit, MI

D308  Exercise for Solid Organ Transplant Candidates and Recipients: A Joint Position Statement of the Canadian Society of Transplantation (CST) and Canadian Network for Rehabilitation and Exercise for Solid Organ Transplant Optimal Recovery (CAN-RESTORE)
T. Janaudis-Ferreira1, S. Mathur2, R. Deliva3, N. Howes4, C. Patterson5, A. Räkel5, S. So5, L. Wickerson7, M. White6, Y. Avitzur8, O. Johnston6, N. Heywood9, S. Singh7, S. Holdsworth10, 1School of Physical and Occupational Therapy, McGill University, Montreal, QC, Canada, 2University of Toronto, Toronto, ON, Canada, 3The Hospital for Sick Children, Toronto, ON, Canada, 4London Health Sciences Centre, London, ON, Canada, 5The Hospital For Sick Children, Toronto, ON, Canada, 6University of Montreal Hospital Centre, Montreal, QC, Canada, 7University Health Network, Toronto, ON, Canada, 8Vancouver General Hospital, Vancouver, BC, Canada, 9McGill University Health Centre, Montreal, QC, Canada, 10Canadian Donation and Transplantation Research Program, Edmonton, AB, Canada

D309  Immunosuppressant Adherence in Adult Liver Transplant Recipients in the United States
W. S. Cherikh1, A. R. Wilk1, J. Maghirang1, E. A. Witt2, H. Kirkham2, S. Boghani3, N. Hira3, G. Pietradoni3, D. K. Klassen1, 1United Network for Organ Sharing, Richmond, VA, 2Walgreen Co, Deerfield, IL, 3AllianceRx Walgreens Prime, Orlando, FL

D310  Parental Anxiety and Depression Rates across Pediatric Solid Organ Transplant Populations
A. M. Lofton1, A. Wille1, E. A. Steinberg2, C. Buchanan2, 1Psychiatry, Children’s Hospital Colorado, Aurora, CO, 2Psychiatry, University of Colorado SOM, Children’s Hospital Colorado, Aurora, CO

D311  Prevalence of Non-Adherence to Immunosuppressive Medications in Kidney Transplant Recipients, Barriers and Predictors
S. Taj1, H. Baghaftar2, D. Alnajjar2, N. Almashabi3, S. Ismail4, 1King Saud Bin Abdulaziz University For Health Sciences, Jeddah, Saudi Arabia, 2Ibn Sina College, Jeddah, Saudi Arabia, 3Umm Al-Qura University, Makkah, Saudi Arabia, 4Pharmaceutical Care Department, King Abdullah International Medical Research Center, King Saud Bin Abdulaziz University for Health Sciences, Ministry of National Guard Health Affairs, Jeddah, Saudi Arabia

D312  Evaluating the Predictive Utility of the Stanford Integrated Psychosocial Assessment for Transplantation (SIPAT) for Post-Transplant Outcomes in Moderate to High-Risk Liver Transplant Candidates
P. Sheiner, S. Spence, D. Gleason, J. Riley, M. Einstein, E. UrtasunSotil, C. Rochon, B. Maneckshana, O. Serrano, Hartford Hospital, Hartford, CT

D313  Transition from Pediatric to Adult Care of Kidney Transplant Recipients: A Retrospective Analysis of a French Monocentric Cohort
M. Mazloum1, M. Charbit2, O. Aubert1, D. Anglicheau3, A. Schematic3, R. Salomon4, P. Krug2, C. Legendre1, R. Sberro-Soussan3, 1Adult Nephrology and Renal Transplantation Department, Necker Hospital, Paris, France, 2Pediatric Nephrology and Renal Transplantation Department, Necker Hospital, Paris, France

D314  Impact of an mHealth, Electronic Pillbox Intervention on Tacrolimus Variability in Kidney Transplantation: Results of a Prospective Randomized Clinical Trial
J. W. McGillicuddy, L. Sox, J. Chandler, F. Treiber, D. Taber, Medical University of South Carolina, Charleston, SC

D315  Determining the Role of Insurance Coverage at the Time of Renal Transplantation as a Predictor of Medication Misadventure
D. Wilkerson, P. Klem, Pharmacy, University of Colorado Skaggs School of Pharmacy, Aurora, CO
D316 Pregnancy Outcomes by Conception Age in Female Liver Transplant Recipients
M. Sarkar¹, L. A. Coscia², D. Kliniewski², S. Rao³, S. Constantinescu⁴, M. J. Moritz², ¹Medicine, University of California San Francisco, San Francisco, CA, ²Gift of Life Institute, Transplant Pregnancy Registry International, Philadelphia, PA, ³Medicine, University of Virginia Health System, Charlottesville, VA, ⁴Lewis Katz School of Medicine, Temple University, Philadelphia, PA, ⁵Surgery, Lehigh Valley Health Network, Allentown, PA

D317 Lifelong Immunosuppression, I Am Sure We Told Them That?: Long Term Medication Adherence in Liver Transplant Patients
K. Foster¹, C. Perez¹, T. Harrison¹, H. Corbo¹, N. Patel¹, J. Fleming¹, H. Meadows¹, D. Taber¹, D. DuBay², J. McGillicuddy², N. Pilch¹, ¹Department of Pharmacy Services, Medical University of South Carolina, Charleston, SC, ²Division of Transplant Surgery, Department of Surgery, Medical University of South Carolina, Charleston, SC

D318 Multilevel Correlates of Immunosuppressive Nonadherence in Kidney Transplant Patients - The Multicenter ADHERE BRAZIL Study
H. Sanders-Pinheiro¹, F. A. Colugnati¹, K. Denhaerynck², E. O. Marsicano¹, J. O. Medina¹, S. De Geest², A. ADHERE BRAZIL Study team¹, ¹Nephrology, Federal University of Juiz de Fora, Juiz de Fora, Brazil, ²Institute of Nursing Science, Department of Public Health, University of Basel, Basel, Switzerland, ³Hospital do Rim e Hipertensão/Nephrology, Federal University of São Paulo, São Paulo, Brazil

D319 Characteristics Associated with Immunosuppressant Adherence after Deceased Donor Kidney Transplant
A. R. Wilk¹, W. S. Cherikh¹, J. Maghirang¹, E. A. Witt¹, H. Kirkham², S. Boghani², N. Hira³, G. Pietradonii², D. K. Klassen¹, ¹United Network for Organ Sharing, Richmond, VA, ²Walgreen Co, Deerfield, IL, ³AllianceRx Walgreens Prime, Orlando, FL

D320 Caregiving in Thoracic Transplantation--A SR/MA
A. A. Rmilah, J. Lau, R. Mendpara, P. Erwin, C. C. Kennedy, Mayo Clinic, Rochester, MN

D321 Pilot Testing Of A Novel Transition Program
J. Uze, N. Yazigi, Transplantation, MedStar Georgetown University Hospital, Washington, DC

D322 Correlation between Self-Reported Medication Adherence and Side Effects in Cardiothoracic Transplant Recipients
T. Harrison¹, N. Patel¹, H. Corbo¹, K. Foster¹, H. Meadows¹, N. Pilch¹, C. Perez¹, J. Fleming¹, D. Judge², L. Paoletti³, D. Taber¹, ¹Pharmacy Services, Medical University of South Carolina, Charleston, SC, ²Cardiology, Medical University of South Carolina, Charleston, SC, ³Pulmonary & Critical Care Medicine, Medical University of South Carolina, Charleston, SC

D323 Stakeholder Perspectives in Peer Mentoring Program for Pediatric Solid Organ Transplant Recipients
C. Strachan, M. Paton, J. Reason, S. Amaral, Nephrology, Children’s Hospital of Philadelphia, Philadelphia, PA

D324 A Pilot Study of the mDOT Platform for Immunosuppression Adherence in Adult Kidney Transplant Recipients
J. Langlee, L. Lees, A. Saha, D. Helfer, M. Waldram, A. Love, F. Rivera, A. Massie, D. Segev, D. Brennan, M. Henderson, Johns Hopkins School of Medicine, Baltimore, MD

Posters Session D: PTLD/Malignancies: All Topics

D325 Screening for Renal Cell Masses in Kidney Transplant
D326 Post-Transplant Cancer Following Living Donor HLA-Incompatible Kidney Transplantation
J. D. Motter, K. Jackson, S. Bae, X. Luo, J. Long, L. Kucirka, B. Orandi, A. Muzale, J. Coresh, J. Garonzik-Wang, D. Segev, A. Massie, Johns Hopkins University, Baltimore, MD, University of Alabama, Birmingham, AL

D327 Racial Differences in Cancer Mortality for Kidney Transplant Recipients
K. Cordrey, J. Motter, A. Kernodle, K. Jackson, M. Camp, T. Purnell, D. Segev, J. Garonzik Wang, Johns Hopkins University, Baltimore, MD

D328 The Impact of Acute Rejection in Heart Transplantation on Post-Transplant Malignancy
K. Kamrani, A. Okoh, D. Hanos, M. Camacho, M. Zucker, K. Clarke, Dept. of Surgery, Newark Beth Israel Medical Center, Newark, NJ, Dept. of Medicine, Newark Beth Israel Medical Center, Newark, NJ

D329 Post-Transplant Cancer and Graft Failure in Kidney Transplant Recipients
J. Kim, J. Ha, S. Min, H. Lee, Y. Kim, S. Han, Seoul National University Hospital, Seoul, Korea, Republic of

D330 Characteristics And Outcomes Of Early Onset Cancers After Kidney Transplantation
W. Lim, E. Au, A. Krishnan, G. Wong, Sir Charles Gairdner Hospital, Perth, Australia, University of Sydney & Westmead Hospital, Sydney, Australia

D331 Impact of Everolimus on Secondary Nonmelanoma Skin Cancer Prevention in Solid Organ Transplant Recipients
B. Clark, D. D. Ramirez, A. Carlson, B. Sirandas, C. Truax, L. Smith, I. Hall, Solid Organ Transplant, University of Utah Health, Salt Lake City, UT, Nephrology and Hypertension, University of Utah Health, Salt Lake City, UT

D332 Steadily Dropping Malignancy Rates after Pediatric Kidney Transplantation Have Now Reversed in the Most Recent Era: A Report of the North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS)
V. Dharnidharka, C. Cramer, A. Chua, A. Moudgil, K. Martz, T. Blydt-Hansen, J. Smith, A. Neu, on behalf of the NAPRTCS Investigators, Washington University in St. Louis, Saint Louis, MO, Mayo Clinic, Rochester, MN, Duke University, Durham, NC, Children’s National Medical Center, Washington, DC, Emmes Corporation, Rockville, MD, BC Children’s Hospital, Vancouver, BC, Canada, Seattle Children’s Hospital, Seattle, WA, Johns Hopkins University, Baltimore, MD

D332 † Steadily Dropping Malignancy Rates after Pediatric Kidney Transplantation Have Now Reversed in the Most Recent Era: A Report of the North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS)
V. Dharnidharka, C. Cramer, A. Chua, A. Moudgil, K. Martz, T. Blydt-Hansen, J. Smith, A. Neu, on behalf of the NAPRTCS Investigators, Washington University in St. Louis, Saint Louis, MO, Mayo Clinic, Rochester, MN, Duke University, Durham, NC, Children’s National Medical Center, Washington, DC, Emmes Corporation, Rockville, MD, BC Children’s Hospital, Vancouver, BC, Canada, Seattle Children’s Hospital, Seattle, WA, Johns Hopkins University, Baltimore, MD

D333 Whole Body CT Imaging in Deceased Donor Screening
J. W. Mensink, R. A. Pol, W. N. Nijboer, J. de Jonge, K. M. Ooms - de Vries, M. F. van der Jagt, M. C. van de Poll, I. P. Alwayn, A. E. Braat, Department of Surgery; Division of Transplantation, Leiden University Medical Center, Leiden, Netherlands, Department of Surgery; Division of Transplantation, University Medical Center Groningen, Groningen, Netherlands, Department of Surgery; Division of Transplantation, Erasmus Medical Center, Rotterdam, Netherlands, Dutch Transplant Foundation, Leiden, Netherlands, Department of Surgery; Division of Transplantation, University Medical Center St. Radboud, Nijmegen, Netherlands, Department of Surgery and Department of Intensive Care, Maastricht University Medical Center, Maastricht, Netherlands

D334 Epstein Barr Virus DNA Integration in B Cell Lymphomas of Post-Transplant Lymphoproliferative Disorder
M. C. McPherson, O. M. Martinez, Surgery, Division of Abdominal Transplant, Stanford University School of Medicine, Stanford, CA

D335 Genomic Variations in Epstein Barr Virus are Associated with Post-Transplant Lymphoproliferative Disorder
M. Arvedson, E. Maloney, C. Esquivel, O. Martinez, S. Krams, Stanford Univ School of Med, Stanford, CA
D336  Post-Transplant Lymphoproliferative Disorders after Living-Donor Liver Transplantation: A Retrospective Cohort Study in 1,900 Cases of Single Center Experience

T. Tajima¹, K. Hata¹, H. Haga², M. Nishikori³, J. Kusakabe¹, I. Tamaki¹, T. Ito¹, T. Kaido¹, A. Takaori-Kondo³, S. Uemoto¹
¹Division of HBP Surgery and Transplantation, Dept. of Surgery, Kyoto University Graduate School of Medicine, Kyoto, Japan
²Dept. of Diagnostic Pathology, Kyoto University Hospital, Kyoto, Japan
³Dept. of Hematology and Oncology, Kyoto University Graduate School of Medicine, Kyoto, Japan

D337  Genome-Wide Profiling of BK Polyomavirus Integration in Urothelial Carcinoma of Kidney Transplant Recipients Reveals a Potential Microhomology or Nonhomologous End Joining Mediated Integration Mechanism

Y. Jin¹, Y. Zhou¹, W. Deng¹, R. Lee², Y. Liu¹, M. Blute³, R. Liu¹, N. Elias⁴, F. Fu¹, B. Guan¹, J. Geng¹, J. Ma³, J. Zhou³, N. Liu⁵, C. Wu⁶, Y. Miao⁷, ¹Nanfang Hospital, Southern Medical University, Guangzhou, China
²Departments of Medicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA
³Departments of Urology, Massachusetts General Hospital, Harvard Medical School, Boston, MA
⁴Departments of Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA
⁵Myogenostics Co., Beijing, China
⁶Departments of Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA

D338  Sirolimus in Geriatric Kidney Transplantation: Modification of Outcomes by Pre-Transplant History of Malignancy or Cardiovascular Disease

H. Ibrahim¹, C. Chen², K. Alquadan³, X. Wen⁴, K. L. Womer⁵, A. H. Santos Jr⁶
¹College of Medicine, Div. of Nephrology, Hypertension & Renal Transplantation, Univ. of Florida, Gainesville, FL
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³College of Medicine, Div. of Nephrology, Hypertension & Renal Transplantation, Univ. of Florida, Gainesville, FL
⁴College of Pharmacy, Univ. of Rhode Island, Kingston, RI

D339  Organ Vigilance in Germany: Malignancy Transmission from Organ Donor to Recipient

K. Moench, A. Rahmel, A. P. Barreiros, German Foundation for Organtransplantation, Frankfurt, Germany

D340  Incidence and Mortality of Renal Cell Carcinoma after Kidney Transplantation: A Meta-Analysis

A. Chewcharat¹, C. Thongprayoon², B. Boonpheng³, A. Torres-Ortiz⁴, M. A Mao², N. J Khoury⁶, W. Cheungpasitporn⁵
¹Harvard T.H. Chan, Boston, MA
²Mayo Clinic, Rochester, MN
³East Tennessee State University, Johnson City, TN
⁴University of Mississippi Medical Center, Jackson, MS
⁵Henry Ford Hospital, Detroit, MI

D341  Kidney Transplant Outcomes in Patients with ESRD Due to Myeloma

A. Riaz, A. Khalil, M. S. Yaqub, T. Taber, O. Adebibi, A. Sharfuddin, Indiana University School of Medicine, Indianapolis, IN

D342  Retrospective Nested Case Control Study of the Impact of Immunosuppression on Post Transplant Malignancy among Adult Heart Transplant Patients


D343  Long Term Follow-Up of the Use of Checkpoint Inhibitors in Kidney Transplant Recipients

K. Venkatachalam, R. Delos Santos, T. Alhamad, Transplant nephrology, Washington University, St. Louis, MO

D344  First Report and Mechanistic Analysis of Chronic GVHD after Solid Organ Transplantation


Poster Session D: Small Bowel: All Topics

Poster Session D, Tuesday, June 4
D345 Ninety-Day Complications in 214 Intestinal Transplant Patients: A Calvien-Dindo Analysis and Assessment of Long Term Outcomes
A. Zimmerman, J. Hawksworth, A. Kroemer, P. Radkani, K. Khan, S. Kaufman, N. Yazigi, S. Subramanian, T. Fishbein, C. Matsumoto, Georgetown Transplant Institute, MedStar Georgetown University Hospital, Washington, DC

D346 Post-transplant Lymphoproliferative Disorder Following Intestine Transplantation: Contemporary Single Center Experience
A. Zimmerman, J. Hawksworth, A. Kroemer, P. Radkani, K. Khan, S. Kaufman, N. Yazigi, S. Subramanian, T. Fishbein, C. Matsumoto, Georgetown Transplant Institute, MedStar Georgetown University Hospital, Washington, DC

D347 A Multicenter Study Of mTOR Inhibitor Use In Intestine And Multivisceral Transplantation
M. C. Segovia1, A. Mavis1, J. Boike2, Y. Patel1, T. Schiano3, S. Jafri1, 1Duke, Durham, NC, 2NWU, Chicago, IL, 3Mt Sinai, NY, NY, 4Henry Ford, Detroit, MI

D348 Clostridium difficile Infection Mimics Intestinal Acute Cellular Rejection in Pediatric Multivisceral Transplant - A Case Series
D. A. Cheung1, T. Beduschi2, A. Tekin2, G. Selvaggi2, R. M. Vianna2, J. Garcia1, 1Pediatric Gastroenterology, University of Miami, Miami, FL, 2Surgery, Division of Liver/GI Transplant, University of Miami, Miami, FL

D349 Biomarkers in Multivisceral and Intestinal Transplantation
D. A. Cheung1, J. Garcia1, T. Beduschi2, A. H. Langshaw1, K. L. Arheart3, I. A. Gonzalez1, 1Pediatric Gastroenterology, University of Miami, Miami, FL, 2Surgery, Division of Liver/GI Transplant, University of Miami, Miami, FL, 3Public Health Sciences, Division of Biostatistics, University of Miami, Miami, FL

D350 Viral Enteritis in Intestinal Transplant Recipients
A. Servais, M. Vacha, D. F. Floreescu, M. Keck, Nebraska Medicine, Omaha, NE

D351 Effects of Major Liver Allocation Policy Changes on Waitlist Outcomes in Multivisceral Transplantation
S. Nakai1, M. Rizzati1, Y. Muszkat2, K. Collins1, A. Yoshida1, S. Jafri1, M. Abouljoud1, 1Transplant and Hepatobiliary Surgery, Henry Ford Hospital, Detroit, MI, 2Gastroenterology, Henry Ford Hospital, Detroit, MI

Poster Session D: Tolerance: Clinical Studies

D352 Identification of Adult Liver Transplant Recipients Eligible to Participate in an Immunosuppression Withdrawal Trial Employing Non-Invasive Assessments of Allograft Status
J. Vionnet1, R. Miquel1, A. Douiri1, M. Elstad1, E. Kodela1, A. Quaglia1, J. Wall1, P. Ruiz Martin1, E. B. Riani2, J. Leithead1, A. Marshall1, M. Navasa2, P. Ruiz2, J. Ferguson6, K. Simpson2, A. Pascher6, E. Jaeckel6, R. Bishop10, F. Nevens11, S. Masson15, A. Sanchez-Fueyo1, 1King’s College London, London, United Kingdom, 2Royal Free, London, United Kingdom, 3St-Luc, Brussels, Belgium, 4Addenbrookes, Cambridge, United Kingdom, 5Hospital Clinic, Barcelona, Spain, 6Queen Elizabeth, Birmingham, United Kingdom, 7Royal Infirmary, Edinburgh, United Kingdom, 8Charité, Berlin, Germany, 9Hannover Medical School, Hannover, Germany, 10Leeds NHS Trust, Leeds, United Kingdom, 11UZ Leuven, Leuven, Belgium, 12Hepatology, Newcastle, United Kingdom

D353 Inflammation and Fibrosis Are Observed in 34% of Clinically Stable Adult Liver Transplant Recipients
L. Sun1, J. Levitsky2, S. Feng3, A. Humar4, A. J. Demetriss4, J. Emond4, A. Shaked4, G. Klintmalm2, K. Mason6, M. DesMarais1, A. Priore8, N. Bridges8, B. E. Burrell9, S. Chandran2, J. Markmann11, 1ITN, San Francisco, CA, 2Northwestern, Chicago, IL, 3UCSF, San Francisco, CA, 4UPMC, Pittsburgh, PA, 5Columbia, New York, NY, 6UPenn, Philadelphia, PA, 7Baylor, Dallas, TX, 8Rho, Chapel Hill, NC, 9NIAID, Bethesda, MD, 10ITN, Bethesda, MD, 11MGH, Boston, MA
**Poster Session D: Late Breaking**

**D354** A Novel Protocol to Produce Massive Amounts of Autologous Thymus-Derived Treg Cells (ThyTreg) to Be Employed as Cellular Therapy in Heart Transplanted Children: A New Paradigm for the Prevention of Graft Rejection

E. Bernaldo de Quirós¹, R. López¹, V. Pérez¹, M. Clemente², J. Gil-Jaurena³, M. Camino⁴, N. Gil⁴, E. Panadero⁴, C. Medrano⁴, M. Pion¹, R. Correa-Rocha¹,
¹Laboratory of Immune-regulation, Instituto de Investigación Sanitaria Gregorio Marañón (IISGM), Madrid, Spain, ²Cell Culture Unit, Instituto de Investigación Sanitaria Gregorio Marañón (IISGM), Madrid, Spain, ³Pediatric Cardiac Surgery Unit, Hospital General Universitario Gregorio Marañón, Madrid, Spain, ⁴Pediatric Cardiology Unit, Hospital General Universitario Gregorio Marañón, Madrid, Spain

**D355 †** Mismatched Antibody Epitopes and the Development of HLA-DQ De Novo DSA during Immunosuppression Withdrawal in Liver Transplant Recipients

V. Jucaud¹, A. Shaked², M. DesMarais³, P. Sayre⁴, S. Feng⁴, J. Levitsky³, M. Everly¹, ¹Terasaki Research Institute, Los Angeles, CA, ²University of Pennsylvania, Philadelphia, PA, ³Immune Tolerance Network, San Francisco, CA, ⁴University of California San Francisco, San Francisco, CA

**D356** Paradoxical Liver Simulated Allocation Model (LSAM) Projections for Changes to Waitlist Mortality under Acuity Circle Distribution Model

R. Lynch¹, K. Ross¹, S. Karp², ¹Emory, Atlanta, GA, ²Vanderbilt, Nashville, TN

**D357** Recipient Predictors of Post-Donation End Stage Renal Disease in Living Kidney Donors

J. Wainright¹, A. Robinson¹, A. Wilk¹, D. Klassen², W. Cherikh¹, L. Cartwright¹, D. Stewart¹, ¹Research, UNOS, Richmond, VA, ²UNOS, Richmond, VA

**D358** Transplantation of Hepatitis C Virus Positive Donor Kidneys into Hepatitis C Negative Older Recipients

J. A. Graham¹, M. Ajaimy², J. Torabi¹, T. Powell³, J. Weiss⁴, T. Weinstein⁵, S. Greenstein⁶, O. Andacoglu¹, A. Campbell⁶, J. Carrero¹, J. Lapponese¹, M. Kinkhabwala¹, E. Akalin², J. P. Rocca¹, ¹Surgery, Montefiore Medical Center, Bronx, NY, ²Medicine, Montefiore Medical Center, Bronx, NY, ³Epidemiology and Psychiatry, Montefiore Medical Center, Bronx, NY, ⁴Medical Affairs, Montefiore Medical Center, Bronx, NY, ⁵Risk & Loss Prevention, Montefiore Medical Center, Bronx, NY, ⁶Pharmacy, Montefiore Medical Center, Bronx, NY

**D359** EBV+ PTLD in the Modern Immunosuppression Era: Role of EBV Serology and DNAemia-Preliminary Data from CTOT-C06

O. M. Martinez¹, S. M. Krams¹, M. A. Robien², M. Lapasaran¹, S. D. Boyd¹, B. Armstrong³, C. Twist⁴, K. Weinberg¹, D. Gratzinger¹, B. Tan¹, M. Sever³, D. Ikle¹, M. Brown¹, D. Bernstein¹, C. O. Esquivel¹, ¹Stanford University Sch of Med, Stanford, CA, ²NIAD/NIH, Rockville, MD, ³Rho, Chapel Hill, NC, ⁴Roswell Park, Buffalo, NY

**D360** Specific Donor/Recipient HLA Disparities are Associated with Better Long-Term Kidney Allograft Survival among 4-, 5-, and 6-HLA (A/B/DR)-Mismatched Pairs

D. Bekbolsynov, H. Zhang, B. Mierzejewska, M. Rees, K. Xu, S. Stepkowski, University of Toledo, Toledo, OH

**D361** The Influential Yet Highly Variable Role of Biopsy Findings on Kidney Offer Acceptance Decisions: An Organ Offer Simulation Study

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D362 The Rapidly Aging Population of Liver Transplant Patients with Hepatocellular Carcinoma
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D363 Comparison of Simultaneous Pancreas-kidney Transplantation to Kidney Transplantation Alone for Type 2 Diabetes with End Stage Renal Disease
Y. Fu, Z. Shen, Kidney&Pancreas Transplant, Tianjin First Center Hospital, Tianjin, China

D364 Targeting Syk Signaling in Myeloid Cells Protects against Liver Fibrosis and Hepatocarcinogenesis
A. Torres-Hernandez, W. Wang, G. Miller, Surgery, NYU School of Medicine, New York, NY

D365 Willingness to Acquire Donor-Derived Hepatitis C Infection May Reduce Waitlist Mortality for Heart Transplant Candidates
B. E. Lonze, A. Reyentovich, N. Moazami, D. E. Smith, C. Gidea, R. A. Montgomery, NYU Langone Transplant Institute, New York, NY

D366 The First Human Organ Transported by Drone and Steps Forward to Large Scale Organ Drone Use in the USA
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D367 A Step-Wise Desensitization Using Rituximab&Bortezomib Combined with Antithymocyte Globulin for Highly Sensitized Kidney Transplant Candidates
H. Ohdan, K. Ide, M. Ohira, H. Tahara, Y. Tanaka, Hiroshima University, Hiroshima, Japan

D368 Clinical Trial of Allogeneic Islet Transplantation in the Treatment of Diabetes after Renal Transplantation

D369 † Outcomes Analysis of U.S. Transplant Centers Performing High Volumes of Hard to Place Kidneys
Y. Qazi¹, D. Bahl², N. Mehta³, Z. Haddad⁴, M. Smogorzewski⁵, ¹USC, Los Angeles, CA, ²UC Davis, Sacramento, CA, ³UC Berkeley, Berkeley, CA, ⁴Keck Medical Center At USC, Los Angeles, CA

D370 Impact of the Pediatric End-Stage Liver Disease Growth Failure Threshold on Waitlist Mortality in Children Awaiting Liver Transplant

D371 Supercooling Preservation Prolonged Mouse Cardiac Graft Cold Ischemia Time
W. Que¹, X. Hu¹, M. Fujino¹, Y. Yamada², L. Zhong³, X. Li³, ¹Division of Transplantation Immunology, National Research Institute for Child Health and Development, Tokyo, Japan, ²Technician Co., Ltd., Kanagawa, Japan, ³Department of Surgery, Shanghai General Hospital, shanghai Jiao Tong University School of Medicine, Shanghai, China

D372 Mycophenolate Mofetil versus Azathioprine in Kidney Transplant Recipients on Steroid-Free Low-Dose Cyclosporine Immunosuppression: The ATHENA Trial
P. Cravedi¹, P. Ruggenenti², E. Gotti², A. Plati³, S. Sandrini³, N. Bossini³, F. Citterio⁴, E. Minetti⁵, D. Montanaro⁶, R. Tardanico³, E. Sabadini², F. Gaspari², A. Villa², G. Remuzzi², ¹Mount Sinai, New York, NY, ²ASST Ospedale Papa Giovanni XXIII, Bergamo, Italy, ³ASST degli Spedali Civili, Brescia, Italy, ⁴Fondazione Policlinico Universitario Agostino Gemelli IRCCS, Rome, Italy, ⁵ASST Grande Ospedale Metropolitano Niguarda, Milan, Italy, ⁶Presidio Ospedaliero Universitario Santa Maria della Misericordia, Udine, Italy, ⁷Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Bergamo, Italy

D373 Platelets Stimulate Liver Regeneration in a 30% Partial Liver Transplantation Model in Rat
C. Liang, K. Takahashi, T. Oda, N. Ohkohchi, University of Tsukuba, Tsukuba, Japan
<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>D374</td>
<td>Impact of Steroid-Free Protocol on Incidence of Posttransplantation Diabetes Mellitus: A Prospective, Randomized, Multicenter, Open-Label, Controlled Trial in Renal Transplant Recipients</td>
<td>J. Ekberg¹, S. Baid-Agrawal¹, B. Jespersen², R. Källén², E. Rafael³, K. Skov², P. Lindner¹, Transplant Institute, Sahlgrenska University Hospital, Gothenburg, Sweden, Department of Nephrology, Aarhus University Hospital, Skejby, Denmark, Department of Transplantation, Skane University Hospital, Malmö, Sweden</td>
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<td>D375</td>
<td>Blood Profiling Reflects a Significant Down-Regulation in Oxidative Phosphorylation Following Renal Transplantation with DCD and AKI Allografts</td>
<td>S. Walker¹, L. Cox², C. Langefeld², B. Freedman², A. Farney², J. Rogers², C. Jay², R. Stratta², G. Orlando², Wake Forest Institute for Regenerative Medicine, Winston Salem, NC, Wake Forest Baptist Medical Center, Winston Salem, NC</td>
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<tr>
<td>D376</td>
<td>Utilization of Hepatitis C Donors is Safe and Cost Effective</td>
<td>J. Shaw¹, D. Reino, N. Kapila, K. Al Khalloufi, S. Ebaid, S. Rhazouani, X. Zervos, J. Vanatta, N. Agrawal, Cleveland Clinic, Weston, FL</td>
</tr>
<tr>
<td>D377</td>
<td>Vimentin Inhibition Improves Post-Transplant Survival in a Mouse Renal Transplant Model</td>
<td>R. Lopez-Soler¹, Z. Zhang², H. Chin³, J. Wang³, K. Ridge³, Albany Medical College, Albany, NY, Microsurgery Core, Comprehensive Transplant Center, Northwestern University, Feinberg School of Medicine, Chicago, IL, Molecular and Cellular Physiology, Albany Medical College, Albany, NY, Microsurgery Core, Comprehensive Transplant Center, Northwestern University Feinberg School of Medicine, Chicago, IL, Northwestern University, Feinberg School of Medicine, Chicago, IL</td>
</tr>
<tr>
<td>D378</td>
<td>Towards Human Leukocyte Antigen Immunogenicity Assessment at the Individual Patient Level</td>
<td>H. Copley¹, H. McDowell², D. Pinelli², A. R. Tambur², V. Kosmoliaptsis¹, Department of Surgery, University of Cambridge, Cambridge, United Kingdom, Department of Surgery, Feinberg School of Medicine, Comprehensive Transplant Center, Northwestern University, Chicago, IL</td>
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<td>D379</td>
<td>Organ Procurement Organization Performance is Not Related to Educational Spending</td>
<td>J. P. Roberts¹, J. Bragg-Gresham², P. Held³, Univ of California-San Francisco, San Francisco, CA, Nephrology, University of Michigan, Ann Arbor, MI, Stanford University, Stanford, CA</td>
</tr>
<tr>
<td>D380</td>
<td>Human Neutrophil Function against Pathogens in Solid Organ and Stem Cell Transplant Recipients</td>
<td>N. Barros, N. Alexander, Z. Dagher, S. Knoihiuizen, A. Viens, A. R. Hopke, D. Irimia, M. K. Mansour, Transplant Infectious Diseases, Massachusetts General Hospital, Boston, MA</td>
</tr>
<tr>
<td>D381</td>
<td>Impact of Previous Hepatic Resection on the Outcome of Liver Transplantation: A Case-Control Analysis</td>
<td>M. Serenari, M. Paterno, A. D. Pinna, M. Ravaolli, E. Prosperi, M. Del Gaudio, C. Zanfi, V. Bertuzzo, G. Frascaroli, University of Bologna, Bologna, Italy</td>
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D382 Pathologic Vascular Invasion Correlates with Worse Outcome in Hepatoblastoma Patients Treated with Liver Transplantation - A Hepatoblastoma Transplant Consortium Study

T. H. Malik1, H. Zhu2, T. Ha3, S. Commander4, C. Trautz2, R. Sindhi5, S. Kim6, K. Vakili7, N. Vachharajani7, W. Chapman7, A. Griesemer8, M. Martinez8, J. A. Goss9, S. Vasudevan10, 1Baylor College of Medicine, Houston, TX, 2Texas Children’s Hospital, Houston, TX, 3Department of Surgery, Baylor College of Medicine, Houston, TX, 4Department of Surgery, Duke University School of Medicine, Durham, NC, 5Department of Surgery, University of Pittsburgh, Pittsburgh, PA, 6Department of Surgery, Boston Children’s Hospital, Boston, MA, 7Department of Surgery, Washington University School of Medicine in St. Louis, St. Louis, MO, 8Department of Surgery, NewYork-Presbyterian Morgan Stanley Children’s Hospital, New York, NY, 9Division of Abdominal Transplantation, Baylor College of Medicine, Houston, TX, 10Department of Pediatric Surgery, Texas Children’s Hospital, Houston, TX

D383 Pediatric Liver Transplantation for Metabolic Disorders without Intrinsic Liver Disease: A 25 Year Experience

P. Vuong, L. Lee, N. Mineyev, S. Conlon, R. Shetty, W. Concepcion, C. A. Bonham, A. Gallo, T. Pham, S. Busque, M. L. Melcher, G. M. Enns, C. O. Esquivel, Stanford University Medical Center, Palo Alto, CA

D384 † Complete Robotic-Assisted Kidney Transplantation: Our Initial Experience

A. Khan, C. Bhati, T. Reichman, A. Cotterell, D. Kumar, G. Gupta, L. Kamal, A. King, A. Sharma, M. Levy, VCU Medical Center, Richmond, VA

D385 Ex Vivo Assessment of Marginal Human Kidneys Using Computed Tomography

M. K. Harris1, J. R. DiRito2, H. Liu3, N. Boutagy3, C. Liu4, S. Hosgood5, D. Mulligan5, M. L. Nicholson5, A. Sinusas3, D. Haakinson1, G. T. Tietjen1, 1Surgery, Yale School of Medicine, New Haven, CT, 2Surgery, University of Cambridge, Cambridge, United Kingdom, 3Yale Translational Research Imaging Center, New Haven, CT, 4Radiology, Yale School of Medicine, New Haven, CT

D386 Breaking Concepts: 10-year Follow-Up of the Everolimus versus Azathioprine Heart Transplant Multi-National Study

J. A. Kobashigawa1, R. Starling2, E. Passano1, P. Bernhardt3, B. Azarbal1, R. Cheng1, F. Esmailian1, K. Khush4, D. Mancini5, J. Patel1, T. Sato1, S. Varnous6, 1Smidt Heart Institute at Cedars-Sinai, Los Angeles, CA, 2Cleveland Clinic, Cleveland, OH, 3Novartis Pharmaceuticals, Basel, Switzerland, 4Stanford University, Palo Alto, CA, 5Mount Sinai, New York, NY, 6APHP, Pitie-Salpetriere, Sorbonne University, Paris, France

D387 Development and Validation of a Capillary Blood Mitra-Based Assay for the Quantitative Determination of Advagraf® Concentrations in Transplant Patients

N. Undre1, I. Dawson2, V. Aluvihare3, N. Kamar4, F. Saliba5, N. Torpey6, S. Anaokar7, G. Kazeem1, 1Astellas Pharma Europe Ltd, Chertsey, United Kingdom, 2Covance Laboratories, Harrogate, United Kingdom, 3Kings College Hospital, London, United Kingdom, 4CHU Rangueil, Toulouse, France, 5Hôpital Paul-Brousse, Villejuif, France, 6Addenbrookes Hospital, Cambridge, United Kingdom, 7Astellas Pharma Europe Ltd, Surrey, United Kingdom
D388 Renal Cell Carcinoma in Dialysis Patients: Criteria for Transplant Wait List Inclusion
D. B. Laskar¹, J. Zeng¹, S. Sharma², M. T. Smith Jr³, A. D. Nicastri¹, D. Levitan⁴, R. Maglantay¹, D. John³, S. R. Gottesman¹, ¹Pathology, SUNY Downstate Medical Center, Brooklyn, NY, ²Transplant Surgery, NYP/Columbia University Medical Center, New York, NY, ³Surgery, SUNY Downstate Medical Center, Brooklyn, NY, ⁴Pathology & Laboratory Medicine, NYP/Weill Cornell Medical Center, New York, NY

D389 The Pregnancy Experiences of Uterus Transplant Recipients
A. E. Wall, L. Johannesson, G. Testa, A. Warren, Baylor University Medical Center, Dallas, TX

D390 Effects of Pretreated Bortezomib on Renal Function after Renal Ischemia - Reperfusion Injury in Mice
X. Zheng, Beijing Chaoyang Hospital, Capital Medical University, Beijing, China

D391 Perioperative Blood Transfusion Significantly Increases Inpatient Morbidity and Mortality in Renal Transplant Recipients: 15-year Experience
K. Mahendraraj¹, G. Medrano del Rosal¹, M. Kruse¹, R. Shah¹, T. Katsichtis¹, T. Brennan², N. Nissen², T. Todo², K. Kosari², A. Klein², I. Kim², ¹Surgery, Lincoln Medical Center, New York, NY, ²Transplant Surgery, Cedars-Sinai Medical Center, Los Angeles, CA

D392 The Therapeutic Potential of Ex Vivo Induced Monocytic Myeloid-Derived Suppressor Cells from Bone Marrow in a Mouse Cardiac Allograft Transplantation Model
K. Uchida, K. Fujimoto, E. Yin, H. Bashuda, K. Okumura, K. Takeda, Juntendo University Atopy Research Center, Tokyo, Japan

D393 The High Burden of Vaccine Preventable Infections Following Pediatric Solid Organ Transplant
A. G. Feldman¹, B. L. Beatty², D. Curtis³, E. Juarez-Colunga⁴, A. Kempe⁵, ¹Pediatric Gastroenterology, Hepatology and Nutrition, University of Colorado, Aurora, CO, ²University of Colorado, Aurora, CO, ³Pediatric Infectious Diseases, University of Colorado, Aurora, CO, ⁴Pediatrics, University of Colorado, Aurora, CO

D394 The Use of High Volume Perioperative Normal Saline Increases the Risk of Delayed Graft Function after Kidney Transplantation
K. Kolodziej¹, O. S. Cakmakkaya², E. S. Boparai², M. Tavakol³, J. Feiner¹, C. U. Niemann³, ¹Anesthesia & Perioperative Care, University of California San Francisco, San Francisco, CA, ²Dept. of Medical Education, University Istanbul – Cerrahpasa, Istanbul, Turkey, ³School of Medicine, George Washington University, Washington, DC, ⁴Dept. of Surgery, Division of Transplantation, University of California San Francisco, San Francisco, CA, ⁵Anesthesia & Perioperative Care, and Dept. of Surgery, Division of Transplantation, University of California San Francisco, San Francisco, CA

D395 Clinical Features and Prognosis of Diffuse Intrahepatic Biliary Stricture in Adult ABO-Incompatible Living Donor Liver Transplantation
J. Kwon, G. Song, S. Hwang, K. Kim, C. Ahn, D. Moon, T. Ha, D. Jung, G. Park, Y. Yoon, H. Cho, I. Jeong, J. Choi, S. Yoo, S. Lee, Division of Liver Transplantation and Hepatobiliary Surgery, Department of Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of

D396 Restrictive Medicaid Policies Reduce Access to Liver Transplant for Alcohol-Associated Liver Disease
B. P. Lee, V. Eric, P. Mark, J. Dodge, N. Terrault, UCSF, SF, CA

D397 Actual Outcomes and Technical Feasibility of Living Donor-Related Liver Re-Transplantation
W. Kim¹, G. Song², S. Lee³, ¹Korea University Guro Hospital, Seoul, Korea, Republic of, ²Asan Medical Center, Seoul, Korea, Republic of
D398 The Important Roles of Dendritic Cells in Transplantation
T. Ueno1, M. M. McGrath1, M. Y. Yeung1, S. Cai1, Y. Ueno1, T. Yokoyama2, Y. Kihara3, O. Konno3, Y. Nakamura3, H. Iwamoto3, A. K. Chandraker1,
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D399 Single-center Retrospective Analysis of Prophylaxis and Treatment of Pneumocystis Carinii Pneumonia in Patients with Poor Renal Function
Y. Fu, J. Pan, Z. Shen, Kidney-Pancreas Transplant Department, Tianjin First Central Hospital, Tianjin, China

D400 Retrospective Evaluation of Optimal Cmv Prophylaxis Regimens in Lung Transplant Patients: Analysis of Patient Outcomes Pre and Post Protocol Dosing Alterations
J. Hunt, A. Nasar, R. Walia, L. Cherrier, St. Joseph Hospital and Medical Center, Phoenix, AZ

M. Rizzari, K. Crombez, S. Nagai, J. Stracke, A. Al-Kurd, K. Collins, A. Yoshida, M. Abouljoud, Henry Ford Transplant Institute, Detroit, MI

D402 Effects of IVIG Therapy and FcγR Polymorphisms on BK Virus Nephropathy in Kidney Transplant Recipients
D. I. Min1, Y. Chang2, T. Shah3, 1Western Univ of Health Sciences, Los Angeles, CA, 2Mendez National Institute of Transplantation Foundation, Los Angeles, CA, 3St. Vincent Medical Center, Los Angeles, CA

D403 Costs of Kidney Recoveries Varies Dramatically across Organ Procurement Organizations
J. P. Roberts1, J. Bragg-Gresham2, P. J. Held3, 1Univ of California-San Francisco, San Francisco, CA, 2University of Michigan, Ann Arbor, MI, 3Stanford, Stanford, CA

D404 Associations between State-Level Donor Designation Rate and Organ Procurement Organization Characteristics and Outcomes
J. Bragg-Gresham1, P. Held2, J. P. Roberts3, 1Kidney Epidemiology and Cost Center, Univ of Michigan, Ann Arbor, MI, 2Stanford University, Stanford, CA, 3University of California San Francisco, San Francisco, CA

D405 Challenges to Inpatient Management Post Abdominal Wall Transplant (AWT) - From App’s Perspective
K. Hattori, D. Sudan, K. Ravindra, Duke University hospital, Durham, NC

D406 Immunization Status at the Time of Pediatric Liver Transplant: A 1-year Study through The Society of Pediatric Liver Transplantation
A. G. Feldman1, A. Kempe2, B. L. Beaty3, R. Torres1, D. Curtis4, S. S. Sundaram1, 1Pediatric Gastroenterology, Hepatology and Nutrition, University of Colorado, Aurora, CO, 2Pediatrics, University of Colorado, Aurora, CO, 3University of Colorado, Aurora, CO, 4Pediatric Infectious Diseases, University of Colorado, Aurora, CO

D407 Barriers to Pre-Transplant Immunization: A Qualitative Study of Pediatric Liver-Transplant Stakeholders
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D408 Organ Transportation by Drone: Surgeon Perspectives
T. Talaie1, R. Barth2, J. R. Scalea1, 1University of Maryland, Baltimore, MD, 2Surgery, University of Maryland, Baltimore, MD

308
D409  Variable Glycosylations of Anti-HLA Antibodies Detected with Single Antigen Beads in Kidney Transplant Recipients
Y. Chang¹, N. Lemp², J. Cicciarelli¹, T. Shah³, D. Min⁴, ¹Mendez National Institute of Transplantation Foundation, Los Angeles, CA, ²Transplantation Research, Mendez National Institute of Transplantation Foundation, Los Angeles, CA, ³St. Vincent Medical Center, Los Angeles, CA, ⁴Western Univ of Health Sciences, Pomona, CA

D410  Differences in the Cost of Kidney Organ Recovery by Organ Procurement Organization Size
P. J. Held¹, J. Bragg-Gresham², J. P. Roberts³, ¹Stanford University, Stanford, CA, ²Univ of Michigan, Michigan, MI, ³Univ of California-San Francisco, San Francisco, CA

D411  Differences in the Cost of Recovering Organs over Time
J. P. Roberts¹, J. Bragg-Gresham², P. Held³, ¹Univ of California-San Francisco, San Francisco, CA, ²Univ of Michigan, Ann Arbor, CA, ³Stanford University, Stanford, CA