1:00 pm – 5:30 pm Pre-Meeting Symposia

Page 6 Transplant Center QAPI and Advanced Leadership: Navigating the Complex Regulatory Waters  
Room 6A

Page 6 The Art and Science of Transplantation (In collaboration with NATCO and ITNS)  
Room 611-614

Page 7 Advanced Immunology  
Room 606-607

Page 8 Basic Science for the Clinician  
Room 602-604

Page 8 The Immunology of Kidney Transplantation  
Room 6B

Page 9 Managing and Mitigating Transplant Infections  
Room 6C

Page 10 Reaching Across the Diaphragm: Dilemmas Posed by Combined Heart and Liver Disease (Case-Focused Discussions)  
Room 615-617

Page 11 Immunobiology of ABMR – Bench to Bedside  
Room 608-609

5:30 pm – 7:30 pm Opening Reception with Exhibits and Exhibits and Poster Session A

Presenters in Attendance  
Hall 4EF
Pre-Meeting Symposia
1:00 pm – 5:30 pm

Transplant Center QAPI and Advanced Leadership: Navigating the Complex Regulatory Waters
Room 6A

Clinical Aspects of a Transplant Quality Program
Moderators: Nahel Elias, MD, Massachusetts General Hospital/Harvard Medical School, Boston, MA, USA and David Reich, MD, Drexel University, Philadelphia, PA, USA

1:00 pm Regulatory Quality: What you Need to Know: Clinical Perspective
Amit Mathur, MD, MS
Mayo Clinic Arizona
Phoenix, AZ, USA

1:30 pm Program Approaching the Slippery Slope
Jesse Schold, PhD
Cleveland Clinic
Cleveland, OH, USA

2:00 pm How to See Your Way Clear Again
Atushi Yoshida, MD
Henry Ford Hospital
Detroit, MI, USA

2:30 pm Things that I Wish I had Known
Atushi Yoshida, MD
Henry Ford Hospital
Detroit, MI, USA

Amit Mathur, MD, MS
Mayo Clinic Arizona
Phoenix, AZ, USA

Jesse Schold, PhD
Cleveland Clinic
Cleveland, OH, USA

3:15 pm Coffee Break

Advanced Transplant Leadership: Crisis Management
Moderators: Linda Ohler, MSN CCTC, FAAN FAST, George Washington University Hospital, Vienna, VA, USA and Renee Bennett, BSN, Cleveland Clinic, Cleveland, OH, USA

3:45 pm Crisis Management: Overall Concepts
Michael Abecassis, MD
Northwestern Memorial Hospital
Chicago, IL, USA

4:05 pm Crisis Planning and Management: How to Survive a Living Donor Death
Christiano Quintini, MD
Cleveland Clinic
Cleveland, OH, USA

4:25 pm Disaster Planning: Natural or Environmental
Marion O’Rourke, RN, BSN, CCTC
Jackson Health System
Miami, FL, USA

Advanced Transplant Leadership: Regulatory Readiness
Moderators: Michelle James, MS, RN, CNS, CCTN, University of Minnesota, Minneapolis, MN, USA and Angie Korsun, RN, MSN, MPA, University of Iowa Hospitals & Clinics, Iowa City, IA, USA

4:45 pm How to Manage a Survey That Is Not Going Well
Gwen McNatt, RN, PhD, CNN, FNP-BC
Northwestern Memorial Hospital
Chicago, IL, USA

5:05 pm Balancing Strategy with Firefighting
Luke Preczewski
Jackson Health System
Miami, FL, USA

5:25 pm Discussion

The Art and Science of Transplantation (In collaboration with NATCO and ITNS)
Room 611-614
Assessment and Care of a Complex Patient Population – Part I
Moderators: Penny Keaney, RN, BSN, MA, CCTC, The International Transplant Nurses Society, Rockville, MD, USA
1:00 pm Obesity and Transplantation: Tackling a Weighty Issue
Dan Pieloch, MS, RD, CPHQ
Robert Wood Johnson University Hospital
New Brunswick, NJ, USA
1:30 pm You Don’t Have to Like Them, But … Approaches to Caring for Difficult or Hostile Patients
Cathy Crone, MD
George Washington University School of Medicine / Inova Fairfax Hospital
Falls Church, VA, USA
2:00 pm Assessing Patients for Skin Cancer - Pre and Post-Transplant
Lindsay Smith, MSN
Vanderbilt Transplant Center
Nashville, TN, USA
2:30 pm Palliative Medicine and End of Life Care
Tiffany Buda, MSN
Cleveland Clinic
Cleveland, OH, USA
3:00 pm Discussion
3:15 pm Coffee Break

Assessment and Care of a Complex Patient Population – Part II
Moderators: Mary Francois, DNP, RN-BC, CCTC, UW Health/NATCO, Madison, WI, USA and Donna Dickt, BS, NATCO, Oak Hill, VA, USA
3:45 pm A2 to B or Not to B
Keith Melancon, MD
George Washington University
Washington, DC, USA
4:15 pm Understanding C1Q
Bernice Coleman, PhD, RN
Cedars Sinai Medical Center
Los Angeles, CA, USA
4:45 pm Liver Tumor Staging
Johnny Hong, MD, FACS
Medical College of Wisconsin
Milwaukee, WI, USA
5:15 pm Long Term Impact of High Risk Donors On Graft and Recipient Outcomes
Christine Koval, MD, CCF
Cleveland Clinic Foundation
Cleveland, OH, USA
5:45 pm Discussion

Advanced Immunology
Room 606-607
Moderators: Xian Li, MD, PhD, Houston Methodist, Houston, TX, USA and Andrew Wells, PhD, University of Pennsylvania CHOP, Philadelphia, PA, USA
1:00 pm Update On Innate Sensors, Inflammasome Activation, and Inflammation
Igor Brodsky, AB, PhD
University of Pennsylvania
Philadelphia, PA, USA
1:30 pm Update On Regulated Cell Death-Mechanisms and Implications
Andreas Linkermann, MD
TU Dresden
Dresden, Germany
2:00 pm Update On Mechanisms of T Cell Dysfunction
Leonardo Riella, MD, PhD
Brigham and Women’s Hospital
Boston, MA, USA
2:30 pm Update On Non-Coding RNA in Regulation of Immune Responses
Sheri Krams, PhD
Stanford University
Stanford, CA, USA
3:00 pm Coffee Break
3:30 pm Update On Metabolic Control of Immune Responses
Ulf Beier, MD
Children’s Hospital of Pennsylvania
Philadelphia, PA, USA
4:00 pm Update On Epigenetic Regulation of Immune Responses
Wayne Hancock, MD, PhD
Children’s Hospital of Philadelphia
Philadelphia, PA, USA
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
<th>Location</th>
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<tr>
<td>4:30 pm</td>
<td>Update On Microbiota in Regulation of Immunity and Tolerance</td>
<td>Maria-Luisa Alegre, MD, PhD</td>
<td>University of Chicago</td>
<td>Chicago, IL, USA</td>
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<td>5:00 pm</td>
<td>Top 10 Immunology Papers of the Year</td>
<td>Jonathan Bromberg, MD, PhD</td>
<td>University of Maryland School of Medicine</td>
<td>Baltimore, MD, USA</td>
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<td>4:00 pm</td>
<td>Memory Cells and Their Impact on Allograft Tolerance</td>
<td>Mandy Ford, PhD</td>
<td>Emory University</td>
<td>Atlanta, GA, USA</td>
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<tr>
<td>4:25 pm</td>
<td>Therapeutic Approaches to Rejection</td>
<td>Enver Akalin, MD</td>
<td>Albert Einstein College of Medicine, Montefiore Medical Center</td>
<td>Bronx, NY, USA</td>
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<td>4:50 pm</td>
<td>Chronic Graft Rejection- Mechanisms and Emerging Approaches</td>
<td>Roslyn Mannon, MD</td>
<td>University of Alabama at Birmingham</td>
<td>Birmingham, AL, USA</td>
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<td>5:15 pm</td>
<td>Discussion</td>
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<td>1:00 pm</td>
<td>An Overview of Immune Responses- From Inception to Memory</td>
<td>Peter Heeger, MD</td>
<td>Icahn School of Medicine at Mount Sinai New York, NY, USA</td>
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<td>1:25 pm</td>
<td>The Innate Immune Response- Dangers, Sensors, and Cells</td>
<td>Fadi Lakkis, MD</td>
<td>University of Pittsburgh</td>
<td>Pittsburgh, PA, USA</td>
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<td>1:50 pm</td>
<td>T Cells and Their Effector Mechanisms in Rejection</td>
<td>Robert Fairchild, PhD</td>
<td>Cleveland Clinic</td>
<td>Cleveland, OH, USA</td>
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<tr>
<td>2:15 pm</td>
<td>The Life Cycle of B Cells and Their Roles in Alloimmunity</td>
<td>Geetha Chalasani, MD</td>
<td>University of Pittsburgh</td>
<td>Pittsburgh, PA, USA</td>
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<td>2:40 pm</td>
<td>Essential Mechanisms Regulating Immune Responses</td>
<td>Qizhi Tang, PhD</td>
<td>University of California San Francisco San Francisco, CA, USA</td>
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<td>3:05 pm</td>
<td>The “Holy Grail” of Transplantation Tolerance</td>
<td>Jonathan Maltzman, MD</td>
<td>Stanford University</td>
<td>Palo Alto, CA, USA</td>
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<tr>
<td>3:30 pm</td>
<td>Coffee Break</td>
<td>----------------------------------------------------------------------------------------------------</td>
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</table>
Issues in Recipient and Donor Evaluation  
Moderators: Deirdre Sawinski, MD, University of Pennsylvania, Philadelphia, PA, USA and Laura Myhre, PharmD, BCPS, Mayo Clinic, Rochester, MN, USA

2:40 pm Evaluation of the Combined Organ Transplant Candidate  
Richard Formica, MD  
Yale University  
New Haven, CT, USA

2:55 pm Evaluation of the Living Kidney Donor  
David Landsberg, MD  
St. Paul's Hospital, University of British Columbia  
Vancouver, BC, Canada

3:10 pm Panel Discussion

2:40 pm Evaluation of the Combined Organ Transplant Candidate  
Richard Formica, MD  
Yale University  
New Haven, CT, USA

2:55 pm Evaluation of the Living Kidney Donor  
David Landsberg, MD  
St. Paul's Hospital, University of British Columbia  
Vancouver, BC, Canada

3:10 pm Panel Discussion

3:20 pm – 3:45 pm Coffee Break

Avoidance and Management of Early and Late Complications  
Moderators: John Gill, MD, MS, University of British Columbia, Vancouver, BC, Canada and Richard Formica, MD, Yale University, New Haven, CT, USA

3:45 pm Surgical Complications After Kidney Transplantation for the Non-surgeon  
Kenneth Newell, MD, PhD  
Emory University  
Atlanta, GA, USA

4:00 pm Management of Malignancy; Pre and Post-Transplant Considerations and Management  
Chris Blosser, MD  
University of Washington  
Seattle, WA, USA

4:15 pm Management of the Failing/Failed Allograft  
Joshua Augustine, MD  
Cleveland Clinic Foundation  
Cleveland, OH, USA

4:30 pm Discussion

Transplant Infections  
Moderators: Joshua Augustine, MD, Cleveland Clinic Foundation, Cleveland, OH, USA and Chris Blosser, MD, University of Washington, Seattle, WA, USA

4:45 pm Challenging Cases in CMV  
Alissa Wright, MD  
University of British Columbia  
Vancouver, Canada

5:00 pm BK Virus – Prevention and Treatment  
Dan Brennan, MD  
Johns Hopkins Medical Institute  
Baltimore, MD, USA

5:15 pm Discussion

Managing and Mitigating Transplant Infections  
Room 6C

Candidates, Donors & Recipients: Diving into The Deep End  
Moderators: Daniel Kaul, MD, University of Michigan, Ann Arbor, MI, USA and Deepali Kumar, MD, MSc, FRCP, University Health Network, Toronto, ON, Canada

1:00 pm ID Evaluation of the Living Donor  
Cameron Wolfe, MD  
Duke University Medical Center  
Durham, NC, USA

1:20 pm HIV+ Candidate: Pre-Transplant Evaluation and Post-Transplant Management  
Emily Blumberg, MD  
Perelman School of Medicine at the University of Pennsylvania  
Philadelphia, PA, USA

1:40 pm Immunosuppression Considerations for The ID Physician  
Jay Fishman, MD  
Massachusetts General Hospital  
Boston, MA, USA

2:00 pm Discussion

Bread and Butter Transplant ID  
Moderators: Rachel Miller, MD, Durham, NC, USA & Stephanie Pouch, MD, MS, Emory University School of Medicine, Atlanta, GA, USA

2:10 pm Fungi Among Us: The Antifungal Landscape  
Barbara Alexander, MD  
Duke  
Durham, NC, USA

2:30 pm Non-Tuberculous Mycobacteria: From Outbreaks to Candidates  
Fernanda Silveira, MD, MS  
University of Pittsburgh  
Pittsburgh, PA, USA
2:50 pm  Parasites, SOT and Travel: A Long and Winding Road  
Camille Kotton, MD  
Massachusetts General Hospital  
Boston, MA, USA

3:10 pm  Discussion

3:20 pm  Coffee Break

A Little Help from Our Friends: Collaborating for A Diagnosis
Moderators: Michelle Morris, MD, FACP, FIDSA, University of Miami, Miami, FL, USA and Ricardo La Hoz, MD, UT Southwestern Medical Center, Dallas, TX, USA

3:45 pm  Dermatology and Transplant Infectious Disease
Fan Liu, MD  
University of Washington  
Seattle, WA, USA

4:05 pm  Radiology and Transplant Infectious Disease
Joel Fishman, MD, PhD  
University of Miami  
Miami Beach, FL, USA

4:25 pm  Operation! A Surgeons View of TID  
George Mazariegos, MD  
Children’s Hospital of Pittsburgh  
Pittsburgh, PA, USA

4:45 pm  Discussion

5:00 pm  Case Presentations
Ricardo La Hoz, MD  
UT Southwestern Medical Center  
Dallas, TX, USA

Narciso Theodoropoulos, MD, MS, FAST  
UMass Memorial Medical Center  
Worcester, MA, USA

Jonathan Hand, MD  
Oschner Medical Center  
New Orleans, LA, USA

Judith Anesi, MD  
University of Pennsylvania  
Philadelphia, PA, USA

Rapid-Fire Cases: Dare to Diagnose  
Moderators: Lara Danziger-Isakov, MD, MPH, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, USA and Camille Kotton, MD, Massachusetts General Hospital, Boston, MA, USA

Reaching Across the Diaphragm: Dilemmas Posed by Combined Heart and Liver Disease (Case-Focused Discussions)
Room 615-617

Can I Do this Heart Transplant?
Moderators: Shelley Hall MD, Baylor University Medical Center, Dallas, TX, USA and Scott Biggins, MD, University of Washington, Seattle, WA, USA

CASE 1: 27-Year-Old with a History of Congenital Heart Disease s/p Fontan Procedure Who is Undergoing Evaluation for Heart Transplantation.

1:00 pm  Reaching Adulthood Comes at a Price  
George Lui, MD  
Stanford University  
Stanford, CA, USA

1:20 pm  How Do I Assess Fibrosis in Patients with Congenital Heart Disease?  
Patrick Kamath, MD  
Mayo Clinic College of Medicine and Science  
Rochester, MN, USA

1:40 pm  Panel Discussion
CASE 2: 65-Year-Old Male with a History of Dilated Cardiomyopathy, Diabetes and Obesity Admitted to the CCU Who is Found to Have a Nodular Liver and a 1.5 cm Mass on Imaging.

2:00 pm  The Nodular Liver in The Older Adult with Heart Disease: Is It Cirrhosis?
Catherine Frenette, MD, FAST, AGAF
Scripps Green Hospital
La Jolla, CA, USA

2:20 pm  Focal Liver Lesions in Congestive Hepatopathy: Is It HCC?
Maarouf A. Hoteit, MD
University of Pennsylvania
Philadelphia, PA, USA

2:40 pm  Panel Discussion

3:00 pm  Coffee Break

Can I Do this Liver Transplant?
Moderators: Deepika Devuni, MD, University of Massachusetts, Westborough, MA, USA and Daniel Ganger, MD, Northwestern University, Chicago, IL, USA

CASE 1: 45-Year-Old Female with ESLD Secondary to HCV Complicated by 3cm HCC and Prior History of Atrial Fibrillation Undergoing Evaluation for Liver Transplantation.

3:45 pm  How Do I Assess Cardiovascular Physiology in End-Stage Liver Disease? Pearls and Pitfalls
Ryan Tedford, MD
Medical University of South Carolina
Charleston, SC, USA

4:05 pm  Cirrhotic Cardiomyopathy: Myth or Reality?
Lisa VanWagner, MD, MSc
Northwestern University
Chicago, IL, USA

4:25 pm  Panel Discussion

CASE 2: 64-Year-Old Male With ESLD Secondary to Alcohol Complicated by Bleeding Esophageal Varices and Recurrent Hepatic Encephalopathy, Prior MI and HTN Found to have Severe Aortic Stenosis on Screening Echocardiogram.

4:40 pm  Evaluation and Management of Ischemic Heart Disease Prior to Liver Transplantation: From Regulatory to Reality: Critical Coronary Artery Stenosis Is 45 Year Old with A MELD of 40
Sean Pinney, MD
Icahn School of Medicine at Mount Sinai
New York, NY, USA

5:00 pm  Valvular Heart Disease and Liver Transplant: Is TAVR an Option? Critical Valvular Heart Disease, How to Approach
Duc Thinh Pham, MD
Northwestern University
Chicago, IL, USA

5:20 pm  Discussion

Immunobiology of ABMR – Bench to Bedside
Room 608-609

The Benchside View of ABMR
Moderators: Anat Tambur, DMD, PhD, Northwestern University, Chicago, IL, USA and Anita Chong, PhD, University of Chicago, Chicago, IL, USA

1:00 pm  Biology of ABMR
Anita Chong, PhD
University of Chicago
Chicago, IL, USA

1:20 pm  Discussion

1:25 pm  ABMR – Effector Pathways
William Baldwin, MD, PhD
Cleveland Clinic Main Campus, Lerner Research Institute
Cleveland, OH, USA

1:45 pm  Discussion

1:50 pm  Hot Topics in ABMR Pathology
Diagnostics
Michael Mengel, MD
University of Alberta
Edmonton, AB, Canada

2:10 pm  Discussion
2:15 pm  Hot Topics in ABMR Serum Diagnostics
Nicole Valenzuela, PhD, D(ABHI)
University of California, Los Angeles - Immunogenetics
Los Angeles, CA, USA

2:35 pm  Discussion

2:40 pm  Panel Q&A – Case Discussion

3:00 pm – 3:30 pm  Coffee Break

The Bedside View of ABMR
Moderators:  Anat Tambur, DMD, PhD, Northwestern University, Chicago, IL, USA and Peter Nickerson, MD, Canadian Blood Services, Winnipeg, MB, Canada

3:30 pm  Access for the Highly-Sensitized Patient
Mark Stegall, MD
Mayo Clinic
Rochester, MN, USA

3:50 pm  Discussion

3:55 pm  Is There a Standard of Care for ABMR?
Arjang Djamali, MD
University of Wisconsin School of Medicine and Public Health
Madison, WI, USA

4:15 pm  Discussion

4:20 pm  Is There a Link Between Acute/Chronic ABMR?
Mark Haas, MD, PhD
Cedars-Sinai Medical Center
Los Angeles, CA, USA

4:45 pm  Is There Anything in The Pipeline for ABMR?
Peter Nickerson, MD
Canadian Blood Services
Winnipeg, MB, Canada

5:05 pm  Discussion

5:10 pm  Panel Q&A – Case Discussion

Opening Reception with Exhibits
5:30 pm – 7:30 pm

Poster Session A – Presenters in Attendance

Hall 4EF
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 123-158.
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<td>Keep It Going! Long-Term Success After Heart Transplantation</td>
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<td>Pulmonary Vascular Complications of Liver Disease: Management and Outcomes Pre- and Post-Transplant</td>
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<td>Virtual Transplant Diagnostic Testing</td>
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<td>Multidisciplinary Transplant Trainee Hot Topic Debate</td>
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<td>7:00 am – 8:15 am</td>
<td>Sunrise Didactic</td>
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<td>VCA: Where are we now?</td>
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<td>Single vs. Dual Kidney Transplantation: 2 for 1 or 1 for 2?</td>
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<td>Understanding and Optimizing Liver Transplantation Outcomes in the Obese Cirrhotic Patient</td>
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<td>Frontiers in CMV - Bench to Bedside</td>
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<td>Decision-Making for the Complicated Diabetic Patient</td>
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<td>Role of Autophagy in Regulation of Immune Responses</td>
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<td>New Indications and Approaches in Targeting Tregs</td>
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<td>8:30 am – 9:30 am</td>
<td>Plenary Session</td>
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<td>Plenary Session I</td>
<td>Room Hall 4B</td>
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<td>9:30 am – 9:45 am</td>
<td>Joint Award Session</td>
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<td>9:45 am – 10:00 am</td>
<td>AST Awards</td>
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<td>10:00 am – 10:15 am</td>
<td>AST Lifetime Achievement Award</td>
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<tr>
<td>10:15 am – 10:30 am</td>
<td>ASTS Research Awards</td>
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<tr>
<td>10:30 – 10:45 am</td>
<td>ASTS Pioneer Award</td>
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<tr>
<td>10:45 am – 11:15 am</td>
<td>Coffee Break</td>
<td>Exhibit Hall</td>
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<tr>
<td>11:15 am – 12:45 pm</td>
<td>Midday Interactive</td>
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Is It Time to Change the Pediatric Kidney Allocation Paradigm from Expedited Transplantation or to Delay Transplantation to Focus On Better Class II HLA Epitope Matching?
Room 611-614

11:15 am – 12:45 pm Midday Didactic

VCA: From Head to Finger Update
Room 4C-3

To Pump or Not to Pump
Room 6A

Quagmires in Donor Heart Allocation
Room 618-620

Acute and Chronic Antibody Mediated Rejection in Lung Transplant: Alloimmunity and Autoimmunity
Room 615-617

Top Papers in Transplant Infectious Diseases
Room 6E

Bench to Bedside- Costimulatory and Co-Inhibitory Pathways in Transplantation
Room 602-604

Epigenetic Regulation of T Cell Responses
Room 608-609

Emerging Areas in Regulation of Immunity and Immunosuppression
Room XX

Challenges in Managing Antibody-mediated Allograft Injury
Room Hall 4B

1:00 pm – 2:15 pm Sponsored Satellite Symposia Located in the Sheraton Seattle Hotel

Sponsored by Sanofi Genzyme

1:00 pm – 2:15 pm Luncheon Workshops

VCA: From Head to Finger Update
Room 4C-3

To Pump or Not to Pump
Room 6A

Quagmires in Donor Heart Allocation
Room 618-620

Acute and Chronic Antibody Mediated Rejection in Lung Transplant: Alloimmunity and Autoimmunity
Room 615-617

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Bench to Bedside- Costimulatory and Co-Inhibitory Pathways in Transplantation
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Emerging Areas in Regulation of Immunity and Immunosuppression
Room XX

Challenges in Managing Antibody-mediated Allograft Injury
Room Hall 4B

1:00 pm – 2:15 pm Luncheon Workshops

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Room 602-604

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Room 608-609

Emerging Areas in Regulation of Immunity and Immunosuppression
Room XX

Challenges in Managing Antibody-mediated Allograft Injury
Room Hall 4B

1:30 pm – 4:00 pm Transplantation in Depth (Basic)

Mechanisms of Tissue Fibrosis and How They Apply to Chronic Allograft Injury
Room 608-609

2:30 pm – 6:00 pm Featured Multidisciplinary Transplant Professionals Symposium I

Assessing and Addressing Medication Non-Adherence in the “Real World” Clinical Setting
Room 611-614

The Science, The Art, And The Allure of Transplantation
Room 618-620
### AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Sunday, June 3, 2018

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  - Islet Cell and Cell Transplantation Room 2AB

- **Page 27**
  - Kidney Acute Antibody Mediated Rejection Room Hall 4B

- **Page 28**
  - Kidney Deceased Donor Allocation - 1 Room 6E

- **Page 29**
  - Kidney Immunosuppression: mTORi Based Regimens Room 6A

- **Page 30**
  - Kidney Infectious - Viral Hepatitis Room 4C-4

- **Page 30**
  - Kidney Living Donor: Selection Room 606/607

- **Page 31**
  - Kidney: Pediatrics - 1 Room 3AB

- **Page 32**
  - Liver: Immunosuppression and Rejection Room 6B

- **Page 33**
  - Liver: Recipient Selection Room 6C

- **Page 34**
  - Lung: From Allocation to Outcomes Room 303

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  - Small Bowel: All Topics Room 210

- **Page 35**
  - Xenotransplantation Room 602/603/604

- **Page 38**
  - Acute Rejection Room 6A

- **Page 39**
  - Kidney Complications: Disease Recurrence Room Hall 4B

- **Page 40**
  - Kidney Donor Selection / Management Issues - 1 Room 6E

- **Page 40**
  - Kidney Immunosuppression: Co-Stimulation Based Regimens Room 6C

- **Page 41**
  - Kidney Psychosocial - 1 Room 210

- **Page 42**
  - Kidney Transplant Goes Viral Room 606/607

- **Page 43**
  - Kidney: Cardiovascular and Metabolic - 1 Room 303

- **Page 43**
  - Liver - Kidney Issues in Liver Transplantation Room 6B

- **Page 44**
  - Non-Organ Specific: Disparities to Outcome and Access to Healthcare Room 4C-4

- **Page 45**
  - Novel Therapeutics Room 602/603/604
The Guest That NEVER Leaves: Immunologic Challenges in Heart Transplantation
Room 4C-3

5:45 pm – 7:00 pm ASTS Town Hall and Reception

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Room 2AB

6:00 pm – 7:00 pm Poster Session B Presenters in Attendance
Hall 4EF
Sunrise Interactive
7:00 am – 8:15 am

*Keep It Going! Long-Term Success After Heart Transplantation*

**Room 615-617**
Moderators:  David Baran, MD, Sentara Heart Hospital, Norfolk, VA, USA and Maryjane Farr, MD, Columbia University Medical Center, New York, NY, USA

7:00 am  How Should We Monitor and Immunosuppress?
Allen Anderson, MD
Northwestern University
Chicago, IL, USA

7:20 am  Getting Kids to Adulthood – Managing The Pediatric Population
Hannah Copeland, MD
University of Mississippi
Jackson, MS, USA

7:40 am  A Third Chance – Which Patients and When for Retransplantation?
Howard Eisen, MD
Drexel University College of Medicine
Philadelphia, PA, USA

8:00 am  Discussion

*Pulmonary Vascular Complications of Liver Disease: Management and Outcomes Pre- and Post-Transplant*

**Room 618-620**
Moderators:  Reena Salgia, MD, Henry Ford Hospital, Detroit, MI, USA and Srinath Chinnakotla, MD, MBA, University of Minnesota Medical School, Minneapolis, MN, USA

7:00 am  Screening, Evaluation, And Treatment of Porto-Pulmonary Hypertension (POPH)
Michael Fallon, MD
University of Arizona College of Medicine
Phoenix, AZ, USA

7:20 am  Current Approach to Hepatopulmonary Syndrome (HPS) Diagnosis and Management
Michael Krowka, MD
Mayo Clinic
Rochester, MN, USA

7:40 am  Intraoperative Management of Portopulmonary Hypertension and Hepatopulmonary Hypertension
Michael Ramsay, MD, FRCA
Baylor University Medical Center
Dallas, TX, USA

8:00 am  Discussion

*Virtual Transplant Diagnostic Testing*

**Room 611-614**
Moderators:  Howard Gebel, PhD, Emory University Hospital, Atlanta, GA, USA and Annette Jackson, PhD, Johns Hopkins University, Baltimore, MD, USA

7:00 am  Predicting Lymphocyte Crossmatch Outcomes Virtually
Anat Tambur, DMD, PhD
Northwestern University
Chicago, IL, USA

7:20 am  Utilization of Virtual Crossmatching Across All Solid Organ Types with Accuracy: Limitations for Hitting the Target
Robert Bray, PhD
Emory University Hospital
Atlanta, GA, USA

7:40 am  Virtual Crossmatch: Patient Outcomes and Future Directions
Peter Jindra, PhD
Baylor College of Medicine
Houston, TX, USA

8:00 am  Discussion

*Multidisciplinary Transplant Trainee Hot Topic Debate*

**Room 602-604**
Moderators:  Christin Rogers, PharmD, BCPS, Beth Israel Deaconess Medical Center and Josh Levitsky, MD, MS, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

7:00 am  Hopkins Team: Use of HCV + Donors Should Be Considered Standard of Care
7:10 am  UPENN Team: Use of HCV + Donors Should Be Restricted to Research Protocols
Team Mentor:
David Goldberg, MD, MSCE
University of Pennsylvania
Philadelphia, PA, USA

UPENN Team:
Behdad Besharatian, MD
Hospital of the University of Pennsylvania
Philadelphia, PA, USA

Judith Anesi, MD
University of Pennsylvania
Philadelphia, PA, USA

Grace Lee, MD, MSME
Hospital of the University of Pennsylvania
Philadelphia, PA, USA

Stephanie Hamel, PharmD
Hospital of the University of Pennsylvania
Philadelphia, PA, USA

Therese Bitterman, MD
University of Pennsylvania
Philadelphia, PA, USA

7:20 am  Team Discussion
7:25 am  Hopkins Rebuttal Supporting Standard of Care Position
7:35 am  UPENN Rebuttal Supporting Restriction to Research Position
7:45 am  Q&A from Judges and/or Audience
8:00 am  Judge/Audience Decision
Josh Levitsky, MD, MS
Northwestern University Feinberg School of Medicine
Chicago, IL, USA

Sunrise Didactic
7:00 am – 8:15 am

VCA: Where are we now?
Room 4C-3
Moderators: Giuliano Testa, MD, FACS, MBA, Baylor University Medical Center, Dallas, TX, USA and Linda Cendales, MD, Duke University Medical Center, Durham, NC, USA

7:00 am  Translational Science in VCA: Where are we Now?
Rolf Barth, MD
University of Maryland School of Medicine
Baltimore, MD, USA
7:25 am  Current Status of VCA in the United States  
Wida Cherikh, PhD  
United Network for Organ Sharing  
Richmond, VA, USA

7:50 am  Where Now From Here? Ethical Considerations in VCA  
Emmanuel Morelon, MD  
Université de Lyon  
Lyon, France

Single vs. Dual Kidney Transplantation: 2 for 1 or 1 for 2?  
Room 6B  
Moderators:  Jayme Locke, MD, MPH, FACS, University of Alabama at Birmingham, Birmingham, AL, USA and Richard Formica, MD, Yale University, New Haven, CT, USA

7:00 am  Adult  
Robert Stratta, MD  
Wake Forest Baptist Health  
Winston-Salem, NC, USA

7:25 am  Pediatric  
Richard Perez, MD  
University of California Davis  
Sacramento, CA, USA

7:50 am  UNOS Policy Updates  
Mark Aeder, MD  
University Hospitals Cleveland Medical Center  
Cleveland, OH, USA

Understanding and Optimizing Liver Transplantation Outcomes in the Obese Cirrhotic Patient  
Room 6A  
Moderators:  Erin Spengler, MD, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA and Lisa VanWagner, MD, Northwestern University, Chicago, IL USA

7:00 am  Optimizing Medical Management of the Obese Liver Transplant Candidate  
Kris Kowdley, MD  
Swedish Medical Center  
Seattle, WA, USA

7:25 am  Bariatric Surgery and Liver Transplantation: Who, When and How?  
Julie Heimbach, MD  
Mayo Clinic  
Rochester, MN, USA

7:50 am  Perioperative Morbidity and Long Term Patient and Graft Survival in Morbidly Obese Liver Transplant Recipients  
Andre Dick, MD, MPH  
Seattle Children’s Hospital  
Seattle, WA, USA

Frontiers in CMV - Bench to Bedside  
Room 6E  
Moderators:  Andre Kalil, MD, University of Nebraska, Omaha, NE, USA and Nicolas Mueller, MD, University Hosp Zurich, Zurich, Switzerland

7:00 am  CMV virology: What the Clinician Needs to Know  
Vincent Emery, BSc, PhD  
University of Surrey  
Guildford, UK

7:25 am  CMV Immune Monitoring: Are we there yet?  
Martina Sester, PhD  
Saarland University  
Hamburg, Germany

7:50 am  New Antivirals for CMV  
Ajit Limaye, MD  
University of Washington  
Seattle, WA, USA

Decision-Making for the Complicated Diabetic Patient  
Room 608-609  
Moderators:  Marlon Levy, MD, FACS, VCU, Richmond, VA, USA and Robert Redfield, MD, University of Wisconsin, Madison, WI, USA

7:00 am  Pancreas Transplant Alone  
Dixon Kaufman, MD, PhD  
University of Wisconsin  
Madison, WI, USA

7:25 am  SPK v. Kidney Alone  
Peter Abrams, MD  
MedStar Georgetown Transplant Institute  
Washington DC, USA
AMERICAN TRANSPLANT CONGRESS
Program, Sunday, June 3, 2018

7:50 am  Living Donor Kidney / Pancreas After Kidney
Mark Stegall, MD
Mayo Clinic
Rochester, MN, USA

Role of Autophagy in Regulation of Immune Responses

Room 606-607
Moderators: Andrew Wells, PhD, University of Pennsylvania CHOP, Philadelphia, PA, USA and Jonathan Bromberg, MD, PhD, University of Maryland School of Medicine, Baltimore, MD, USA

7:00 am  Autophagy and Memory
Jin Wang, MD
Houston Methodist
Houston, TX, USA

7:25 am  Mechanisms and Implications of Regulated Cell Death
Andreas Linkerman
TU Dresden
Dresden, Germany

7:50 am  Autophagy in Regulation of Organ Injury and Repair
Jerzy Kupiec-Weglinski, MD, PHD
University of California, Los Angeles
Los Angeles, CA, USA

New Indications and Approaches in Targeting Tregs

Room 6C
Moderators: Qizhi Tang, PhD, University of California SF, San Francisco, CA, USA and Angus Thompson, PhD, DSc, University of Pittsburgh, Pittsburgh, PA, USA

7:00 am  Chimeric Antigen Receptors and Donor- Specific Tregs in Transplantation
Antoine Sicard, MD, PhD
University of British Columbia
Vancouver, Canada

7:25 am  Tregs Promote Chimerism and Tolerance
Megan Sykes, MD
Columbia University
New York, NY, USA

7:50 am  Suppression, Anergy and Tolerance Inter-Relations
Daniel Mueller, MD
University of Minnesota
Minneapolis, MN, USA

Special Considerations in Transplanting the Very Young

Room 4C-4
Moderators: Michael Green, MD, MPH, Children’s Hospital of Pittsburgh, Pittsburgh, PA, USA and Jorge Reyes, MD, University of Washington, Seattle, WA, USA

7:00 am  Neurocognitive Outcomes in Very Young Transplant Recipients
Beth Logan, PhD
Children’s Hospital of Pittsburgh of UPMC
Pittsburgh, PA, USA

7:25 am  Infectious Complications in Very Young Transplant Recipients
Lara Danzinger, MD, MPH
Cincinnati Children’s Hospital Medical Center
Cincinnati, OH, USA

7:50 am  Immunological Considerations for the Young Transplant Recipient
Srinath Chinnakotla, MD, MBA
University of Minnesota Medical School
Minneapolis, MN, USA

Break
8:15 am - 8:30 am

Plenary Session I
8:30 am – 9:30 am

Room Hall 4B
Chairs: Jean Emond and Ronald Gill

8:30 am  Carfilzomib and Belatacept Reduces DSA and Prolongs Survival in a Highly Sensitized Rhesus Model of Kidney Transplantation (Abstract #1)
Brian Ezekian, Jean Kwun, Paul M. Schroder, Miriam Manook, Janghoon Yoon, Michael S. Mulvihill, Kyle Freischlag, Joshua Cochran, Kayla Kroning, John S. Yi, Stuart J. Knechtle
Durham, NC.
8:45 am  Designing Novel Selective Immunoproteasome Inhibitors Reveals a Critical Role of the Immunoproteasome in Protecting Antibody Secreting B Cells from Apoptosis (Abstract #2)

9:00 am  Depletion Resistant Effector Memory T Cells Mediate Thymoglobulin Refractory Allograft Rejection in Human Intestinal Transplant Recipients (Abstract #3)

9:15 am  Superiority of Early Everolimus-Based Quadruple Immunosuppression versus Standard Triple Therapy after Lung Transplantation: 12 Months Results from Prospective 4EVERLUNG Study in Germany (Abstract #4)
Jens Gottlieb, Claus Neurohr, Joachim Müller-Quernheim, Hubert Wirtz, Björn Sill, Heinrike Wilkens, Vasiliki Bessa, Christoph Knosalla, Martina Junge, Carmen Capusan, Martin Strüber. Hannover, Germany; München, Germany; Freiburg, Germany; Leipzig, Germany; Hamburg, Germany; Homburg, Germany; Essen, Germany; Berlin, Germany; Nürnberg, Germany.

Joint Award Session
9:30 am – 9:45 am
Room Hall 4B

AST Awards
9:45 am – 10:00 am
Room Hall 4B

AST Lifetime Achievement Award
10:00 am – 10:15 am
Room Hall 4B

ASTS Research Awards
10:15 am – 10:30 am
Room Hall 4B

ASTS Pioneer Award
10:30 am – 10:45 am
Room Hall 4B

Coffee Break in the Exhibit Hall
10:45 am – 11:15 am
Room Hall 4EF

Midday Interactive
11:15 am – 12:45 pm

Liver Transplantation for Alcohol Hepatitis
Room 6C
Moderators: Elizabeth Verna, MD, MS, Columbia University, New York, NY, USA and Thomas D. Schiano, MD, Mount Sinai Medical Center, New York, NY, USA

11:15 am PRO: Liver Transplantation for Alcoholic hepatitis: Just One More Drink
Christophe Moreno, MD, PhD
CUB Hôpital Erasme
Brussels, Belgium

11:35 am CON: Liver Transplantation For Alcoholic Hepatitis: A Liver Down The Drain
James Fung, MD
The University of Hong Kong
Hong Kong, China

11:55 am PRO: Rebuttals
Christophe Moreno, MD, PhD
CUB Hôpital Erasme
Brussels, Belgium

12:05 pm CON: Rebuttals
James Fung, MD
The University of Hong Kong
Hong Kong, China

12:15 pm Discussion
Should We Continue Prioritizing Kidney-Heart and Kidney-Liver Transplant Candidates Over Kidney-Alone Candidates?

Room 6B
Moderators: Jon Kobashigawa, MD, Cedars Sinai Heart Institute, Los Angeles, CA, USA and Robert Steiner, MD, University of California San Diego Medical Center, Center for Transplantation, San Diego, CA, USA

11:15 am PRO: Should We Continue Prioritizing Kidney-Heart and Kidney-Liver Transplant Candidates Over Kidney-Alone Candidates?
Paige Porrett, MD, PhD
University of Pennsylvania
Philadelphia, PA, USA

11:35 am CON: Should We Continue Prioritizing Kidney-Heart and Kidney-Liver Transplant Candidates Over Kidney-Alone Candidates?
Stuart Flechner, MD
Cleveland Clinic Foundation
Cleveland, OH, USA

11:55 am PRO: Rebuttals
Paige Porrett, MD, PhD
University of Pennsylvania
Philadelphia, PA, USA

12:05 pm CON: Rebuttals
Stuart Flechner, MD
Cleveland Clinic Foundation
Cleveland, OH, USA

12:15 pm Discussion

Is It Time to Change the Pediatric Kidney Allocation Paradigm from Expedited Transplantation or to Delay Transplantation to Focus On Better Class II HLA Epitope Matching?

Room 611-614
Moderators: Peter Nickerson, MD, Canadian Blood Services, Winnipeg, MB, Canada and Minnie Sarwal, MD, University of California San Francisco, San Francisco, CA, USA

11:15 am PRO: Better Class II Matching Is Critical in Pediatric Renal Transplant Recipients in Light of the High Incidence of Medication Non-Adherence and Subsequent Development of Destructive Donor Specific Antibodies
Priya Verghese, MD
University of Minnesota
Minneapolis, MN, USA

11:35 am CON: Even with Improved Medical Management and Dialysis Modalities, Children and Adolescents Must Be Transplanted as Soon as Possible Irrespective of HLA Mismatching
Walter Andrews, MD
Children’s Mercy Hospital
Kansas City, MO, USA

11:55 am PRO: Rebuttals
Priya Verghese, MD
University of Minnesota
Minneapolis, MN, USA

12:05 pm CON: Rebuttals
Walter Andrews, MD
Children’s Mercy Hospital
Kansas City, MO, USA

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

**VCA: From Head to Finger Update**

**Room 4C-3**

Moderators: Rolf Barth, MD, University of Maryland School of Medicine, Baltimore, MD, USA and Darla Granger, MD, FACS, St John Hospital & Medical Center, Detroit, MI, USA

11:15 am  
**Cortical Reorganization After Limb Transplantation**  
Scott Frey, PhD  
University of Missouri  
Columbia, MO, USA

11:45 am  
**Effects of Ex-Situ Perfusion in Limb Transplantation**  
Kagan Ozer, MD  
University of Michigan  
Ann Arbor, MI, USA

12:15 pm  
**Barriers and Opportunities in VCA Donation**  
Chris Curran, CTPC, CTBS  
New England Donor Services  
Waltham, MA, USA

**To Pump or Not to Pump**

**Room 6A**

Moderators: John Renz, MD, FACS, PhD, University of Chicago Medicine, Chicago, IL, USA and Marcelo Cypel, MD, Toronto Lung Transplant Program, Toronto, ON, Canada

11:15 am  
**Some Like It “Hot”**  
Peter Friend, MD  
University of Oxford  
Oxford, United Kingdom

11:45 am  
**Some Like It Cold**  
James Guerrera, MD, FACS  
Rutgers New Jersey Medical School/University Hospital  
Newark, NJ, USA

12:15 pm  
**Some Like It On the Rocks**  
Alan Langnas, DO  
UNMC  
Omaha, NE, USA

**Quagmires in Donor Heart Allocation**

**Room 618-620**

Moderators: Sean Pinney, MD, Icahn School of Medicine at Mount Sinai, New York, NY, USA and Francisco Arabía, MD, Cedars-Sinai Medical Center, Los Angeles, CA, USA

11:15 am  
**Competing Priorities: Medical Urgency vs. Predicted Outcomes in Heart Allocation**  
Monica Colvin, MD, MS  
University of Michigan Health System  
Ann Arbor, MI, USA

11:35 am  
**Candidate Risk Score - Weighing Waitlist Mortality in Heart Allocation**  
Jacqueline Smits, MD, MSc, PhD  
Eurotransplant International  
Leiden, Netherlands

11:55 am  
**Heart Allocation Score vs. The Real World**  
Andreas Zuckermann, MD  
Medical University of Vienna  
Vienna, Austria

12:15 pm  
**Reforming the Heart Transplant Waitlist**  
Maryjane Farr, MD  
Columbia University Medical Center, New York, NY, USA

12:35 pm  
**Discussion**

**Acute and Chronic Antibody Mediated Rejection in Lung Transplant: Alloimmunity and Autoimmunity**

**Room 615-617**

Moderators: Jose Torrealba, MD, University of Texas Southwestern Medical Center, Dallas, TX, USA and Adriana Zeevi, PhD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

11:15 am  
**Antibody-Mediated Rejection in the Lung Transplant. Overview, Incidence, Treatment and Outcome - The UTSW Experience**  
Jose Torrealba, MD  
University of Texas Southwestern Medical Center  
Dallas, TX, USA
11:45 am  Alloantibodies and Autoantibodies in Lung Transplant
Adriana Zeevi, PhD
University of Pittsburgh Medical Center
Pittsburgh, PA, USA

12:15 pm  Anti-Collagen V autoimmunity of the Lung: Chronic Rejection and Bronchiolitis Obliterans Syndrome (BOS)
William Burlingham, PhD
University of Wisconsin
Madison, WI, USA

**Top Papers in Transplant Infectious Diseases**

Room 6E
Moderators: Camille Kotton, MD, Massachusetts General Hospital, Boston, MA, USA and Deepali Kumar, MD, MSc, FRCPC, FAST, University Health Network, Toronto, ON, Canada

11:15 am  Top Bacterial Papers
Jonathan Hand, MD
Oschner Medical Center
New Orleans, LA, USA

11:45 am  Top Viral Papers
Raymund Razonable, MD
Mayo Clinic
Rochester, MN, USA

12:15 pm  Top Fungal Papers
Shmuel Shoham, MD
Johns Hopkins University School of Medicine
Baltimore, MD, USA

**Bench to Bedside- Costimulatory and Co-Inhibitory Pathways in Transplantation**

Room 602-604
Moderators: Mandy Ford, PhD, Emory University, Atlanta, GA, USA and Leonardo Riella, MD, PhD, Brigham and Women’s Hospital, Boston, MA, USA

11:15 am  Basic Science
Mandy Ford, PhD,
Emory University
Atlanta, GA, USA

11:45 am  Translational
Chris Larsen, MD, DPhil
Emory University
Atlanta, GA, USA

12:15 pm  Clinical
Flavio Vincenti, MD
University of California San Francisco
San Francisco, CA, USA

**Epigenetic Regulation of T Cell Responses**

Room 608-609
Moderators: Melissa Yeung, MD, Brigham & Women’s Hospital, Boston, MA, USA and David Rothstein, MD, Thomas E Starzl Transplant Institute, Pittsburgh, PA, USA

11:15 am  Mechanisms Guiding Effector CD8 T Cell Differentiation
Benjamin Youngblood, PhD
St. Jude Children’s Research Hospital
Memphis, TN, USA

11:45 am  Epigenetic Control of CD8+ T cell Responses to Viral Infections
TBD

12:15 pm  Self Tolerance and Epigenetic Imprinting
Andrea Schietinger, PhD
Memorial Sloan Kettering Cancer Center
New York, NY, USA

**Emerging Areas in Regulation of Immunity and Immunosuppression**

Moderators: Maria-Luisa Alegre, MD, PhD, University of Chicago, Chicago, IL, USA and Fadi Lakkis, MD, University of Pittsburgh, Pittsburgh, PA, USA

11:15 am  Peripheral Neurons in Regulation of Immune Responses
TBD

11:45 am  Exosomes in regulation of Immune Responses
Adrian Morelli, MD, PhD
University of Pittsburgh Medical Center
Pittsburgh, PA, USA

12:15 pm  The Impact of Microbiota on Immunity and Immune Regulation
Jonathan Bromberg, MD, PhD
University of Maryland School of Medicine
Baltimore, MD, USA
Challenges in Managing Antibody-mediated Allograft Injury

Hall 4B
Moderators: Howard Gebel, PhD, Emory University Hospital, Atlanta, GA, USA and Robert Montgomery, MD, DPhil, FACS, New York University Langone Health, New York, NY, USA

11:15 am  Management of the Transplant Recipient with DSA and A Negative CXM
Denis Glotz, MD, PhD
Hopital Saint – Louis
Paris, France

11:45 am  Treatment of AMR
E. Steve Woodle, MD
University of Cincinnati College of Medicine
Cincinnati, OH, USA

12:15 pm  Treatment of CMR
Kathryn Tinckam, MD, MMSc, FRCPC
University of Health Network
Toronto, ON, Canada

Break

12:45 pm – 1:00 pm

Sponsored Satellite Symposia
Located in the Sheraton Seattle Hotel
1:00 pm – 2:15 pm

How Can We Improve Outcomes at Our Transplant Centers?: Expanding Deceased Donor Transplantation, Understanding Center Performance and Outcomes, Practicing Evidence-Based strategies that could Protect Against Acute Rejection
Supported by Sanofi Genzyme

Grand Ballroom A-C, Level 2

Strategies to Improve Long-Term Graft Outcome
Supported by One Lambda, Inc.

Metropolitan Ballroom A/B, Level 3

Luncheon Workshops (Additional Fee)
1:00 pm – 2:15 pm

1. Controversies in BK: A Case-Based Approach
Moderators: Hans Hirsch, MD, MSc, University of Basel, Basel, Switzerland and Dan Brennan, MD, Johns Hopkins Medical Institute, Baltimore, MD, USA

2. Social Media in Organ Donation and Education
Moderators: Jeffrey Orlowski, MS, LifeShare Transplant Donor Services of Oklahoma, Oklahoma City, OK, USA and David Fleming, MBA, Donate Life, Richmond, VA, USA

3. Care of Allograft Recipients in Transition (CARE-ART)
Moderators: James Rice, MD, Scripps Center for Organ Transplantation, La Jolla, CA, USA and Darshana Dadhania, MD, MS, FAST, Weill Cornell Medicine - NYPH, New York, NY, USA

Transplantation in Depth (Basic)
1:30 pm – 4:00 pm

Mechanisms of Tissue Fibrosis and How They Apply to Chronic Allograft Injury

Room 608-609
Moderators: Wayne Hancock, MD, PhD, Children’s Hospital of Philadelphia, Philadelphia, PA, USA and Barbara Murphy, MD, Mount Sinai School of Medicine, New York, NY, USA

1:30 pm  Role of Myeloid Cells in Tissue Fibrosis
TBD

2:00 pm  Endothelial Mesenchymal Transition (EMT) in Tissue Fibrosis
Raghu Kalluri, MD, PhD
University of Texas MD Anderson Cancer Center
Houston, TX

2:30 pm  Metabolic Switch and Fibrosis
Katalin Susztak, MD, PhD
University of Pennsylvania
Philadelphia, PA, USA

3:00 pm  Genomics of Kidney Transplant Fibrosis
Barbara Murphy, MD
Mount Sinai School of Medicine
New York, NY, USA
<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>3:30 pm</td>
<td>Chronic Allograft Dysfunction of the Lung, Clinical, Genomic and Immunological Insights Scott Palmer, MD, MHS Duke University Medical Center Durham, NC, USA</td>
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</tbody>
</table>

**Concurrent Oral Abstract Sessions**

2:30 pm – 4:00 pm

**Antigen Presentation / Allorecognition / Dendritic Cells**

**Room 4C-3**

Chairs: Adrian Morelli, MD, PhD, University of Pittsburgh, Pittsburgh, PA, USA and Heth Turnquist, PhD, University of Pittsburgh School of Med, Starzl Transplant Inst., Pittsburgh, PA, USA

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<tr>
<th>Time</th>
<th>Abstract</th>
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<tr>
<td>2:30 pm</td>
<td>mTORC2 Deficiency in CD11c+ dendritic Cells Promotes Acute Kidney Injury (Abstract #5) Helong Dai, Alicia Watson, Daniel Fantus, Longkai Peng, Angus W. Thomson, Natasha M. Rogers. Pittsburgh; Changsha, China.</td>
</tr>
<tr>
<td>2:42 pm</td>
<td>Myeloid-Derived Suppressor Cells Suppress with Enhanced Donor Specificity in Donor ECDI-SP Treated Recipients (Abstract #6) Lei Zhang, Jiaojin Wang, Zheng Zhang, Xunrong Luo. Chicago.</td>
</tr>
<tr>
<td>2:54 pm</td>
<td>Glycolytic Bias in mTORC2-Deficient Dendritic Cells Potentiates Antigen-Specific Immunity and Accelerates Graft Rejection (Abstract #7) Alicia Watson, Helong Dai, Julio Diaz-Perez, Ashley Menk, Meaghan Killeen, Greg Delgoffe, Alicia Mathers, Angus Thomson. Pittsburgh, PA.</td>
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<tr>
<td>3:06 pm</td>
<td>Origin and Traffic of Donor-Derived Extracellular Vesicles during Allosensitization (Abstract #8) Furong Zeng, William J. Shufesky, Muqing Yang, Quan Liu, Adriana T. Larregina, Adrian E. Morelli. Pittsburgh, PA.</td>
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<tr>
<td>3:18 pm</td>
<td>In Vivo Imaging and Function of Renal Tertiary Lymphoid Organs (Abstract #10) Khodor Abou-Daya, Daqiang Zhao, Amanda Williams, Martin Oberbarnscheidt. Pittsburgh.</td>
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<tr>
<td>3:30 pm</td>
<td>DAP12 and Its Triggering Co-Receptor TREM2 Play Key Roles in Regulation of Mouse and Human Liver DC Function and Control of Liver Ischemia-Reperfusion Injury (Abstract #11) Toshimasa Nakao, Yoshihiro Ono, Helong Dai, Angelica Perez-Gutierrez, Geoffrey Camirand, Hai Huang, David A. Geller, Angus W. Thomson. Pittsburgh, PA.</td>
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**Islet Cell and Cell Transplantation**

**Room 2AB**

Chairs: Paolo Fiorina, MD, PhD, Children’s Hospital Boston, Boston, MA, USA and Xunrong Luo, MD, PhD, Northwestern University, Chicago, IL, USA

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<tr>
<th>Time</th>
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<tr>
<td>2:30 pm</td>
<td>An Effective Tolerance Approach for Porcine Islet Xenotransplantation in Humanized Mice (Abstract #12) Frances T. Lee, Anil Dangi, Melanie Burnette, Xiaomin Zhang, Bernhard Hering, Xunrong Luo. Chicago, IL; Minneapolis, MN.</td>
</tr>
<tr>
<td>2:42 pm</td>
<td>Early Blockade of Toll-Like Receptor 4 Reduces Ischemia-Reperfusion Injury and Improves Islet Transplantation Outcomes (Abstract #13) Charles A. Chang, Michael C. Lawrence, Robert R. Kane, Bashoo Naziruddin. Waco; Dallas.</td>
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</tbody>
</table>
2:54 pm  
**Ultra Low Dose of IL-2 Produces Long-Term Drug-Free Survival of Cynomolgus Islets Allografts (Abstract #14)**  
Maria Koulmanda, Vaja Chipashivili, Lisa Li, Mike Duggan, Terry B. Strom. Boston, MA.

3:06 pm  
**NFkB Inhibitor Improves Glycemic Control after Syngeneic Islet Transplantation by Suppression of Proinflammatory and Apoptotic Gene Expression in a Cerulein-Induced Pancreatitis Model (Abstract #15)**  
Gumpei Yoshimatsu, Carly Darden, Kenjiro Kumano, Charles Chang, Prathab Balaji Saravanan, Michael Lawrence, Bashoo Naziruddin. Fukuoka, Japan; Dallas.

3:18 pm  
**Human Pancreatic ECM Scaffolds for Islet Culture and Transplantation (Abstract #16)**  

3:30 pm  
**Identification of Exosomal Isletokines Released by Pancreatic Islets in Response to Inflammatory Stress (Abstract #17)**  
Prathab Balaji Saravanan, Gumpei Yoshimatsu, Rituparna Bhattacharjee, Charles Chang, Carly Darden, Bashoo Naziruddin, Michael Lawrence. Dallas, TX.

3:42 pm  
**Improvement of Metabolic Function after Intra-Portal Allogeneic Islet Transplantation by Induction Treatment of the Non-Hematopoetic Erythropoetin Analogue Cibinetide in a Mouse Model (Abstract #18)**  
Ming Han Yao, Masaaki Watanabe, Sune Sun, Bo Göran Ericzon, Torbjörn Lundgren, Makiko Kumagai-Braesch. Stockholm, Sweden; Sapporo, Japan.

3:54 pm  
Kidney Acute Antibody Mediated Rejection  
**Room Hall 4B**  
Chairs: Donald Hricik, University Hospital Cleveland Medical Center, Cleveland, OH, USA and Jayme Locke, MD MPH, University of Alabama at Birmingham, Birmingham, AL, USA

2:30 pm  
**Ischemia Reperfusion Injury & Risk for Antibody Mediated Rejection (ABMR) in HLA Sensitized Patients Treated with C1 Esterase Inhibitor (C1INH) (Abstract #19)**  
Ashley A. Vo, Olivier Aubert, Juæ Choi, Nori Ammerman, Huang Edmund, Alice Peng, Reiad Najjar, Sethi Supreet, Stanley C. Jordan. LA, CA; Paris, France.

2:42 pm  
**Anti-Angiotensin II Type 1-Receptor Antibodies (AT1R-Ab) Induce a Specific Phenotype of Rejection Distinct from HLA Antibody-Mediated Rejection (Abstract #20)**  
Carmen Lefaucheur, Denis Viglietti, Olivier Aubert, Aurélie Philippe, Philip Halloran, Alexandre Loupy, Duska Dragun. Paris, France; Berlin, Germany; Edmonton, Canada.

2:54 pm  
**Five-Year Outcomes after Randomized Treatment by Rituximab in Early Acute Antibody-Mediated Rejection in Renal Transplantation: Long Term Outcomes of the RITUX ERAH Study (Abstract #21)**  
E. Bailly, G. Blancho, S. Ville, E. Morelon, J. Bamouild, S. Caillard, V. Chatelle, P. Malvezzi, J. Tourret, V. Vuiilet, D. Anglicheau, D. Bertrand, P. Grimbert, F. Haidar, M. Hazan, N. Kamar, P. Mervile, C. Mousson, V. Perrier, C. Poutelin-Nobile, R. Purgus, J. Sayegh, P. F. Westeel, M. Buchler. Tours, France; Nantes, France; Lyon Edouard Herriot, France; Besançon, France; Strasbourg, France; Caen, France; Grenoble, France; Paris, France; Reims, France; Rouen, France; Noumea, France; Lille, France; Toulouse, France; Bordeaux, France; Dijon, France; Montpellier, France; Lyon Sud, France; Marseille, France; Angers, France; Amiens, France.
3:06 pm  The Role of Donor-Derived Cell-Free DNA in Identification of Injury in Kidney Allografts with Antibody-Mediated Rejection and De Novo DSA (Abstract #22)
Huanxi Zhang, Longshan Liu, Chunting Zheng, Xirui Li, Qian Fu, Jun Li, Qun Su, Huiting Huang, Mingzhi Ye, Changxi Wang. Guangzhou, China.

3:18 pm  mRNA Transcript Profiles of 14 Genes in Plasma Exosome Predict Risk for Antibody-Mediated Rejection (ABMR) of Renal Allografts (Abstract #23)
Hao Zhang, Edmund Huang, Cynthia C. Nast, Joseph Kahwaji, Ashley A. Vo, Stanley C. Jordan, Mieko Toyoda. Los Angeles, CA.

3:30 pm  Donor-Derived Cell-Free DNA Identifies Antibody-Mediated Rejection with Graft Injury in DSA-Positive Kidney Transplant Recipients (Abstract #24)

3:42 pm  Predicting Survival after Deceased-Donor Kidney Transplants by Donor-Recipient Match: Who Can Tolerate a High-KDPI Kidney? (Abstract #27)
Sunjae Bae, Jacqueline Garonzik Wang, Kyle Jackson, Alvin Thomas, Xun Luo, Allan Massie, Dorry Segev. Baltimore, MD.

2:42 pm  Predicting Survival after Deceased-Donor Kidney Transplants by Donor-Recipient Match: Who Can Tolerate a High-KDPI Kidney? (Abstract #27)
Sunjae Bae, Jacqueline Garonzik Wang, Kyle Jackson, Alvin Thomas, Xun Luo, Allan Massie, Dorry Segev. Baltimore, MD.

2:54 pm  Transplant Hospitals Increase Volumes and Acceptance Rates under the COIN Project (Abstract #28)

3:06 pm  Is KDPI Valid for Hepatitis C Aviremic Kidneys? (Abstract #29)
Lena Sibulesky, Catherine E. Kling, Christopher Blosser, Christopher K. Johnson, Ajit P. Limaye, Ramasamy Bakhavatsalam, Nicolee Lea, James D. Perkins. Seattle, WA.


3:30 pm  Two Years of the HOPE Act (Abstract #31)
Amber R. Wilk, Christine M. Durand, Dorry L. Segev, David K. Klassen. Richmond, VA; Baltimore, MD.

3:42 pm  Geographic Variation in Deceased Donor Kidney Waitlist Deaths after Declining an Organ Offer (Abstract #32)
Frieda S. Winterhalter, Syed A. Husain, Rachel E. Patzer, Stephen O. Pastan, Sumit Mohan. New York, NY; Atlanta, GA.
**Kidney Immunosuppression: mTORi Based Regimens**

**Room 6A**  
Chairs: Fuad Shihab, MD, University of Utah Sch of Med, Salt Lake City, UT, USA and Matthew Weir, MD, Univ of Maryland School of Medicine, Baltimore, MD, USA

2:30 pm  **Everolimus with Reduced-Dose Calcineurin Inhibitor versus Mycophenolate with Standard-Dose Calcineurin Inhibitor in De Novo Kidney Transplant Recipients: Renal Function Results from the TRANSFORM Study (Abstract #33)**  

2:42 pm  **The TRANSFORM Study: Infection Outcomes with Everolimus Plus Reduced Calcineurin Inhibitor and Mycophenolate Plus Standard Calcineurin Inhibitor Regimens in De Novo Kidney Transplant Recipients (Abstract #34)**  

2:54 pm  **Effect of Everolimus with Reduced Calcineurin Inhibitor on Efficacy and Safety in De Novo Kidney Transplant Recipients: 12-Month Results from the US Cohort of TRANSFORM Study (Abstract #35)**  

3:06 pm  **Effect of Early Attainment of Everolimus Target Trough Levels on Efficacy-Safety Outcomes in De Novo Kidney Transplant Recipients: 12-Month Results from US92 and TRANSFORM Studies (Abstract #36)**  

3:18 pm  **The ATHENA Study: 12 Months Safety and Efficacy Data from Everolimus Combined with Tacrolimus or Cyclosporine Compared to a Standard Tacrolimus-Mycophenolate Regimen in De Novo Kidney Transplant Patients (Abstract #37)**  
Barbara Suwelack, Claudia Sommerer, Duska Dragun, Oliver Witzke, Christian Hugo, Nassim Kamar, Pierre Merville, Ingeborg A. Hauser, Peter Schenker, Martina Junge, Björn Nashan, Friedrich Thaiss, Germany; France; Pharma, Germany.

3:30 pm  **Allograft Function after 12 Months with Everolimus Plus Either Tacrolimus or Cyclosporine Compared to a Standard Regimen of Tacrolimus with MPA in De Novo Renal Transplant Recipients: The ATHENA Study (Abstract #38)**  
Björn Nashan, Claudia Sommerer, Barbara Suwelack, Duska Dragun, Oliver Witzke, Christian Hugo, Nassim Kamar, Pierre Merville, Ingeborg A. Hauser, Peter Schenker, Martina Junge, Friedrich Thaiss, Germany; France; Pharma, Germany.

3:42 pm  **Investigation of Lower Treatment Failure Rate Seen among Black Kidney Recipients on LCP-Tacrolimus vs. IR-Tacrolimus: Subgroup Analyses of Two Phase 3 Trials (Abstract #39)**  
T. Sparkes, B. Masters, C. Staino, S. Patel, M. Cooper. Baltimore, MD; Cary, NC; Washington, DC.
Kidney Infectious - Viral Hepatitis

Room 4C-4
Chairs: David Goldberg, University of Pennsylvania, Philadelphia, PA, USA and Gregory Malat, PharmD, Hahnemann University Hospital, Philadelphia, PA, USA

2:30 pm Introduction of Direct Acting Antivirals for HCV: Fewer Kidney Discards but a Long Way to Go (Abstract #40)
Tarek Alhamad, Rima Thakkar, Daniel C. Brennan, Jacqueline A. Lappin, Bruce Kaplan, Andrew Malone, Veronica Hicks, Jason Wellen, Krista Lentine. St. Louis; Baltimore; Temple.

2:42 pm Mortality and Kidney Transplantation Outcomes among Chronic Dialysis Patients Who Are Seropositive for Hepatitis C Virus (Abstract #41)
Deirdre Sawinski, Forde Kimberly, Lo Re III Vincent, Shults Justine, Brensinger Colleen, Cohen Jordana, Goldberg David, Locke Jayme, Weldon Joe, Reese Peter. Philadelphia, PA; Birmingham, AL; Minneapolis, MN.

2:54 pm Use of Hepatitis-C Treatments after Kidney Transplantation: Impact of the Direct-Acting Antiviral Era (Abstract #42)

3:06 pm Transplantation of Kidneys from Hepatitis C Virus (HCV) Antibody (Ab) Positive, NAT Negative Donors to HCV Negative Patients Results in Seroconversion but Not Viral Transmission (Abstract #43)
Michael E. de Vera, Michael Volk, Ziphezinhle Ncube, Arputharaj Kore, Melissa Robinson, Philip Wai, Shawna Blais, Pedro Baron, Rafael Villicana. Loma Linda, CA.

3:18 pm The THINKER Trial: Quality of Life Results at 6- and 12-Month Follow-Up among Hepatitis C-Negative Patients Who Received Kidney Transplants from Deceased Donors with Hepatitis C Infection (Abstract #44)

3:30 pm The Impact of Rituximab Dose on Hepatitis B Virus Reactivation in HBsAg-Negative/anti-HBc-Positive Kidney Transplant Recipients (Abstract #45)
Juhan Lee, Jun Yong Park, Yoon Bin Jung, Deok Gie Kim, Jee Youn Lee, Seung Hwan Song, Jung Jun Lee, Jae Geun Lee, Beom Seok Kim, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Kyu Ha Huh. Seoul, Korea; Seongnam, Korea.

Napat Leeaphorn, Charat Thongprayoon, Konika Sharma, Ankit Sakhija, Wisit Cheungpasitporn. Boston, MA; Cooperstown, NY; Rochester, MN; Jackson, MS.

Kidney Living Donor: Selection

Room 606/607
Chairs: David Serur, MD, Cornell, NY, NY, USA and Robert Steiner, UCSD, San Diego, Ca, USA

2:30 pm Potential Living Donors Identified through Social Media (Abstract #47)
Sharon Weeks, Komal Kumar, Jonathan Konel, Elizabeth King, Macey Henderson, Andrew Cameron, Jacqueline Garonzik Wang. Baltimore, MD.
2:42 pm  Landscape of Living Donor Kidney Transplantation with International Donors in the United States (Abstract #48)
Alvin Thomas, Macey Henderson, Ashton Shaffer, Allan Massie, Brittany Koons, Krista Lentine, Dorry Segev, Fawaz Al Ammary. Baltimore; Villanova; St. Louis.

2:54 pm  The Altruistic Living Kidney Donor Phenotype - From Inquiry to Donation (Abstract #49)
V. Kumar, P. MacLennan, M. Bonventre, M. Hanaway, R. Reed, J. Locke. Birmingham.

3:06 pm  Renal Function, Blood Pressure, and Histologic Changes in Living Kidney Transplant Recipients from Hypertensive Donors (Abstract #50)
Thomas Dienemann, Jana Schellenberg, Kerstin Amann, Katharina Heller, Alexander Weidemann. Erlangen, Germany.

3:18 pm  The Impact of Age-Matching on Graft Function and Graft Survival after Living Donor Kidney Transplantation (Abstract #51)

3:30 pm  Estimated GFR at Donor Screening and Achieved Measured GFR after Living Kidney Donation (Abstract #52)
Marco van Londen, Jessica van der Weijden, Stephan J. L. Bakker, Stefan P. Berger, Jan-Stephan F. Sanders, Gerjan Navis, Martin H. de Borst. Groningen, Netherlands.

3:42 pm  Factors Related to Suboptimal Recovery of Renal Function after Living Donor Nephrectomy (Abstract #53)

Kidney: Pediatrics - 1

Room 3AB

2:30 pm  Eplet Mismatches and De Novo Donor Surface Antibody Development in Pediatric Renal Transplant Recipients (Abstract #54)

2:42 pm  Inferior Patient and Graft Survival in Highly Sensitized Adult Kidney Transplant Recipients with a Prior Transplant Compared to Pediatric Kidney Transplant Recipients: An Analysis of OPTN Data (Abstract #55)
Patrick S. Almond, Samhar I. Al-Akash, Darren Stewart, Amanda Robinson. Corpus Christi, TX; Richmond, VA.

2:54 pm  Epitope/Eplet Mismatch in Pediatric Renal Transplantation and Development of Donor Specific Antibody (Abstract #56)
Roshan P. George, Harold C. Sullivan, Rouba Garro, Pamela D. Winterberg, Barry L. Warshaw, Howard M. Gebel, Robert A. Bray. Atlanta, GA.
3:06 pm Safety and Efficacy of Tocilizumab (anti-IL6R, TCZ) Therapy in the Treatment of Chronic Antibody Mediated Rejection (cABMR) in Pediatric Renal Transplant Recipients (Abstract #57)
Dechu Puliyanda, Irene Kim, Jua Choi, Mark Haas, Xiaohai Zhang, Ashley Vo, Helen Pizzo, Stanley Jordan. Los Angeles, CA.

Liver: Immunosuppression and Rejection
Room 6B
Chairs: JP Norvell, MD, University of Colorado, Aurora, Colorado, USA and Mark Russo, MD MPH, Carolinas Medical Center-Atrium Health, Charlotte, NC, USA

2:30 pm mTOR Inhibition with Everolimus in De Novo Living Donor Liver Transplantation – 24-Months Results from the H2307 Pivotal Trial (Abstract #61)

3:18 pm Feasibility of a National Class II Matching Strategy for Pediatric Kidney Transplant Candidates (Abstract #58)
Tom Blydt-Hansen, William Klement, Kathryn Tinckam, Jagbir Gill. Vancouver, Canada; Ottawa, Canada; Toronto, Canada.

2:42 pm Donor-Specific B-Cell Tolerance after Successful ABO Blood Type Incompatible (ABOi) Living Donor Liver Transplantation (LDLT) (Abstract #62)
Ting-Jung Wu, Yu-Chao Wang, Chih-Hsien Cheng, Tsung-Han Wu, Chen-Fang Lee, Hong-Shiue Chou, Kun-Ming Chan, Wei-Chen Lee. Taoyuan, Taiwan.

3:30 pm Endothelin-1 Type A Receptor Antibodies Are Associated with Elevated IL-8, Arteritis and Decline in Renal Function in Pediatric Renal Transplant Recipients (Abstract #59)
Meghan H. Pearl, Jonathan Grotts, Maura Rossetti, Qiuheng Zhang, Patricia Weng, Elaine F. Reed, Eileen W. Tsai Chambers. Los Angeles, CA; Durham, NC.

2:54 pm Treatment of Post Transplant Hepatitis C (HCV) with Direct-Acting Antiviral (DAA) Agents May Improve Liver Function but Does Not Lead to an Increase in Liver Rejection (Abstract #63)
Patricia Sheiner, Nicholas Mello, Gina Baixauli, Michael Einstein, Caroline Rochon, Yong Kwon, Maneckshana Bejon. Hartford, CT.

3:42 pm Molecular Profiling of the Injury-Repair Response in Early Subclinical Inflammation (Abstract #60)

3:06 pm Assessment of a Discharge Transplant Knowledge Quiz and Its Impact on Outcomes in Liver Transplant Recipients (Abstract #64)
3:18 pm Safety of Antithymocyte Globulin Use in Donation after Circulatory Death (DCD) Liver Transplantation (Abstract #65)
Daniel C. Felix, Brooke E. Geiger, Jillian L. Descourouez, Margaret R. Jorgenson, Bret M. Hanlon, Glen E. Leverson, David P. Foley. Madison, WI.

3:30 pm Clinical Application of Mesenchymal Stromal Cells with a Simplified Protocol for ABO Incompatible Liver Transplantation in Severe Hepatic Failure Patients (Abstract #66)

3:42 pm Steroid Sparing Maintenance Immunosuppression is Associated with Decreased Mortality after Simultaneous Liver Kidney Transplantation (Abstract #67)
Sharon Weeks, Xun Luo, Chelsey Song, Lindsey Pote, Ahmet Gurakar, Fizza Navqi, Benjamin Philosophe, Andrew Cameron, Niraj Desai, Shane Ottmann, Dorry Segev, Jacqueline Baronzik Wang. Baltimore, MD.

Liver: Recipient Selection

Room 6C
Chairs: Josh Levitsky, Northwestern, Chicago, IL, USA and Russ Wiesner, Mayo Clinic, Rochester, MN, USA

2:30 pm Hidden Risk of Liver Transplantation for Nonalcoholic Steatohepatitis: A Propensity Score Matched Study (Abstract #68)
Shunji Nagai, Randolph Schilke, Mohamed Safwan, Michael Rizzari, Kelly Collins, Atsushi Yoshida, Marwan Abouljoud, Dilip Moonka. Detroit, MI.

2:42 pm Opiate Use Trends after Liver Transplantation and the Factors Associated with Post-Transplant Opiate Dependence (Abstract #69)
Mohammad Arsalan Siddiqui, Randeep Kaur, Sudheer Dhoop, Nimisha Sulejmani, Reena Salgia. Detroit, MI.

2:54 pm Higher Early Post-Liver Transplant Mortality in Recipients with Severe Alcoholic Hepatitis versus Alcoholic Cirrhosis (Abstract #70)
Brian P. Lee, G. Im, J. Dodge, M. Voigt, J. Rice, M. Lucey, D. Foley, L. Platt, A. Gurakar, N. Mehta, G. Therapondos, H. Han, D. Victor, O. Fix, L. Dinges, D. Dronamraju, C. Hsu, M. Rinella, H. Maddur, S. Eswaran, J. Hause, R. Ghabrial, Z. Li, N. Terrault. SF; NYC; Iowa; Madison; Baltimore; Jefferson; LA; Houston; Seattle; Philadelphia; Chicago.

3:06 pm Intestinal Microbiome Diversity is Associated with Liver Disease Etiology and Predicts Post-Liver Transplant Mortality (Abstract #71)

3:18 pm Evolving Trends in Demographic and Medical Characteristics of Liver Transplant Recipients (Abstract #72)

3:30 pm Complex Combined Thoracic/liver Transplant: A Seven Year Experience (Abstract #73)

3:42 pm The Transplant-Death Index: A Novel Method to Identify Disenfranchised Liver Transplant Waitlist Candidates (Abstract #74)
Michael L. Kueht, John A. Goss, N. Thao N. Galvan, Abbas B. Rana. Houston, TX.
### Lung: From Allocation to Outcomes

**Room 303**  
*Chairs: Daniel Dilling, MD, Loyola University Chicago, Stritch School of Medicine, Maywood, IL, USA and Allan Glanville, MBBS, MD, St. Vincent’s Hospital, Sydney, NSW, Australia*

**2:30 pm**  
**Impact of Changes to the LAS Calculation (Abstract #75)**  
Rebecca R. Lehman, Robert J. Carrico, Kimberly Uccellini, Kevin M. Chan, Timothy Whelan. Richmond, VA; Ann Arbor, MI; Charleston, SC.

**2:42 pm**  
**Molecular Phenotypes of Injury and Rejection in Lung Transplant Transbronchial Biopsies (Abstract #76)**  

**3:06 pm**  
**Increase in Potentially Resistant Non-Aspergillus Molds Isolated in Lung Transplant Recipients after Voriconazole and Posaconazole Prophylaxis (Abstract #78)**  

**2:30 pm**  
**Prospective Trial Using Pulmonary Rehabilitation to Treat Frailty (Abstract #81)**  

### Small Bowel: All Topics

**Room 210**  
*Chairs: Jason Hawksworth, MD, Georgetown University Hospital, Washington, DC, USA and Cal Matsumoto, Georgetown University, Washington, DC, USA*

**2:30 pm**  
**Increased Pre-Transplant Rejection-Risk Measured with Allospecific T-Cells Predicts Delayed Immunosuppression Minimization in Children with Intestine Transplantation. (Abstract #82)**  
Kyle Soltys, Chethan Ashokkumar, George Mazariégos, Geoffrey Bond, Mylarappapa Ningappa, Ajai Khanna, Armando Ganoza, Qing Sun, Rakesh Sindhi. Pittsburgh, PA.

**2:42 pm**  
**The Protective Effect of Multivisceral Transplantation on Intestinal Allograft Rejection – Its Correlation with T-Cell Macrochimerism from a Long-Term Prospective Study (Abstract #83)**  
Peter Liou, Mercedes Martinez, Jianing Fu, Monica Velasco, Adam Griesemer, Steven Lobritto, Jennifer Vittorio, Shilpa Ravella, Bruce Levin, Jean Emond, Megan Sykes, Tomaoki Kato. New York, NY.

**2:54 pm**  
**Temporal and Geographical Trends of Intestinal Transplantation in the USA (Abstract #84)**  
3:06 pm CD8+ Tissue Resident Memory T Cells Are Key Effector Cells in Intestinal Transplantation Patients with GvHD (Abstract #85)
Oswaldo Aguirre, Brenna Houlihan, Abdullah Karabala, Raffaele Girlanda, Jason Hawksworth, Cal Matsumoto, Michael Zasloff, Thomas Fishbein, Alexander Kroemer. Washington, DC.

3:18 pm Development of a Novel Assay System for Ex Vivo T-Cell Mediated Rejection Responses in Intestinal Grafts (Abstract #86)
Shinji Okano, Kareem Abu-Elmagd, Danielle D. Kish, Karen Keslar, Masato Fujiki, Guiltherme Costa, Charles Miller, William Baldwin, Robert L. Fairchild, Koji Hashimoto. Cleveland, OH.

3:30 pm Cytomegalovirus (CMV) Infection in Small Intestinal and Multivisceral Transplant Recipients: The Role of Donor Selection on CMV Incidence and Outcomes (Abstract #87)

3:42 pm Comparison of Induction and Maintenance Immunosuppression Regimens in Intestinal and Multivisceral Transplantation: An Analysis of the UNOS Registry (Abstract #88)
Shunji Nagai, Michael Rizzari, Yakir Muszkat, Kelly Collins, Atsushi Yoshida, Syed-Mohammad Jafri, Marwan Abouljoud. Detroit, MI.

Xenotransplantation
Room 602/603/604
Chairs: Monica Grafals, MD, MPH, University of Colorado, Aurora, CO, USA and Joseph Tector, UAB school of medicine, Birmingham, Alabama, USA

2:30 pm The Role of CD46 in Early Islet Engraftment in a Dual Transplant Model (Abstract #89)
Qimeng Gao, Kannan P. Samy, Robert P. Davis, Mingqing Song, Andrea MacDonald, Francis Leopardi, Tam How, Kyha Williams, Gayathri R. Devi, Bradley H. Collins, Allan D. Kirk. Durham, NC.

2:42 pm Prevention of an Adaptive Immune Response by FDA-Approved Immunosuppressive Agents in Baboons with Pig Artery Patch Xenografts (Abstract #90)
Takayuki Yamamoto, Hidetaka Hara, Lioaront Wang, Qi Li, Juan Li, Hongmin Zhou, Devin E. Eckhoff, A. Joseph Tector, David Ayares, David K. C. Cooper, Hayato Iwase. Birmingham; Blacksburg.

2:54 pm Human Thrombomodulin Expression on Genetically Modified Donor Pigs is Required to Maintain the Anti-Coagulation Profile (Abstract #91)
Avneesh Singh, Laura DiChiaccio, Joshua Chan, Philip Corcoran, Billleta Lewis, Marvin Thomas, David Ayares, Keith Horvath, Muhammad Mohiuddin. Bethesda, MD; Blacksburg, VA; Baltimore, MD.

3:06 pm hEPCR,hTBM,hCD47.HO-1 Contributes to Increased Survival, Reduced Platelet Sequestration, and Modulation of Coagulation Activation in GalTKO. hCD46 Porcine Livers Perfused with Human Blood (Abstract #92)
Arielle Cimeno, Lars Burdorf, David Ayares, Agnes M. Azimzadeh, Richard N. Pierson III, Rolf N. Barth, John C. LaMattina. Baltimore, MD.
3:18 pm  Islet Xenotransplantation: A Quest for Clinically Available Immunosuppression Regimens (Abstract #93)

3:30 pm  Genetically Modified Porcine Erythrocytes: A Cell Model for Studying Human Preformed Antibody-Dependent Xenoimmune Responses In Vitro (Abstract #94)

3:42 pm  Selection and Stratification of Anti-HLA-A and HLA-B Sensitized Patients in Pig-to-Human Xenotransplantation (Abstract #95)

Student Program
2:30 pm – 5:30 pm

The Science, The Art, And The Allure of Transplantation
Room 618-620
Moderators:  Dorry Segev, MD, PhD, Johns Hopkins University, Baltimore, MD, USA and Devin Eckhoff, MD, University of Alabama at Birmingham, Birmingham, AL, USA

2:30 pm  Thoughts from the EIC of AJT
Allan Kirk, MD, PhD
Emory University
Atlanta, GA, USA

2:45 pm  The Donor Side: Perspectives from the OPoS
Kevin O’Connor, MS
Life Center Northwest OPO
Bellevue, WA, USA

3:00 pm  Liver Transplantation
Norah Terrault, MD, MPH
University of California San Francisco
San Francisco, CA, USA

3:15 pm  Kidney Transplantation
Jayme Locke, MD, MPH, FACS
University of Alabama at Birmingham
Birmingham, AL, USA

3:30 pm  Outcomes Research in Transplantation
Dorry Segev, MD, PhD
Johns Hopkins University
Baltimore, MD, USA

3:45 pm  Basic Science Research in Transplantation
Ronald Gill, PhD
University of Colorado Denver
Aurora, CO, USA

Featured Multidisciplinary Transplant Professionals Symposium I
2:30 pm – 6:00 pm

Assessing and Addressing Medication Non-Adherence in the “Real World” Clinical Setting
Room 611-614
Moderators:  Maya Campara, PharmD, UIC, Chicago, IL, USA and Drew Silverman, PharmD, Tampa General, Tampa, FL, USA and Joshua Wiegel, PharmD, BCPS, UW Health, Madison, WI, USA

2:30 pm  Non-Adherence – The Psychologist’s Perspective
Kristin Kuntz, PhD
The Ohio State University Medical Center
Columbus, OH, USA

3:00 pm  Population Surveillance to Identify at Risk Patients
Dave Taber, PharmD, MS, BCPS
Medical University of South Carolina
Charleston, SC, USA

3:30 pm  Assessing and Managing Pre-Transplant Non-Adherence
Rondi Wightman, MSW, LCSW, CADC
Indiana University Northwest
Gary, IN, USA
Coffee Break in Exhibit Hall
4:00 pm – 4:30 pm

4:30 pm  Transplant ID
Jay Fishman, MD
Massachusetts General Hospital
Boston, MA, USA

4:45 pm  Transplant Pharmacology
Christina Doligalski, PharmD, BCPS, CPP
University of North Carolina Health System
Chapel Hill, NC, USA

5:00 pm  VCA
Gerald Brancacher, MD, FAST
Johns Hopkins University
Baltimore, MD, USA

5:15 pm  Discussion

Assessing and Addressing Medication Non-Adherence in the “Real World” Clinical Setting
Moderators: Lisa Potter, PharmD, BCPS, FCCP, University of Chicago Medicine, Chicago, IL, USA

4:30 pm  mHealth Applications – The Good, the Bad and the Ugly
Demetra Tsapepas, PharmD
New York Presbyterian Hospital
New York, NY, USA

4:50 pm  In Clinic Tools, Tips and Theory to Mitigate Non-Adherence after Transplant
Jennifer Trofe-Clark, Pharm D, BCPS
University of Pennsylvania
Philadelphia, PA, USA

5:10 pm  Discussion of Interesting Cases Surrounding Medication Non-Adherence

Panelists:
Jennifer Trofe-Clark, Pharm D, BCPS
University of Pennsylvania
Philadelphia, PA, USA

Bethany Foster, MD
McGill University Health Centre
Montreal, QC, Canada

Wanda Gbemudu, MBA, BSN, RN
University of Pennsylvania Health System
Wyndmoor, PA, USA

Samantha Mok, MSW
University of Illinois at Chicago
Chicago, IL, USA

Featured Nursing Symposium
2:30 pm – 6:00 pm

Innovation in Transplantation: Leadership and Education
(In Collaboration with NATCO and ITNS)
Room 615-617
Moderators: Renee Bennett, BSN, Cleveland Clinic, Cleveland, OH, USA and Linda Ohler, MSN CCTC, FAAN FAST, George Washington University Hospital, Vienna, VA, USA

2:30 pm  Creating Effective Clinical Systems: Workflow, Staffing
Sharon Klarman, RN-BN, BSN, CCTC
Yale New Haven Transplantation Center
New Haven, CT, USA

2:50 pm  Effective Communication Skills Are Learned Not Born: How to Maximize Your Workplace Communication
Gwen McNatt, RN, PhD, CNN, FNP-BC
Northwestern Memorial Hospital
Chicago, IL, USA

3:10 pm  Presenting a Plan to Leadership and Effecting Change
Carrie Lindower, RN, MBA
Downstate Medical Center
Brooklyn, NY, USA

3:50 pm  Discussion

Coffee Break in Exhibit Hall
4:00 pm – 4:30 pm

Hall 4EF
Health Literacy
Room 615-617
Moderators: Tracy Evans-Walker, APRN, CNP, CCTC, Cleveland Clinic, Cleveland, OH, USA and Carrie Lindower, RN, MBA, Downstate Medical Center, Brooklyn, NY, USA

4:30 pm  Informed Consent: Ensuring Patients Hear What They Need to Know?
Diane LaPointe Rudow, DNP, ANP-BC, FAAN
Mount Sinai Hospital
New York, NY, USA

4:45 pm  Electronic Education
Michelle James, MS, RN, CNS, CCTN
University of Minnesota
Minneapolis, MN, USA

5:00 pm  Patient Education and Staff Training
Catina O’Leary, PhD, LMSW
Health Literacy Media
Saint Louis, MO, USA

5:15 pm  Panel Q&A Discussion

Coffee Break in Exhibit Hall
4:00 pm – 4:30 pm

Health Literacy

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

Acute Rejection

Room 6A
Chairs: Jamil Azzi, Harvard Medical School, Brigham and Women’s Hospital, Boston, MA, USA and William Burlingham, Ph.D., University of Wisconsin, Madison, WI, USA

4:30 pm  Kidney Transplant Rejection is Associated with Robust and Prolonged Bioenergetic Reprogramming and Metabolic Maladaptation (Abstract #96)
Anna A. Zmijewska, Jaroslaw W. Zmijewski, Jianguo Chen, Roslyn B. Mannon. Birmingham, AL.

4:42 pm  Th17 and NK Responses Are Differentially Induced in Renal Allografts According to Recipient Murine Cytomegalovirus Dose and Strain (Abstract #97)
Masako Shimamura, Mao Li, Srinivasa Rao Boddeda, Bo Chen, Qiang Zeng, Trenton R. Schoeb, Victoria M. Velazquez. Columbus, OH; Birmingham, AL.

4:54 pm  Type I NKT Cells Augment Humoral and Cellular Alloimmunity in Response to Hepatocyte Transplantation (Abstract #98)
Steven M. Elzein, Jason M. Zimmerer, Bryce A. Ringwald, Christina L. Avila, Ginny L. Bumgardner. Columbus, OH.

5:06 pm  Senolytic Drug Treatment Attenuates mtDNA-Mediated Inflammatory Injury in Old Donors and Prolongs Cardiac Allograft Survival (Abstract #99)
Koichiro Minami, Midas Seyda, Timm Heinbokel, Yeqi Nian, Markus Quante, Guangxiang Liu, Reza Abdi, Tamara Tchkonia, James Kirkland, Abdallah Elkhal, Stefan G. Tullius. Boston, MA; Boston; Rochester, MN.
5:18 pm  Graft Dendritic Cell p40 Homodimers Activate Donor-Reactive Endogenous Memory CD8 T Cells within Higher Risk Allografts (Abstract #100)
Hidetoshi Tsuda, Anna Valujskikh, Robert Fairchild. Cleveland, OH.

5:30 pm  VLA-4 Blockade Inhibits Early Endogenous Memory CD8 T Cell Infiltration into Higher Risk Cardiac Allografts and Donor- Reactive T Cell Priming (Abstract #101)
Satoshi Miyairi, Shoichi Iida, Hidetoshi Tsuda, William M. Baldwin III, Kazunari Tanabe, Robert L. Fairchild. Cleveland, OH; Shinjuku, Tokyo, Japan.

5:42 pm  Hematopoietic Cell Kinase (Hck) Regulates Effector and Regulatory T Cell (Treg) Function (Abstract #102)
Samira S. Farouk, Chengguo Wei, Bhaskar Das, Paolo Cravedi, Barbara T. Murphy. New York, NY.

Kidney Complications: Disease Recurrence

Room Hall 4B
Chairs: Sundaram Hariharan, Starzl Transplant Institute, Univ of Pittsburgh Med Center, Pittsburgh, PA, USA and Vineeta Kumar, M.D., University of Alabama At Birmingham, Birmingham, AL, USA

4:30 pm  Recurrent FSGS Post-Transplantation: Prevalence and Risk Factors (Abstract #103)
Rute Aguiar, Alessandro Gasparini, Paramit Chowdhury, David Game, Dimitrios Moutzouris. London, United Kingdom; Leicester, United Kingdom.

4:42 pm  Multicentre Epidemiological Study on Prevalence of Recurrent Glomerular Disease Post-Transplantation in the United Kingdom (Abstract #104)
Rute Aguiar. London, United Kingdom.

4:54 pm  Recurrence of Immunoglobulin A Nephropathy in Related Donor Kidney Transplant Recipients (Abstract #105)
Masayoshi Okumi, Daigo Okada, Kohei Unagami, Yoichi Kakuta, Hiroki Shirakawa, Tomokazu Shimizu, Kazuya Omoto, Hideki Ishida, Kazunari Tanabe. Tokyo, Japan; Saitama, Japan.

5:06 pm  IgA Recurrence in a Single Center with a Protocol Biopsy Program (Abstract #106)
Massini A. Merzkani, Nicola Lepori, Mireille El Ters, Fernando G. Cosio, Hatem Amer. Rochester, MN.

5:18 pm  Treatment Outcomes of Recurrent Primary Focal Segmental Glomerulosclerosis (FSGS) after Kidney Transplantation (Abstract #107)
Rute Aguiar, Fernando Pereira, Alessandro Gasparini, Paramit Chowdhury, David Game, Dimitrios Moutzouris. London, United Kingdom; Lisbon, Portugal; Leicester, United Kingdom.

5:30 pm  Redo Kidney Transplant in FSGS (Abstract #108)
Jennifer Verbesey, Ayesha Javaid, Soo Youn Yi, Gayle Vranic, Alexander Gilbert, Peter Abrams, Seyed Ghasemian, Jack Moore, Beje Thomas, Matthew Cooper, Basit Javaid. Washington, DC.

5:42 pm  Thirty-Six Consecutive Kidney Transplants in Recipients with Atypical Hemolytic Uremic Syndrome: A Single-Centre Experience (Abstract #109)
Evaldo Favi, Gianluigi Ardissino, Donata Cresseri, Jessica Brocca, Sara Testa, Francesca Tel, Antenore Giussani, Caterina Colico, Claudio Beretta, Mariano Ferraresso. Milan, Italy.
Kidney Donor Selection / Management Issues - 1

Room 6E
Chairs: Amy Evenson, MD, MPH, Beth Israel Deaconess Medical Center, Boston, MA, USA and Kenneth Woodside, MD, University of Michigan, Ann Arbor, MI, USA

4:30 pm Transplanting Kidneys from HCV-Infected Donors into HCV-Negative Recipients: Longer-Term and Extended Results of the THINKER Trial (Abstract #110)

4:42 pm Use of HCV Ab+/NAT- Donors in HCV Naïve Renal Transplant Recipients (Abstract #111)

4:54 pm Donor Derived Renal Cell Carcinoma (RCC) Transmission Events 2008-2016: A Report of the OPTN Disease Transmission Advisory Committee (DTAC) (Abstract #112)

5:06 pm The Benefit of Higher KDPI Renal Transplantation over Waiting for a Better Offer (Abstract #113)
Elliot Grodstein, Jinyan Yang, Vinay Nair, Ernesto Molmenti, Lewis Teperman. Manhasset, NY.

5:18 pm Outcomes of DCD Renal Transplantation from Donors with Acute Kidney Injury (Abstract #114)
Elliot Grodstein, Jinyan Yang, Vinay Nair, Lewis Teperman. Manhasset, NY.

5:30 pm Outcomes Analysis of Liver Transplantation Combined with Neoadjuvant Therapy in Patients with Unresectable Locally-Advanced Cholangiocarcinoma (Abstract #115)
Melissa Wong, Joohyun Kim, Calvin Eriksen, Terra Pearson, Jared Robbins, Ben George, Michael A. Zimmerman, Johnny C. Hong. Milwaukee, WI.

5:42 pm Determining the Relative Immunogenicity of HLA Mismatches with Calcineurin Inhibitor Immunosuppression: An Analysis of the BENEFIT and BENEFIT-EXT Renal Transplant Cohort (Abstract #116)
Vadim Jucaud, Mustimbo Roberts, Howard M. Gebel, Robert A. Bray, Matthew J. Everly. Los Angeles, CA; Princeton, NJ; Atlanta, GA.

Kidney Immunosuppression: Co-Stimulation Based Regimens

Room 6C
Chairs: Joshua Augustine, Cleveland Clinic Foundation, Cleveland, OH, USA and Todd Pesavento, MD, Ohio State University, Columbus, OH, USA

4:30 pm Immunophenotype of Cells Infiltrating the Graft Explains the Benefits of Belatacept (Abstract #117)

4:42 pm The BEST Trial: A Prospective Randomized Multicenter Trial of Belatacept-Based CNI- and Corticosteroid-Free Immunosuppression (Abstract #118)
4:54 pm Clinical Outcomes of Conversion from Calcineurin Inhibitor to Belatacept-Based Immunosuppression in Highly Sensitized Kidney Transplant Recipients (Abstract #119)

5:06 pm Belatacept Maintenance Immunosuppression Use and Outcomes in the Real-World Clinical Setting Using OPTN/UNOS Kidney Transplant Registry (Abstract #120)
S. Sanoff, K. Ravindra, W. Irish. Durham, NC; Raleigh, NC.

5:18 pm Belatacept in Kidney Transplant Recipients with Preformed Donor Specific Anti-HLA Antibodies: Results of the BELACOR Trial (Abstract #121)
Claire Leibler, Florence Canoui, Marie Matignon, Eric Rondeau, Anissa Zarour, Antoine Durrbach, Stéphanie Malard, Philippe Grimbert. Creteil, France; Paris, France; Le Kremlin Bicêtre, France.

5:30 pm Tissue Talks: Graft’s Histological Findings 10 Years after Belatacept or CNI (Abstract #122)

5:42 pm Precision Medicine for Determining the Efficacy of a Novel Belatacept Regimen (Abstract #123)

Kidney Psychosocial - 1

Room 210
Chairs: Zeeshan Butt, Northwestern University Feinberg School of Medicine, Chicago, IL, USA and Kristin Kuntz, The Ohio State University Medical Center, Columbus, OH, USA

4:30 pm Cannabis Dependence or Abuse before and after Kidney Transplantation: Implications for Post-Transplant Outcomes (Abstract #124)
Krista L. Lentine, Tarek Alhamad, Ngan Lam, Abhijit S. Naik, Farrukh M. Koraishy, Henry Randall, Dorry L. Segev, Vikas R. Dharnidharka, Daniel C. Brennan, Bertram L. Kasiske, Rosemary Ouseph, Mark A. Schnitzler. St. Louis; Edmonton, Canada; Ann Arbor; Baltimore; Minneapolis.

4:42 pm Marijuana Use Should Not Preclude Consideration for Kidney Transplantation (Abstract #125)
Kassandra Fabbri, Tracy Anderson-Haag, Anne Spenningsby, Ajay Israni, Rachel Nygaard, Paul Stahler. Minneapolis, MN.

4:54 pm Outcome Implications of Benzodiazepines and Opioid Co-Prescriptions before Kidney Transplantation (Abstract #126)
Ngan N. Lam, Mark A. Schnitzler, David Axelrod, Vikas Dharnidharka, Dorry L. Segev, Abhijit S. Naik, Huiling Xiao, Rosemary Ouseph, Henry Randall, Greg P. Hess, Bert L. Kasiske, Daniel C. Brennan, Tarek Alhamad, Krista Lentine. Edmonton, Canada; St. Louis; Burlington; Baltimore; Ann Arbor; Minneapolis; Conshohocken.

5:06 pm Risk Factors for Chronic Opioid Use after Kidney Transplantation (Abstract #127)
5:18 pm  Assessment and Validation of Potential Predictors of Non-Adherence in Contemporary Kidney Transplant Recipients (Abstract #128)
Tiffany Harrison, Caroline Perez, Neha Patel, Holly Meadows, James Fleming, Nicole Pilch, Bailey O’Brien, Heather Corbo, Jennifer Hardcopf, Prabhakar Baliga, Derek DuBay, David Taber. Charleston, SC.

5:30 pm  Prevalence of Frailty among Kidney Transplant Recipients in the United States (Abstract #129)
Alvin Thomas, Ashton Shaffer, Hao Ying, Silas Norman, Dorry Segev, Mara McAdams-DeMarco. Baltimore; Ann Arbor.

5:42 pm  Is Age a Potential Barrier to Pursuing Living Donor Kidney Transplant (LDKT)? (Abstract #130)

4:30 pm  Disparity in Access to Kidney Allograft Offers among HIV+ Transplant Candidates (Abstract #131)
Jordana Cohen, Jayme Locke, Brittany Shelton, Rhiannon Reed, Paul MacLennan, Deirdre Sawinski. Philadelphia, PA; Birmingham, AL.

4:42 pm  Urinary Tract Infections after Renal Transplantation: Is Male Gender a Risk Factor for Resistant Microorganisms? (Abstract #132)
Gokhan Guneri, Arzu Velioglu, Ebru Asicioglu, Hakki Arikan, Serhan Tuglular, Cetin Ozener. Istanbul, Turkey.

4:54 pm  Clinical Outcomes of Patients with BK Viremia in ABO-Incompatible Kidney Transplantation and Comparison with ABO-Compatible Kidney Transplantation (Abstract #133)

5:06 pm  Kidney Transplant Patients with Polycystic Kidney Disease Have a Lower Risk of Post-Transplant BK Infection Compared to Other Causes of ESRD (Abstract #134)
Sarah E. Panzer, Callie Plaftin, Brad C. Astor, Arjang Djamali, Tripti Singh. Madison, WI.

5:18 pm  Ciprofloxacin for BK Viremia Prophylaxis in Kidney Transplant Recipients: Results of a Prospective, Randomized Controlled Trial (Abstract #135)
Samir J. Patel, Samantha A. Kuten, Richard J. Knight, Joy V. Nolte, Duc T. Nguyen, Edward A. Graviss, Linda W. Moore, Isioma Agboli, Christine Pham, A. Osama Gaber. Houston, TX.

5:30 pm  Aggressive Immunosuppression Minimization Shortens BK Viremia, Does Not Improve Outcome, but Increases the Risk of De Novo Donor Specific Antibodies in Kidney Recipients (Abstract #136)
Arnaud Devresse, Claire Tinel, Agathe Vermorel, Renaud Snaoutdj, Lise Morin, Véronique Avetandan-Fenoel, Lucile Amrouche, Anne Scemla, Julien Zuber, Christophe Legendre, Marion Rabant, Dany Anglicheau. Paris, France; Brussels, Belgium.

5:42 pm  Longitudinal Analysis of Community Respiratory Virus Infection in Kidney Transplant Recipients (Abstract #137)
Kidney: Cardiovascular and Metabolic - 1

Room 303
Chairs: Reed Hall, PharmD, University Hospital, San Antonio, TX, USA and Sandra Taler, MD, Mayo Clinic, Rochester, MN, USA

4:30 pm Evolving Etiologies for Readmissions and Their Impact on Graft Survival in Kidney Transplantation (Abstract #138)

4:42 pm Use of Proton-Pump Inhibitors is Associated with Lower Magnesium and Iron Status and Excess Mortality in Renal Transplant Recipients (Abstract #139)

4:54 pm Metformin Use after Kidney Transplantation: A Safe Option in Carefully Selected Patients (Abstract #140)

5:06 pm Gut Microbiota, Mycophenolate Mofetil, and Post-Transplant Diarrhea in Kidney Transplant Recipients (Abstract #141)

5:18 pm ACEI/ARB Use within One Year of Kidney Transplant is Associated with Less AKI and Graft Loss in Older Recipients (Abstract #142)
Maria Aurora Posadas Salas, Rafael Rodriguez, Prince Amaechi, Vinaya Rao, David Taber. Charleston, SC.

5:30 pm Secular Trends in the Medical Complexity and Outcomes of Medicare-Insured Patients Undergoing Kidney Transplant (Abstract #143)
Colin R. Lenihan, Sai Liu, Maria E. Montez-Rath, Wolfgang C. Winkelmayer. Palo Alto, CA; Houston, TX.

5:42 pm Impact of Elevated PSA, and Prostate Cancer in ESRD on Time to Transplant, and Survival (Abstract #144)
Nagaraju Sarabu, Nicholas Schiltz, Donald E. Hricik. Cleveland, OH.

Liver - Kidney Issues in Liver Transplantation

Room 6B
Chairs: Sumeet Asrani, MD MSc, Baylor University Medical Center, Dallas, Texas, USA and Robert Fontana, University of Michigan, Ann Arbor, MI, USA

4:30 pm Delayed Graft Function in Simultaneous Liver Kidney Transplantation (Abstract #145)
Sharon Weeks, Xun Luo, Shane Ottmann, Ahmet Gurakar, Fizza Naqvi, Benjamin Philosophe, Andrew Cameron, Niraj Desai, Dorry Segev, Jacqueline Garonzik Wang. Baltimore, MD.

4:42 pm A Medical Decision Analysis for the Use of Donation after Cardiac Death Donors for Simultaneous Liver-Kidney Transplant (Abstract #146)
Amanda Miller, Karthik Tennankore, Bryce Kiberd. Halifax, NS, Canada.

4:54 pm Disparate Candidate Selection Practices and Substantial Use of Low KDPI Kidneys in Combined Heart-Kidney and Liver-Kidney Transplantation, 2012-2016 (Abstract #147)
Robert Steiner, Jeffery Halldorson. San Diego, CA.
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<td>Ischemia Reperfusion Injury in Liver Transplantation is Associated with Acute Kidney Injury: Role of Inflammatory Mediators (Abstract #148)</td>
<td>Plamen Mihaylov, Ping Li, James Skill, Lava Timsina, Jonathan Fridell, Burcin Ekser, Richard Mangus, Chandrashekar Kubal. Indianapolis; Pavia, Italy.</td>
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<td>5:30 pm</td>
<td>Factors Associated with the Development of Chronic Kidney Disease after Liver Transplantation (Abstract #150)</td>
<td>Marit Kalisvaart, Andrea Schlegel, Palak Trivedi, Keith Roberts, Darius Mirza, Thamara Perera, John Isaac, James Ferguson, Paolo Muiiesan. Birmingham, United Kingdom.</td>
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<td>5:42 pm</td>
<td>Kidney Quality Influences Patient and Graft Survival in Liver Transplant Recipients with End Stage Renal Disease (Abstract #151)</td>
<td>Jose Reyes, Michael Eerhart, Juan Danobeita, Peter Chlebeck, Laura Zituir, Luis Fernandez. Madison.</td>
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Non-Organ Specific: Disparities to Outcome and Access to Healthcare

Room 4C-4

Chairs: Jagbir Gill, MS MPH, University of British Columbia, West Vancouver, BC, Canada and Jesse Schold, Cleveland Clinic, Cleveland, OH, USA

4:30 pm | Discard and Post-Transplant Outcomes Associated with Organs Donated after Drug-Overdose Death (Abstract #152) | Mary Bowring, Christine Durand, Lauren Kucirka, Alvin Thomas, Allan Massie, Mark Sulkowski, Andrew Cameron, Niraj Desai, Dorry Segev. Baltimore. |


4:54 pm | Impact of Local Liver Supply on Liver Offer Acceptance (Abstract #154) | Mary Bowring, Sheng Zhou, Allan Massie, Sommer Gentry, Dorry Segev. Baltimore; Annapolis. |


Novel Therapeutics

Room 602/603/604
Chairs: William Kitchens, MD / PhD, Emory Transplant Center, Atlanta, GA, USA and Leonardo Riella, MD PhD, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

4:30 pm Anti-TIRC7 Antibody Acts Synergistically with Tacrolimus in Promoting Graft Survival in a Rat Kidney Transplant Model (Abstract #159)
Stefan G. Tullius, Yusuke Kumamoto, Utku Nalan. Boston, MA; Kanagawa, Sagamihara, Japan; Berlin, Germany.

4:42 pm Combination Proteasome Inhibition and Anti-BAFF Therapy Permits Highly Sensitized Rhesus Kidney Transplantation (Abstract #160)

4:54 pm Approaches to Prevention of Antibody Rebound after HLA Sensitization in a Mouse Model (Abstract #161)
Irene Kim, Gordon Wu, Ning-ning Chai, Andrew Klein, Stanley Jordan. Los Angeles, CA.

5:06 pm Prolonged Graft Survival in Old Recipients is Abrogated by Immunosuppressive Treatment with CTLA4-Ig (Abstract #162)
Timm Heinbokel, Markus Quante, Karoline Edtinger, Koichiro Minami, Yeqi Nian, Ashley Lau, Abdullah Elkhai, Stefan G. Tullius. Boston, MA; Tuebingen, Germany.

5:18 pm Metabolic Therapy as a Platform for CTLA4Ig Costimulation Blockade in Preventing Allograft Rejection (Abstract #163)

5:30 pm Screening of RhoA/ROCK Inhibitors for the Ability to Prevent Chronic Rejection of Mouse Cardiac Allografts (Abstract #164)
Wei Chen, Wenhao Chen, Xian Li, Rafik Ghobrial, Malgorzata Kloc. Houston, TX.

5:42 pm Alveolar Macrophages Derived from MCMV Latently Infected Donors Drives the Viral Reactivation and Dissemination Following the Orthotopic Left Lung Transplantation in Mice (Abstract #165)
Shuling Han, Zhikun Zheng, Miao He, Jiao-Jing Wang, Shixian Yan, Michael M. Abecassis, Zheng Zhang. Chicago, IL.

The Guest That NEVER Leaves: Immunologic Challenges in Heart Transplantation

Room 4C-3
Chairs: Geetha Bhat, PhD, MD, Advocate Christ Medical Center Heart Institute, Oak Lawn, IL, USA and Jose Tallaj, MD, University of Alabama at Birmingham, Birmingham, AL, USA

4:30 pm Comparing Outcomes between Induction Immunosuppressive Therapies in Simultaneous Heart/Kidney Transplantation (Abstract #166)

4:42 pm Impact of Infections on Patients with Left Ventricle Assist Devices(LVAD): Allo-Sensitization and Heart Transplantation (Abstract #167)
Cassandra Buto-Colletti, Pamela Kimball, Keyur Shah, Mohammed Quader. Richmond.
4:54 pm The Utility of a CD31/CD68 Dual Immunohistochemical Stain to Improve Accurate Diagnosis of Antibody Mediated Rejection in Cardiac Transplantation (Abstract #168)
Carolyn Glass, Yasmeen Butt, Tunc Gokaslan, Jose Torrealba. Dallas, TX.

5:06 pm Outcomes of C4d+ Immunostaining in Heart Transplantation: Is All Immunologic AMR Bad? (Abstract #169)

5:18 pm T Cell-Mediated Rejection Poses Greater Risk to Graft Survival Than Antibody-Mediated Rejection in Heart Transplants (Abstract #170)

5:30 pm Elevated Serum Penteraxin in Cardiac Allograft Antibody Mediated Rejection: From Cytokine Arrays to Patients with ABMR (Abstract #171)
Omar Moussa, Minoo Kavarana, Lynne Klingman, Joost Felius, Shelley Hall, Medhat Askar. Dallas; Charleston; Ann Arbor, MI.

5:42 pm High Frequency of HLA-DQ De Novo Donor Specific Antibodies is Independent of the Number of Mismatches in Heart Transplant (Abstract #172)
Xiaohai Zhang, Evan Kransdorf, Jignesh Patel, Jon Kobashigawa. Los Angeles, CA.

Poster Session B – Presenters in Attendance

Hall 4EF
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 159-190.

ASTS Town Hall and Reception
5:45 pm -7:00 pm
Room 2AB
# AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Monday, June 4, 2018

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<td>Debates in Heart Transplantation</td>
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<td>The Art of a Successful Lung Transplant</td>
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<td>Challenges in ICU Management of Critically Ill Patients with ESLD</td>
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<td>How to Effectively Use the Good Livers with Bad Stories</td>
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<td>I Get by with a Little Help from My Friends: Multispecialty Evaluation of the Pediatric Solid Organ Transplant Candidate</td>
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<td>Variability of Organ Utilization by DSA: Analysis of Issues Including OPO Recovery Factors, Transplant Program Behaviors and Regulatory Influences</td>
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<td>Living Donor Liver Transplant: Inflow, Outflow, How Low Can We Go</td>
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1:00 pm – 2:15 pm  
**Sponsored Satellite Symposia Located in the Sheraton Seattle Hotel**

**Sponsored by Shire**

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Grand Ballroom A/B, Second Floor

**Sponsored by Transplant Genomics**

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Metropolitan Ballroom A/B, Third Floor

1:00 pm – 2:15 pm  
**Luncheon Workshops**

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Ticketed Events

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Optimized Islet Isolation Techniques for Improving Outcomes of Islet Auto-Transplantation

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Prevention and Management of Long-term Viral Infections

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Luncheon Workshop: Looking Under the Hood of High Impact Research: From Idea to AJT Publication

1:00 pm – 2:15 pm  
**Featured Multidisciplinary Transplant Professionals Symposium II**

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The Legal and Pseudo-Legal: Navigating Substance Use and Abuse in Transplantation- Part 1

Page 70  
The Legal and Pseudo-Legal: Navigating Substance Use and Abuse in Transplantation - Part 2

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

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B-cell / Antibody

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CMV: Bench to Bedside

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IRI Acute Injury: Basic

Page 59  
Ischemia Reperfusion Injury: Time to Change the Paradigm?

Page 60  
Kidney Chronic Antibody Mediated Rejection

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<td>71</td>
<td>Addressing Re-Emerging Infectious Challenges to Transplantation</td>
<td>Room 602/603/604</td>
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<td>72</td>
<td>Endothelial Cell Biology</td>
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<td>Innate Immunity; Chemokines, Cytokines, Complement</td>
<td>Room 618/619/620</td>
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<td>Kidney Complications: Diagnostic Considerations</td>
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<td>Kidney Complications: Late Graft Failure</td>
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<td>Kidney Immunosuppression: Desensitization</td>
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<td>Kidney Living Donor: Long Term Outcomes</td>
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<td>Kidney: Cardiovascular and Metabolic - 2</td>
<td>Room 303</td>
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<td>Kidney: Surgical Considerations</td>
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<td>Liver: MELD, Allocation and Donor Issues - 1</td>
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<td>Liver: Pediatrics</td>
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<td>Non-Organ Specific: Economics, Public Policy, Allocation, Ethics - 1</td>
<td>Room 4C-4</td>
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<td>Pancreas and Islet - 1</td>
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<td>Psychosocial and Treatment Adherence</td>
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<td>Regulatory Issues</td>
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<td>Strategies to Promote Transplant Tolerance</td>
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<td>5:45 pm – 7:00 pm AST Town Hall &amp; Reception</td>
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6:00 pm – 7:00 pm  Poster Session C

Presenters in Attendance

Hall 4EF
Sunrise Interactive
7:00 am – 8:15 am

**Debates in Heart Transplantation**

*Room 618-620*

**Moderators:** Josf Stehlik, MD, University of Utah School of Medicine, Salt Lake City, UT, USA and Jon Kobashigawa, MD, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

**7:00 am PRO:** Hep-C Nat Positive Donors Should Be Considered for Heart Transplantation  
*Shelley Hall, MD*  
*Baylor University Medical Center*  
*Dallas, TX, USA*

**7:20 am CON:** Hep-C Nat Positive Donors Should Not Be Considered for Heart Transplantation  
*Ulrich Jorde, MD*  
*Montefiore Medical Center*  
*Bronx, NY, USA*

**7:40 am PRO:** Rebuttals  
*Shelley Hall, MD*  
*Baylor University Medical Center*  
*Dallas, TX, USA*

**7:50 am CON:** Rebuttals  
*Ulrich Jorde, MD*  
*Montefiore Medical Center*  
*Bronx, NY, USA*

**8:00 am Discussion**

**The Art of a Successful Lung Transplant**

*Room 4C-3*

**Moderators:** Joshua Mooney, MD, Stanford University, Stanford, CA, USA and Sangeeta Bhorade, MD, Northwestern University, Chicago, IL, USA

**7:00 am** How Well Does the Current Allocation System Predict a Successful Transplant?  
*Maryam Valapour, MD, MPP*  
*Cleveland Clinic*  
*Cleveland, OH, USA*

**7:20 am** The Impact of Age on Survival in Lung Transplant  
*Carli Lehr, MD*  
*Cleveland Clinic Foundation*  
*Cleveland, OH, USA*

**7:40 am Acute Rejection and Chronic Lung Allograft Dysfunction: Immune Mechanisms and Treatment Strategies**  
*Scott Palmer, MD, MHS*  
*Duke University Medical Center*  
*Durham, NC, USA*

**8:00 am Discussion**

**Challenges in ICU Management of Critically Ill Patients with ESLD**

*Room 608-609*

**Moderators:** Vatche Agopian, MD, University of California, Los Angeles, Los Angeles, CA, USA and Ram Subramanian, MD, Emory University, Atlanta, GA, USA

**7:00 am** To Transplant, Or Not to Transplant? That Is the Question: Can We Define Futility?  
*Francois Durand, MD*  
*University Paris Diderot*  
*Paris, France*

**7:20 am** Management of AKI: Who Should Be Offered RRT?  
*Mitra Nadim, MD*  
*University of Southern California, Keck Hospital of USC*  
*Los Angeles, CA, USA*

**7:40 am** Prevention and Management of Sepsis: Clear and Present Danger  
*Jody Olson, MD, FACP*  
*University of Kansas*  
*Kansas City, KS, USA*

**8:00 am Discussion**

**How to Effectively Use the Good Livers with Bad Stories**

*Room 602-604*

**Moderators:** Ronald W. Busuttil, MD, PhD, University of California Los Angeles, Los Angeles, CA, USA and Kristopher Croome, MD, Mayo Clinic Florida, Jacksonville, FL, USA

**7:00 am** The Steatotic Liver Donor  
*George Loss, MD, PhD*  
*Ochsner Multi-Organ Transplant Center*  
*New Orleans, LA, USA*
7:20 am  The Donation after Cardiac Death (DCD) Donor
Michael Wachs, MD
Aurora, CO, USA

7:40 am  The Elderly Donor
Marina Berenguer, MD
La Fe University Hospital
Valencia, Spain

8:00 am  Discussion

Should I Accept this Donor?  When to call your ID Friends at 2 AM - A Case-Based Panel
Room 6B
Moderators: Nicole Theodoropoulos, MD, MS, FAST, UMass Memorial Medical Center, Worcester, MA, USA and Cameron Wolfe, MD, Duke University Medical Center, Durham, NC, USA

7:00 am  The Unknown Unknowns of Donors
Daniel Kaul, MD
University of Michigan
Ann Arbor, MI, USA

7:20 am  Donors with Known Infections
Marian Michaels, MD, MPH
Children’s Hospital of Pittsburgh
Pittsburgh, PA, USA

7:40 am  Balancing the Donor Pool
Michael Ison, MD, MS
Northwestern University
Chicago, IL, USA

8:00 am  Discussion

Non-Directed Living Donors - A Debate
Room 6C
Moderators: John Gill, MD, MS, University of British Columbia, Vancouver, BC, Canada and Doug Norman, MD, Oregon Health & Science University, Portland, OR, USA

7:00 am  Non-Directed Donor Benefits/ Protections Should Be Greater Than Those for Directed Donors
E. Steve Woodle, MD
University of Cincinnati College of Medicine
Cincinnati, OH, USA

7:20 am  Acceptance Criteria Should Differ for Non-Directed and Directed Living Donors
Arthur Matas, MD
University of Minnesota
Minneapolis, MN, USA

7:40 am  Non-Directed Donors – A Local or National Resource?
Edward Cole, MD
University Health Network
Toronto, ON, Canada

8:00 am  Discussion

Clinical Practice, Teaching, AND Research — Oh My! Tools to Ease the Transition to a New Pharmacist Position
Room 606-607
Moderators: Tiffany Kaiser PharmD, University of Cincinnati, Cincinnati, OH and Jacqueline Clark, PharmD, University of Maryland Medical Center, Baltimore, MD

7:00 am  Establishing Yourself as A New Practitioner
Srijana Jonchhe, PharmD, BCPS
University of Maryland Medical Center
Baltimore, MD, USA

7:10 am  Building an Effective Yet Unique Transplant Clinical Practice
Andrew Mardis, PharmD
Palmetto Health
Columbia, SC, USA

7:20 am  Could You Be My Mentor?
Abbie Leino, PharmD
The Ohio State University
Columbus, OH, USA

7:30 am  Tools to Incorporate Student Pharmacists in Pharmacy and Research Services
Ruth-Ann Lee, PharmD, CPP
University of North Carolina
Chapel Hill, NC, USA

7:40 am  Tools for Efficiently Providing Quality Education to Students and Residents
Steve Gabardi, PharmD
Brigham and Women’s Hospital
Boston, MA, USA
AMERICAN TRANSPLANT CONGRESS
Program, Monday, June 4, 2018

7:50 am  Tools to Build and Advance Your Career
Mike Shullo, PharmD
University of Pittsburgh
Pittsburgh, PA, USA

8:00 am  Discussion

I Get by with a Little Help from My Friends: Multispecialty Evaluation of the Pediatric Solid Organ Transplant Candidate

Room 4C-4
Moderators: Beau Kelly, MD, MBA, DCI Donor Services, Sacramento, CA, USA and Christopher Almond, MD, MPH, Stanford University, Palo Alto, CA, USA

7:00 am  What the Pediatric Transplant Hepatologist Needs to Know
Evelyn Hsu, MD
Seattle Children’s Hospital
Seattle, WA, USA

7:15 am  What the Pediatric Transplant Nephrologist Needs to Know
Andre Dick, MD, MPH
Seattle Children’s Hospital
Seattle, WA, USA

7:30 am  What the Pediatric Transplant Cardiologist Needs to Know
Kevin Daly, MD
Boston Children’s Hospital
Boston, MA, USA

7:45 am  What the Pediatric Transplant Pulmonologist Needs to Know
Stuart Sweet, MD, PhD
Washington University
Saint Louis, MO, USA

8:00 am  Discussion

Sunrise Didactic
7:00 am – 8:15 am

Variability of Organ Utilization by DSA: Analysis of Issues Including OPO Recovery Factors, Transplant Program Behaviors and Regulatory Influences

Room 6A
Moderators: Kevin Cmunt, MS, Gift of Hope, Itasca, IL, USA and John Friedewald, MD, Northwestern University, Chicago, IL, USA

7:00 am  Transplant Program Behaviors: Comparison of Aggressive and Passive Programs
Amit Mathur, MD, MS
Mayo Clinic Arizona
Phoenix, AZ, USA

7:25 am  OPO Utilization Experiences: Comparison of High Organ Utilization Vs Low Organ Utilization
Kevin O’Connor, MS
Life Center Northwest OPO
Bellevue, WA, USA

7:50 am  The Role of Regulation in Influencing Utilization
Dennis Wagner, MPA
CMS
Baltimore, MD, USA

Endemic Infections or Zebras? Perspectives in SOT

Room 615-617
Moderators: Michele Morris, MD, FACP, FIDSA, University of Miami, Miami, FL, USA and Marcus Pereira, MD, MPH, Columbia University, New York, NY, USA

7:00 am  Update: Zika, Dengue, Chikungunya & West Nile
Clarisse Machado, MD
University of São Paulo
San Paolo, Brazil

7:25 am  Strongyloides & Other Worms: Approaching Screening
Peter Chin-Hong, MD
University of California, San Francisco
San Francisco, CA, USA
7:00 am  Emerging Role of the Purinergic System in Transplant Rejection
Paolo Fiorina, MD, PhD
Transplant Research Center
Boston, MA, USA

7:25 am  Emerging Role of Neuropeptides in Graft Rejection and Tolerance
TBD

7:50 am  Metabolic Reprogramming in the Control of Inflammation and Tissue Injury
TBD

Impact of Aging on Graft Immunogenicity and Injury

Room 611-614
Moderators: Stefan Tullius, MD, PhD, Brigham and Women’s Hospital, Boston, MA, USA and Jerzy Kupiec-Weglinski, MD, PhD, University of California Los Angeles, Los Angeles, CA, USA

7:00 am  Aging and Innate Immunity
Daniel Goldstein, MD
University of Michigan
Ann Arbor, MI, USA

7:25 am  Age, Mitochondria, and Graft Immunogenicity
Stefan Tullius, MD, PhD
Brigham and Women’s Hospital
Boston, MA, USA

7:50 am  Mechanisms and Strategies to Improve Graft Survival of Older Organs
James Kirkland, MD, PhD
Mayo Clinic
Rochester, MN, USA

Break
8:15 am – 8:30 am

Plenary Session II
8:30 am – 9:15 am

Room Hall 4B
Chairs: Dixon Kaufman, MD, PhD, University of Wisconsin, Madison, WI, USA and Dianne McKay

8:30 am  Elevated Skin Specific Non-HLA Antibodies Correlate with Acute Rejection Episodes in Clinical VCA (Abstract #173)

8:45 am  Donor Bone Marrow CXCR4+ Foxp3+ Treg Cells Are Essential for Costimulation Blockade-Induced Long-Term Survival of Murine Limb Transplants (Abstract #174)

9:00 am  Outcomes after HIV+ Kidney Transplant: A HOPE in Action Study (Abstract #175)

ASTS Presidential Address
Room Hall 4B
9:15 am – 9:45 am
Jean Emond, MD
New York Presbyterian/Columbia
New York, NY, USA

AST Presidential Address
Room Hall 4B
9:45 am – 10:15 am
Ronald Gill, PhD
University of Colorado Denver
Aurora, CO, USA

State-of-the-Art Speaker
Room Hall 4B
10:15 am – 10:45 am

VCA: Past, Present, and Future
Jean-Michel Dubernard, MD, PhD
University Lyon I
E. Herriot Hospital Lyon

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

Midday Didactic
11:15 am – 12:45 pm

Complicated Complications Complicate the Use of Mechanical Circulatory Support
Room 4C-3
Moderators: Nahush Mokdam, MD, University of Washington, Seattle, WA, USA and Palak Shah, MD, MS, Inova Heart and Vascular Institute, Falls Church, VA, USA

11:15 am Managing MCS Complications - A Growth Industry?
Claudius Mahr, DO, FACC
University of Washington
Seattle, WA, USA

11:45 am Long-Term Consequences of Short-Term Support
Anson Cheung, MD
University of British Columbia
Vancouver, BC, Canada

12:15 pm Stroke, Driveline Infection, GI Bleed – Best Evidence or Best Guessing?
Nir Uriel, MD
University of Chicago
Chicago, IL, USA

Living Donor Liver Transplant: Inflow, Outflow, How Low Can We Go
Room 618-620
Moderators: Charles Miller, MD, Cleveland Clinic Foundation, Cleveland, OH, USA and Chris Broelsch, MD, PhD, Duesseldorf, Germany

11:15 am Flow: Too Much, Too Little, Just Right
James Pomposelli, MD, PhD, FACS
University of Colorado School of Medicine
Aurora, CO, USA

11:45 am Let Me Out of Here: Outflow of LDLT Grafts, V5, V8 and Other Issues
Giwon Song, MD
Asan Medical Center, Ulsan University College of Medicine
Seoul, Korea

12:15 pm How Low Can We Go? Avoidance of SFSS or How to Manage It Successfully
Benjamin Samstein, MD
Weill Cornell Medicine
New York, NY, USA

Liver Transplantation in Challenging Cases: A bridge too far?
Room 6B
Moderators: Ram Subramanian, MD, Emory University, Atlanta, GA, USA, Susan Orloff, MD, FACS, FAASLD, Oregon Health Science University, Portland, OR, USA and Laura Hammel, MD, University of Wisconsin Hospitals and Clinics, Madison, WI, USA

11:15 am Case Presentation – Elderly NASH Patient with Cardiac and Renal Disease
Brendan McGuire, MD
University of Alabama at Birmingham
Birmingham, AL, USA

11:33 am Case Presentation – Surgical Challenges: The Hostile Abdomen
Kiran Dhanireddy, MD
University of Southern California
Los Angeles, CA, USA
11:51 am Case Presentation – Intra and Postoperative Management of Severe Portopulmonary Hypertension
Sherif Kandil, MD
University of Southern California
Glendale, CA, USA

12:09 pm Case Presentation – Futile Transplants? The Patient On Multiple Pressors and Ventilator Support
Vatche Agopian, MD
University of California, Los Angeles
Los Angeles, CA, USA

12:27 pm Case Presentation – Transplanting Jehovah’s Witness with Acute and Chronic Disease
Yuri Genyk, MD
University of Southern California
Los Angeles, CA, USA

**Viral Infections: State-of-the-Art Prevention**

*Hall B*
Moderators: Michael Green, MD, MPH, Children’s Hospital of Pittsburgh, Pittsburgh, PA, USA and Joanna Schaenman, MD, PhD, David Geffen School of Medicine at the University of California, Los Angeles, Los Angeles, CA, USA

11:15 am State of the Art CMV Prevention
Atul Humar, MD, MSC
Toronto General Hospital
Toronto, ON, Canada

11:45 am Preventing the Consequences of EBV
Vikas Dharmidharka, MD, MPH
Washington University in St. Louis
Saint Louis, MO, USA

12:15 pm T Cell Dysfunction and Its Clinical Impact/Translation
Wenhao Chen, PhD
Houston Methodist Research Institute
Houston, TX, USA

**Bench to Bedside- Overcoming Sensitization and Donor Antibodies**

*Room 6E*
Moderators: Anita Chong, PhD, University of Chicago, Chicago, IL, USA and Peter Nickerson, MD, Canadian Blood Services, Winnipeg, MB, Canada

11:15 am Basic Science
Anita Chong, PhD
University of Chicago
Chicago, IL, USA

**New Updates on T Cell Dysfunction/Exhaustion**

Room 606-607
Moderators: Jamil Azzi, MD, Harvard Medical School/Brigham and Women’s Hospital, Boston, MA, USA & John Iacomini, PhD, Tufts University, Boston, MA, USA

11:15 am Molecular Dissection of T Cell Dysfunction
Alice Long, PhD
Benaroya Research Institute at Virginia Mason
Seattle, WA, USA

11:45 am Effects of CMV on T cell inflammation and Immunosenescence
Jonathan Maltzman, MD, PhD
Stanford University
Palo Alto, CA, USA

12:15 pm T Cell Dysfunction and Its Clinical Impact/Translation
Wenhao Chen, PhD
Houston Methodist Research Institute
Houston, TX, USA

**Emerging Role of Nanotechnology in Transplantation**

Room 606-607
Moderators: Reza Abdi, MD, Brigham & Women’s Hospital, Boston, MA, USA and Xunrong Lou, MD, PhD, Northwestern University, Chicago, IL, USA

11:15 am Targeted Nanodelivery of Immunosuppression Drugs
Reza Abdi, MD
Brigham & Women’s Hospital
Boston, MA, USA

11:45 am Anti-PEG Antibodies: Current issues and beyond PEGylation
Shaoyi Jiang, MD
University of Washington
Seattle, WA, USA
12:15 pm Nanomaterials at the Crossroads of Tissue Engineering and Cancer Immunity
Miqin Zhang, PhD
University of Washington
Seattle, WA, USA

KPD Innovation
Room 6A
Moderators: Edward Cole, MD, University Health Network, Toronto, ON, Canada and John Friedewald, MD, Northwestern University, Chicago, IL, USA
11:15 am Protection of Donors in KPD Programs – Insurance, Lost Wages, Coverage of Donation Related Complications, Access to Living Donor Transplantation for Donors Developing ESRD
Nicole Turgeon, MD
Emory University
Atlanta, GA, USA

11:45 am Expanding KPD – Novel Approaches – Vouchers, Deceased Donors to Start Chains, Compatible Pairs, Reciprocity
Jeffrey Veale, MD
University of California Los Angeles
Los Angeles, CA, USA

12:15 pm All Hands on Deck! - Case Presentation - SRTR Data Utilization to Develop Projection Models of Future Risk
Jesse Schold, PhD
Cleveland Clinic
Cleveland, OH, USA

Medication Management through Transplanted Women’s Life Stages
Room 611-614
Moderators: Michael Moritz, MD, Lehigh Valley Hospital, Allentown, PA, USA and Nicole Sifontis, PharmD, Temple University School of Pharmacy, Philadelphia, PA, USA
11:15 am Beyond CNIs and Prednisone: Unique Immunosuppression in Pregnant Transplant Recipients
Christina Doligalski, PharmD, BCPS, CPP
University of North Carolina Health System
Chapel Hill, NC, USA

11:45 am Got Milk? Lactation Considerations in Transplant Recipients
Jillian Casale, PharmD, BCPS
University of Maryland Medical Center
Baltimore, MD, USA

12:15 pm It’s Hot in Here - Menopause and Hormonal Management Post Transplant
Carla Brady, MD, MHS
Duke University Medical Center
Durham, NC, USA

Liver Transplantation for Metabolic Disease
Room 602-604
Moderators: Srinath Chinnakotla, MD, MBA, University of Minnesota Medical School, Minneapolis, MN, USA and Michael Ishitani, MD, Mayo Clinic, Rochester, MN, USA
11:15 am Liver Transplantation for OTC
Janis Stoll, MD
Washington University School of Medicine
St. Louis, MO, USA
11:45 am  Liver Transplantation for Hemochromatosis
Ronen Arnon, MD
Mount Sinai
New York, NY, USA

12:15 pm  Liver / Kidney Transplantation for Oxaluria
David Sas, DO, MPH
Mayo Clinic
Rochester, MN, USA

The Economic Consequence of our Actions and Inactions
Room 6C
Moderators: John Gill, MD, MS, University of British Columbia, Vancouver, BC, Canada and Kenneth Newell, MD, PhD, Emory University, Atlanta, GA, USA

11:15 am  Economic Impact of Graft Loss for Kidney, Liver and Heart. Review of a Commercially Insured Population
Jon Friedman, MD
Optum
Cypress, CA, USA

11:45 am  Financial Neutrality for Living Donors: How Much Will It Cost to Ensure No Donor Is Out of Pocket
Scott Klarenbach, MD, MSc
University of Alberta
Edmonton, AB, Canada

12:15 pm  Extending Medicare Coverage for Life in the Current Era
David Axelrod, MD
Lahey Hospital & Medical Center
Burlington, MA

1:00 pm – 2:15 pm

4. Optimized Islet Isolation Techniques for Improving Outcomes of Islet Auto-Transplantation
Moderators: Michael G. Hughes, MD, University of Louisville, Louisville, KY, USA, Balamurugan N. Appakalai, PhD, University of Louisville, Louisville, KY, USA and Ty Dunn, MD, MS, University of Minnesota, Minneapolis, MN, USA

5. Prevention and Management of Long-term Viral Infections
Moderators: Joanna Schaenman, MD, PhD, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA and Marian Michaels, MD, MPH, Children’s Hosp of Pittsburgh, Pittsburgh, PA, USA

6. Looking Under the Hood of High Impact Research: From Idea to AJT Publication
Moderators: Kevin Daly, MD, Boston Children’s Hospital, Boston, MA, USA and Allan Kirk, MD, PhD, Duke University, Durham, NC, USA

1:00 PM – 1:15 PM
Complement Dependence of Murine Costimulatory Blockade-Resistant Cellular Cardiac Allograft Rejection
Nicholas Chun, MD
Mount Sinai School of Medicine
New York, NY, USA

1:25 PM – 1:40 PM
TBD
1:50 PM – 2:05 PM
Origin of Enriched Regulatory T Cells in Patients Receiving Combined Kidney–Bone Marrow Transplantation to Induce Transplantation Tolerance
Megan Sykes, MD
Columbia University
New York, NY, USA

Break
2:15 pm – 2:30 pm

Concurrent Oral Abstract Sessions
2:30 pm – 4:00 pm
B-cell / Antibody
Room 615/616/617
Chairs: Anita Chong, PhD, University of Chicago, Chicago, IL, USA and Emmanuel Zorn, Columbia University, New York, NY, USA

2:30 pm CTLA4-Ig and Bortezomib Successfully Reverses Established DSA Responses in Allograft-Sensitized Recipients (Abstract #176)
Dharmendra Jain, James Young, Dengping Yin, Ronald Pelletier, Anita Chong. Chicago, IL; Columbus, OH.

2:42 pm Prevention and Reversal of Diabetes through Restoration of B and T Cell Regulation and Immune Homeostasis (Abstract #177)
Kenneth Brayman, Preeti Chhabra, Christopher Wilson, Andrew Marshall, Daniel Moore. Charlottesville, VA; Nashville, TN.

2:54 pm Dependency on CD4 T Cells, Foreign Protein, and CD22 for Generation of Antibody Response to Non-Self Blood Group A-Antigen in a Mouse Model (Abstract #178)
Ibrahim Adam, Bruce Motyka, Kesheng Tao, Lori West. Edmonton, AB, Canada.

3:06 pm B Cell Immune Repertoire Sequencing Identifies Pre-Transplant Rejection Risk (Abstract #179)
Silvia Pineda, Tara K. Sigdel, Juliane Liberto, Krishna Roskin, Scott Robin, Marina Sirotka, Minnie M. Sarwal. SF; Stanford.

3:18 pm Ex Vivo Expanded Regulatory B Cells Promote Allograft Survival through IL-10-Dependent Pathway (Abstract #180)

3:30 pm Mitochondrial Autophagy Proteins Bnip3 and Nix Maintain Memory B Cell Survival (Abstract #181)
Srikanth Kodali, Hector Sandoval, Min Chen, Jin Wang. Houston, TX.

3:42 pm APRIL/BLyS Blockade Improves Depletion of Antibody Secreting B Cells Compared to BLyS Blockade Alone in Sensitized Murine Kidney Transplant Model (Abstract #182)
Natalie Bath, X. Ding, N. Wilson, B. Verhoven, A. Sukhwal, L. Coons, S. Panzer, A. Djamali, R. Redfield. Madison, WI.

CMV: Bench to Bedside
Room 608/609
Chairs: Steven Gabardi, PharmD, Brigham & Women’s Hospital, Boston, MA, USA and Atul Humar, Toronto General Hospital, Toronto, ON, Canada

2:30 pm Significant Anti-CMV/BKV Effect of a Modern Everolimus-Based Regimen Compared to a Standard Tacrolimus-MPA Regimen in De Novo Kidney Transplant Recipients: ATHENA 12 Months Data on Infections (Abstract #183)
Ingeborg A. Hauser, Claudia Sommerer, Barbara Suwelack, Duska Dragun, Oliver Witzke, Christian Hugo, Nassim Kamar, Pierre Merville, Peter Schenker, Martina Junge, Friedrich Thaiss, Björn Nashan. , Germany; , France; Pharma, Germany.
2:42 pm  |  CMV-Specific Cell-Mediated Immunity after Valgancyclovir Prophylaxis Predicts Late Onset CMV Infection in Kidney Transplant Patients (Abstract #184)

3:06 pm  |  The Incidence of Polyomavirus-BK and Cytomegalovirus Infections in Renal Transplant Recipients Following Rituximab Administration (Abstract #186)
Antonia Kraljevic, Carly D’Agostino, Clare Kane, Kathleen Cunningham, Aneesha Shetty, Chad Richardson. Chicago, IL.

3:18 pm  |  Prospective, Multi-Center Observational Study of Cell-Mediated Immunity for Cytomegalovirus Infection in Kidney Transplant Recipients (Abstract #187)
Deepali Kumar, Peter Chin-Hong, Liise Kayler, David Wojciechowski, Ajit P. Limaye, Osama Gaber, Simon Ball, Aneesh Mehta, Ted Blanchard, Camille Kotton. Toronto, Canada; San Francisco; Buffalo; Boston; Seattle; Houston; Birmingham, United Kingdom; Atlanta; Marlborough.

2:54 pm  |  Kidney Transplant Allocation with CMV Seromatching Reduces CMV Infection without Affecting Wait Times (Abstract #185)
Akshita Narra, Lynne Strasfeld, Debargha Basuli, Megan Stack, Eric Langewisch, Ali Olyaei, Douglas Norman, Joseph Lockridge. Portland, OR; Omaha, NE.

3:30 pm  |  T-Cell Depletion Does Not Increase the Risk of CMV Infection in Donor-Positive, Recipient-Negative Kidney Transplants Due to the Absence of Preformed CMV-Specific Cell-Mediated Immunity (Abstract #188)
Marta Jarque, Hannah Kaminski, Lionel Couzi, Elena Crespo, Julie Déchanet-Merville, Sergi Luque, Nuria Montero, Manuel Pascual, Oriol Manuel, Pierre Merville, Oriol Bestard. Barcelona, Spain; Bordeaux, France; Lausanne, Switzerland.

Napat Leeaphorn, Neetika Garg, Natanong Thamcharoen, Eliyahu Khankin, Francesca Cardarelli, Martha Pavlakis. Boston, MA; Madison, WI.

IRI Acute Injury: Basic
Room 618/619/620
Chairs: David Foley, M.D., University of Wisconsin School of Medicine and Public Health, Madison, WI, USA and Peter Heeger, Icahn School of Medicine at Mount Sinai, New York, NY, USA

2:30 pm  |  Improving DCD Livers Graft Function Using CD47 Blockade in the Setting of Normothermic Liver Perfusion (Abstract #190)
Sandra Garcia-Aroz, Min Xu, Xuanchuan Wang, Joshua Hollingshead, Adeel Khan, Babak Banan, Liang Kang, Zhengyan Zhang, Gundumi Upadhyya, Ying Lin, Pamela Manning, William Chapman. St. Louis.

2:42 pm  |  Extra-Renal Effects of Estrogen Receptor-Alpha Mediate Protection from Renal Ischemia-Reperfusion Injury (Abstract #191)
2:54 pm Prolonged Cold Ischemia Storage of Renal Allografts Shifts DSA Specificity and Enhances Glomerular Injury (Abstract #192)
Victoria Gorbacheva, Ran Fan, William M. Baldwin, Anna Valujskikh. Cleveland, OH.

3:06 pm Circulating Exosomes with Lung Self-Antigens, K\(\alpha\)1Tubulin and Collagen V, and Immune Regulatory Proteins in Lung Transplant Recipient with Primary Graft Dysfunction (Abstract #193)

3:18 pm SIRT1-Ikaros Axis Promotes Macrophage M2 Polarization and Protects Liver Graft from Ischemia-Reperfusion Injury (Abstract #194)
Kojiro Nakamura, Shoichi Kageyama, Xiaoling Li, Antony Aziz, Rebecca A. Sosa, Elaine F. Reed, Fady M. Kaldas, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA; Durham, NC.

3:30 pm Recipient HO-1 Deficiency Decreases Post-Transplant Graft HO-1 Expression and Exacerbates Liver Transplant Damage (Abstract #195)
Shoichi Kageyama, Kojiro Nakamura, Takahiro Ito, Antony Aziz, Bibo Ke, Rebecca A. Sossa, Elaine F. Reed, Fady M. Kaldas, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA.

3:42 pm Recombinant Relaxin Protects Liver Transplants from Ischemia-Reperfusion Damage via Hepatocyte Glucocorticoid Receptor: From Bench-to-Bedside (Abstract #196)
Shoichi Kageyama, Kojiro Nakamura, Takahiro Ito, Antony Aziz, Bibo Ke, Rebecca A. Sossa, Elaine F. Reed, Fady M. Kaldas, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA.

Ischemia Reperfusion Injury: Time to Change the Paradigm?
Room 8B
Chairs: James Burdick, MD, Johns Hopkins Medicine, St Michaels, MD, USA and Robert Cannon, MD, University of Louisville, Louisville, Kentucky, USA

2:30 pm The First Series of Ischemia-Free Liver Transplantation in Human (Abstract #197)
Xiaoshun He, Zhiyong Guo, Shanzhou Huang, Qiang Zhao, Yunhua Tang, Zhiheng Zhang, Zebin Zhu, Weiqiang Ju, Lu Yang, Guodong Chen. Guangzhou, Guangdong, China.

2:42 pm QPI-1002, a siRNA Targeting p53: Improvement in Outcomes Following Acute Kidney Injury (AKI): Cardiac Surgery to AKI Donors (Abstract #198)
Jean Tchervenkov, Elizabeth Squiers, Robert Stratta, Daniel Odenheimer, Daniel Rothenstein, QPI-1002 DGF Study Group. Fremont; Montreal, Canada; Winston-Salem.

2:54 pm Normothermic Machine Perfusion (NMP) Preservation for Human Liver Transplantation in the Cleveland Clinic (Abstract #199)
Qiang Liu, Daniele Pezzati, Ahmed Hassan, Basem Soliman, Patrick Grady, Shana Maikhor, Giuseppe Iuppa, Teresa Diago Uso, Koji Hashimoto, Federico Aucejo, Masato Fujiki, Bijan Eghtesad, Jacek Cywinski, Samuel Irefin, John Fung, Kareem Abu-Elmagd, Charles Miller, Cristiano Quintini. Cleveland, OH.

3:06 pm Pharmacological Defatting of Steatotic Human Livers Using a Novel Perfusion Solution during Normothermic Machine Perfusion (Abstract #200)
3:18 pm  One-Pump versus Two-Pump Normothermic Ex Vivo Perfusion Machines in Discarded Human Livers (Abstract #201)
Ahmed Hassan, Qiang Liu, Daniele Pezzati, Ahmed Nassar, Basem Soliman, Matthew Blum, Patrick Grady, Giuseppe Iuppa, Teresa Diago Uso, John Fung, Kareem Abu-Elmagd, Cristiano Quintini. Cleveland.

2:42 pm  Tocilizumab Stabilizes Renal Function in Kidney Transplant Recipients with Chronic Active Antibody Mediated Rejection (CAAMR) (Abstract #205)

3:30 pm  Extracellular Microvesicles from Liver Perfusate: microRNAs, Cellular Cross-Talk, and Early-Post Liver Transplant Outcomes (Abstract #202)
Angela Fernandez, Olivia Ingram, Sai Vineela Bontha, Uta Erdbruegger, Luca Musante, Valeria Mas, Daniel Maluf. Charlottesville.

2:54 pm  Extended Experience Using Tocilizumab (Anti-IL6R, TCZ) for the Treatment of Chronic Antibody Mediated Rejection (CABMR) (Abstract #206)
Jua Choi, Olivier Aubert, Sabrina Louie, Nori Ammerman, Ashley Vo, Alice Peng, Edmund Huang, Reiad Nijjar, Dechu Pulyanda, Supreet Sethi, Mark Haas, Kathryn Lim, Alexandre Loupy, Stanley Jordan. Los Angeles, CA; Paris, France.

3:42 pm  Resuscitation and Viability Testing of Initially Declined Livers Using Sequential Hypo- and Normothermic Machine Perfusion with an Acellular Fluid (Abstract #203)

3:06 pm  Class II Anti-HLA IgG2 and IgG3 DSAs Predict Poorer Outcomes in Chronic Antibody Mediated Rejection of Renal Allografts (Abstract #207)

3:18 pm  Antibody-Verified Eplet Mismatches as Determinants of Premature Kidney Transplant Loss (Abstract #208)
Ruth Sapir-Pichhadze, Xun Zhang, Abdelhakim Ferradji, Abeer Madbouly, Stephanie Fingerson, Kathryn Tinkham, Howard Gebel, Heloise Cardinal, Bethany Foster. Montreal, Canada; Minneapolis; Atlanta; Toronto, Canada.

3:30 pm  Treatment of Active Chronic Antibody-Mediated Rejection with Rituximab, IVIG and Plasma Exchange (Abstract #209)

Kidney Chronic Antibody Mediated Rejection

Room 4B
Chairs: Joseph Kahwaji, MD, MPH, Kaiser Los Angeles Medical Center, Los Angeles, CA, USA and Milagros Samaniego, MD, Henry Ford Transplant Institute, Detroit, MI, USA

2:30 pm  Bortezomib in Late Antibody-Mediated Kidney Transplant Rejection - A Double-Blind Randomized Placebo-Controlled Trial (BORTEJECT Study) (Abstract #204)
Farsad A. Eskandary, Heinz Regele, Gregor Bond, Nicolas Kozakowski, Markus Wahrmann, Luis G. Hidalgo, Helmut Haslacher, Christopher C. Kaltenecker, Marie-Bernadette Aretin, Rainer Oberbauer, Jeff Reeve, Philipp F. Halloran, Georg A. Böhmig. Viena, Austria; Vienna, Austria; Edmonton, AB, Canada.
3:42 pm  Inflammation in Scarred Areas (I-IFTA) is a Reflection of Parenchymal Injury (Response to Wounding) Not T Cell-Mediated Rejection (Abstract #210)
Philip F. Halloran, Jessica Chang, Konrad S. Famulski. Edmonton, AB, Canada.

Kidney Immunosuppression: Induction Therapy
Room 6C
Chairs: Eric Langewisch, MD, University of Nebraska Medical Center, Omaha, NE, USA and Alexander Maskin, M.D., F.A.C.S., University of Nebraska Medical Center, Omaha, NE, USA

2:30 pm  Alemtuzumab is Associated with Higher Rates of De Novo Donor Specific Antibody (DSA) in Patients with No Pre-Transplant DSA (Abstract #211)

2:42 pm  Decreased Long-Term Survival with Antithymocyte Globulin Induction in Elderly Kidney Transplant Recipients (Abstract #212)
Iman Bajjoka, Alexander Yaldo, Catherine Crombez, Marwan Abouljoud. Detroit, MI.

2:54 pm  Thymoglobulin Induction in HIV Positive Kidney Transplant Recipients: Report on Transplant and HIV Outcomes (Abstract #213)
Eric M. Gibney, Thuy Ommert, Rosemary Cross, Alexa Ray, Jose Lizcano. Atlanta, GA.

3:06 pm  Effect of Induction Therapy on CD4 Cell Count Recovery Following Renal Transplantation in HIV Positive Recipients – A Single Center Experience (Abstract #214)
Juan L. Chique Figueroa, Mary Prendergast, Hani Wadei, Martin Mai, Katherine Oshel, Deanne Leonard. Jacksonville, FL.

3:18 pm  Thymoglobulin Induction Decreases Risk of Death in HLA-Sensitized Kidney Recipients (Abstract #215)

3:30 pm  Clinical and Pathological Findings in Hepatitis C Positive Renal Transplant Recipients Following Alemtuzumab Induction (Abstract #216)

3:42 pm  Deceased Donor Urinary Biomarker Signature and the Effectiveness of Peritransplant Lymphocyte Depletion on Early Renal Allograft Function (Abstract #217)
Schröppel Bernd, Peter Heeger, Thiessen-Philbrook Heather, Isaac Hall, Mona Doshi, Francis Weng, Peter Reese, Chirag Parikh. New York, NY; Ulm, Germany; New Haven, CT; Detroit, MI; Livingston, NJ; Philadelphia, PA; Salt Lake City, UT.

Kidney Living Donation: Donor and Recipient Outcomes
Room 6E
Chairs: John Magee, MD, University of Michigan Med Ctr, Ann Arbor, MI, USA and Scott Westphal, MD, University of Nebraska Medical Center, Omaha, NE, USA

2:30 pm  Nephrosclerosis beyond That Expected for Age is Predictive of Early New-Onset Hypertension (HTN) in Living Kidney Donors (LKD) (Abstract #218)
Naim Issa, Lisa Vaughan, Aleksandar Denic, Venkata Nagineni, Harini Chakkera, John Lieske, Lilach Lerman, Sandra Taler, Mark Stegall, Walter Kremers, Emilio Poggio, Andrew Rule. Rochester, MN; Scottsdale, AZ; Cleveland, OH.
2:42 pm Prospective, Double Blind, Randomized Trial Comparing the Use of Ketorolac and Lyrica versus SOC+placebo during Live Donor Nephrectomy for Transplant (Abstract #219)
J. Campsen, T. Call, A. Rosales, C. Allen, A. Presson, R. Kim. Salt Lake City, UT.

Kidney Psychosocial - 2

Room 210

Chairs: Christopher Blosser, MD, University of Washington, Seattle, WA, USA and Clarence Foster, MD, TriStar Centennial Medical Center, Nashville, Tennessee, USA

2:30 pm Association of Health Literacy with Adverse Outcomes among Kidney Transplant Candidates and Recipients (Abstract #225)

2:42 pm Validation of a Transplant Knowledge Quiz and Its Impact on Outcomes in Kidney Transplant Recipients (Abstract #226)

2:54 pm Modifiable Causes of Racial Disparities in Living Donor Kidney Transplant (Abstract #227)

3:06 pm Non-Medical Factors Predict Receipt and Type of Kidney Transplant in Veterans (Abstract #228)
3:18 pm Quality of Social Support Network and Access to Transplant: What Matters? (Abstract #229)

3:30 pm Efficacy of At-Home Transplant Education on Transplant Knowledge and Pursuit in Low-Income and Black Dialysis Patients with Varying Educational Characteristics (Abstract #230)

3:42 pm Exercise Rehabilitation’s Effect on Employment and School Rates in Kidney Transplant Patients (Abstract #231)
Alexandra Kastelz, Caterina Di Bella, Ivo Tzvetanov, Bo Fernhall, Lorenzo Gallon, Greg Hachaj, Enrico Benedetti. Chicago, IL.

3:18 pm Comparative BMI, Waist Circumference and Waist-to-Height Ratio for Identification of Cardiovascular Risk in Pediatric Kidney Transplant Recipients (Abstract #236)
K. Sgambat, S. Clauss, Asha Moudgil. Washington DC.

2:54 pm Low Kidney Supply to Demand Ratio and Multi-Organ Transplant Centers Are Negatively Associated with Pediatric Renal Transplant Rates Post Kidney Allocation System Implementation: An Analysis of OPTN Data (Abstract #234)
Patrick S. Almond, Samhar I. Al-Akash, Darren Stewart, Amanda Robinson. Corpus Christi, TX; Richmond, VA.

3:06 pm BK Polyomavirus (BKPv)-Specific T Cells as a Diagnostic and Prognostic Marker for BKPv-Infections after Pediatric Kidney Transplantation (Abstract #235)
Thurid Ahlenstiel-Grunow, Martina Sester, Urban Sester, Lars Pape. Hannover, Germany; Homburg, Germany.

3:18 pm Improved Renal Allograft Survival for Pre-Emptive Paediatric Renal Transplant Recipients in the United Kingdom (Abstract #237)
Matko Marlais, Kate Martin, Stephen D. Marks. London, United Kingdom; Bristol, United Kingdom.

3:42 pm Are Donation after Cardiac Death (DCD) Kidneys Unsuitable for Pediatric Recipients? (Abstract #233)
Malcolm P. MacComnara, Swee L. Levea, Christine S. Hwang. Dallas, TX.

2:30 pm Assessment and Outcomes of Medication Nonadherence in Pediatric Kidney Transplant Recipients: Results from the IMPACT Study (Abstract #232)
Aditi Dokras, Meghan Pearl, John Peipert, Paul Grimm, Barry Warshaw, Eileen Chambers, Allan Kirk, Robert Ettinger. Los Angeles, CA; Atlanta, GA; Durham, NC; Palo Alto, CA.

3:24 pm Isolated Pre-Transplant Angiotensin II Type I Receptor Antibodies (AT1R Ab) Are Not Associated with Reduced Graft Function or Hypertension (HTN) in Pediatric Kidney Transplant (Ped KTx) Patients (pts) (Abstract #238)
Helen Pizzo, Jua Choi, Mark Haas, Xiaohai Zhang, Elaine Kamil, Irene Kim, Stanley Jordan, Dechu Puliyanda. Los Angeles, CA.
Liver Retransplantation and Other Complications

Room 6A

Chairs: Talia Baker, MD, University of Chicago Medicine, Chicago, IL, USA and Ari Cohen, MD, Oschner Clinic, New Orleans, LA, USA

2:30 pm Clinical Implications of Positive Crossmatch in Liver Retransplants (Abstract #239)

2:42 pm The Impact of Donor Specific Alloantibodies on Long-Term Outcomes of Liver Re-Transplantation (Abstract #240)
Qingyong Xu, Anton Skaro, Vivian C. McAlister. London, ON, Canada.

2:54 pm Outcomes in Liver and Combined Liver-Kidney Retransplantation (Abstract #241)
Dennis I. Sonnier, David S. Bruce, Humberto Bohorquez, Emily Bugeaud, Ian Carmody, Ari J. Cohen, Abhishek Mathur, John B. Seal, George E. Loss. New Orleans, LA.

3:06 pm Livers from Donation after Circulatory Death Donors Can Be Safely Used for Retransplantation (Abstract #242)

3:18 pm Retransplantation after Living Donor Liver Transplantation: Analysis of Data from the A2ALL Study (Abstract #243)

3:30 pm Outcomes of Pregnancies in Female Liver Transplant Recipients (Abstract #244)
Lisa A. Coscia, Dawn P. Armenti, Priyal Patel, Serban Constantinescu, Michael J. Moritz. Philadelphia, PA; Allentown, PA; Tampa, FL.

3:42 pm Long-Term Follow-Up of Patients with Primary Sclerosing Cholangitis Undergoing Liver Transplantation with Duct-to-Duct Biliary Reconstruction (Abstract #245)
Laia Coromina Hernandez, Bijan Eghtesad, Teresa Diago, Koji Hashimoto, Masato Fujiki, Cristiano Quintini, Federico Aucejo, Giuseppe Iuppa, Ahmed Hassan, Narayanan Menon, Charles Miller. Cleveland, OH.

Liver: Viral Hepatitis

Room 602/603/604

Chairs: Helen Te, Univ of Chicago Medicine, Chicago, IL, USA and Elizabeth Verna, MS, MSc, Columbia University, New York, NY, USA

2:30 pm Diagnostic Accuracy of Non-Invasive Test of Hepatic Fibrosis in Liver Transplant Recipients (Abstract #246)

2:42 pm Impact of Direct Acting Antiviral Agents (DAAs) for Hepatitis C Virus (HCV)-Induced Liver Diseases on Registration and Outcome on Waiting List (WL) for Liver Transplant (LT) (Abstract #247)
Corinne Antoine, Carine Jasseron, Filomena Conti, Sebastien Dharrancy, Christophe Duvoux, Audrey Coilly. La Plaine Saint Denis, Saint Denis, France; Paris, France; Lille, Nord Pas de Calais, France; Créteil, Val de Marne, France; Villejuif, Val de Marne, France.
2:54 pm  Impact of Direct Acting Antivirals of Hepatitis C Virus Therapy on Tacrolimus Dosing Post-Liver Transplant (Abstract #248)
Alex Bixby, Linda Fitzgerald, Rachael Leek, Jessica Mellinger, Sarah Tischer. Ann Arbor, MI.

3:06 pm  Private Insurance is Associated with Reduce Access to HCV Therapy after Liver Transplantation (Abstract #249)
David A. Axelrod, Mark A. Schnitzler, Bertran L. Kasiske, Greg Hess, Roy Bloom, Fredric Gordon, Henry Randall, Krista L. Lentine. Burlington; St. Louis; Minneapolis; Conshohocken; Philadelphia.

3:18 pm  Direct-Acting Antiviral Therapy Immune-Mediated Graft Dysfunction in Liver Transplant Recipients with Hepatitis C (Abstract #250)

3:30 pm  Incidence of Acute Cellular Rejection in Liver Transplant Patients Receiving Direct Acting Antivirals for Hepatitis C Treatment (Abstract #251)
Danielle Bley, Lisa Sagardia, Ryan M. Ford, Sarah B. Todd. Atlanta, GA.

3:42 pm  Making Sense of Hepatitis B Reactivation Risk in Anti-HBc Antibody (Ab) Positive Liver Transplant Recipients (Abstract #252)
Samantha C. Leistman, Jennifer I. Melaragno, M. Katherine Dokus, Bandar Al-Judaibi, Tara M. Babu. Rochester, NY.

Location, Location, Allocation in Heart Transplantation
Room 4C-3
Chairs: Teresa DeMarco, MD, UCSF, San Francisco, CA, USA and Shelley Hall, MD, Baylor Dallas, Dallas, Texas, USA

2:30 pm  Impact of Pre-Transplant Dialysis on ESRD-Free and Patient Survival in Heart Transplant Alone and in Simultaneous Heart/Kidney Transplant Recipients: UNOS Data Analysis (Abstract #253)
Sanjeev Akkina, Amishi Desai, Jongwon Yoo, Susan Hou, Ravi Parasuraman. Maywood, IL.

2:42 pm  Analyzing Geographic Disparity in the US Heart Allocation System (Abstract #254)
Fatemeh Karami, Mehdi Nayeboor, Monica Gentili, Naoru Koizumi, Andrew Rivard. Louisville, KY; Arlington; Abu Dhabi, United Arab Emirates.

2:54 pm  Geographic Variation in the Survival Benefit of Heart Transplantation (Abstract #255)

3:06 pm  Waiting for the Optimal Donor for MCS Patients Awaiting Heart Transplant (Abstract #256)

3:18 pm  Providing Actual Echocardiographic Images to Centers Markedly Increases Transplantation of Deceased Donor Hearts (Abstract #257)
Jeffrey Trageser, Charles Wainaia, Lisa Stocks, Robert Steiner. San Diego, CA.
3:30 pm  Do Recent Heart Transplant Patients Need to Reside Close to the Transplanting Center? A Look at the Impact of Commuting Times on Clinical Outcomes (Abstract #258)

3:42 pm  Increasing Use of Exceptions after Changes to Pediatric Heart Allocation (Abstract #259)
Amanda M. Robinson, William T. Mahle, Ryan R. Davies. Richmond, VA; Atlanta, GA; Dallas, TX.

Novel Regulatory Pathways in Tolerance

Room 606/607
Chairs: Jamil Azzi, Harvard Medical School, Brigham and Women’s Hospital, Boston, MA, USA and Robert Fairchild, PhD, Cleveland Clinic, Cleveland, OH, USA

2:30 pm  Enrichment of Endogenous Donor-Reactive Tregs in the Spleen and Graft during Transplantation Tolerance is the Result of Treg Proliferation and Conversion from Tconv (Abstract #260)
James S. Young, Dengping Yin, Maria-Luisa Alegre, Anita S. Chong. Chicago, IL.

2:42 pm  Differential Effects of Inhibiting Glycolysis on Human Treg Subsets (Abstract #261)
Naoki Tanimine, Bhavana Priyadharshini, Sharon Germana, Laurence Turka. Boston, MA.

2:54 pm  Central Role of Mef2 Transcription Factors in Regulation of Foxp3 Expression and Treg Function (Abstract #262)
Arabinda Samanta, Liqing Wang, Rongxiang Han, Wayne W. Hancock. Philadelphia.

3:06 pm  Early Evolution and Pathologic Characteristics of Treg-Rich Organized Lymphoid Structures (TOLS) Associated with Immunological Tolerance in Accepted Mouse Kidney Allografts (Abstract #263)

3:18 pm  The Mark of Zorro: IL35-Coated Exosomes Cross-Dress and Exhaust Recipient T & B Cells during Transplant Tolerance (Abstract #264)
William J. Burlingham, Jeremy A. Sullivan, Diego A. Lema, Yusuke Tomita, Ying Zhou, Dario Vignali. Madison, WI; Tokyo, Japan; Pittsburgh, PA.

3:30 pm  C5aR Regulates Myeloid Derived Suppressor Cells (MDSCs) in Transplantation (Abstract #265)
Ines Llaudo, Jordi Ochando, Peter S. Heeger. New York, NY.

3:42 pm  CD4+ T Cells Are Key Barriers to Tolerance Resistance to Islet Allografts in Autoimmune NOD Mice (Abstract #266)
Adam L. Burrack, K. Scott Beard, Marilyne Coulombe, Ronald G. Gill. Minneapolis, MN; Aurora, CO.

PTLD/Malignancies: All Topics

Room 4C-4
Chairs: Olivia Martinez, Stanford University School of Medicine, Stanford, California, USA and E. Steve Woodle, University of Cincinnati College of Medicine, Cincinnati, OH, USA

2:30 pm  Outcomes of Organ Transplantation from Donors with Cancer History (Abstract #267)
Zhiyong Guo, Xiaoshun He, Shanzhou Huang. Guangzhou, China.
2:42 pm  A Novel Nomogram-Based Approach for Defining the Effect of Transplantation on Cancer Recurrence Risk (Abstract #268)

3:06 pm  Prospective Analysis of EBV+ PTLD Incidence in Pediatric Transplant Recipients in the Modern Era (Abstract #270)
Olivia M. Martinez, Sheri M. Krams, Mary Gay Lapasaran, Scott D. Boyd, Daniel Bernstein, Clare Twist, Kenneth Weinberg, Dita Gratzinger, Brent Tan, Brian Armstrong, David Ikle, Merideth Brown, Mark Robien, Carlos O. Esquivel, The CTOTC-06 Investigators. Stanford; Buffalo; Chapel Hill; Bethesda.

2:54 pm  Organ Transplantation Associated with High Incidence of Anal Cancer and Pre-Cancer Lesions among HIV-Infected Women and Men (Abstract #269)
Peter Chin-Hong, Burc Barin, Michael Berry, Maria DaCosta, Tere Darragh, Lori Rosenthal, Steve Bartlett, Douglas Dieterich, Fred Poordad, Nicolas Nissen, Mike Wong, Peter Stock, Joel Palefsky. San Francisco; Rockville; New York; Baltimore; Los Angeles; Boston.

3:42 pm  Characterization of Viral and Host Cell Genomic Alterations in EBV+ PTLD (Abstract #273)

3:18 pm  Programmed Cell Death Ligand 1 (PD-L1) Expression is Associated with Subtypes of Post-Transplant Lymphoproliferative Disorders (PTLD) (Abstract #271)

3:06 pm  Variation in Post-Transplant Opiate Prescribing Patterns across Transplant Centers (Abstract #277)

2:30 pm  Transplant Surgeon Perspectives on General Surgery in Transplant Recipients (Abstract #274)

2:20 pm  Simultaneous versus Pretransplant Native Nephrectomy in Autosomal Dominant Polycystic Kidney Disease Patients (Abstract #276)
Mohamed Eltemamy, Alice Crane, Mary Elmer-Dewitt, Brenda N. Frainey, Ahmed Elshafei, Alvin Wee, David Goldfarb, Venkatesh Krishnamurthi. Cleveland.

2:54 pm  Robotics Pancreas Transplantation in Obese Recipients: Preliminary Results (Abstract #275)
Mario Spaggiari, Caterina Di Bella, Pierpaolo Di Cocco, Federico Gheza, Enrico Benedetti, Ivo Tzvetanov, Jose’ Oberholzer. Chicago, IL; Virginia, VA.
3:18 pm  Incisional Hernia Repair after Abdominal Solid Organ Transplant and Living Kidney Donation: A Single Institution Experience (Abstract #278)
Clark Kensinger, Sharon Phillips, Doug Hale, David Shaffer, Ben Poulose, Rebecca Baucom. Madison; Nashville; Dallas.

3:30 pm  Post Reperfusion Portal Flow Rate Impacts Liver Allograft and Patient Survival in Patients with Pre Transplant Portal Vein Thrombosis (Abstract #279)
Michael Rizzari, Mohamed Safwan, Michael Sobolic, Shunji Nagai, Randolph Schilke, Kelly Collins, Atsushi Yoshida, Marwan Abouljoud. Detroit, MI.

3:42 pm  Comparison of Three Approaches for Laparoscopic Donor Nephrectomy: Transvaginal, Transumbilical Single Site and Retroperitoneal (Abstract #280)
Masayoshi Miura, Hiroshi Higashiyama. Sapporo, Japan.

2:30 pm  Molecular Analysis of Acute Cellular Rejection in Clinical Face Transplants (Abstract #281)

2:42 pm  Histone Deacetylase Inhibition Mitigates Limb Ischemia Reperfusion Injury (Abstract #282)
Featured Multidisciplinary Transplant Professionals Symposium II
2:30 pm – 6:00 pm

The Legal and Pseudo-Legal: Navigating Substance Use and Abuse in Transplantation - Part 1
Room 611-614
Moderators: Chelsea Sammons, PharmD, Hospital of University of Pennsylvania, Philadelphia, PA, USA and Sheila Jowsey-Gregoire, PhD, Mayo Clinic Rochester, Rochester, MN, USA

2:30 pm A Painful Topic: The Impact of Opiate Use in Transplant Candidates and Recipients
Joelle Nelson, PharmD, BCPS
University of Florida Shands Gainsville, FL, USA

2:50 pm A Painful Topic: The Impact of Opiate Use in Transplant Candidates and Recipients
Jody Jones, PhD
University of Iowa
Iowa City, IA, USA

3:10 pm How Much Is Too Much: Tobacco and Alcohol Use in Transplant Candidates and Recipients
Kristen Kronsnoble, PhD
Tampa General Hospital
Tampa, FL, USA

3:30 pm How Much Is Too Much: Tobacco and Alcohol Use in Transplant Candidates and Recipients
Charlie Thomas, LCSW
Banner University Medical Center
Phoenix, AZ, USA

3:50 pm Discussion

Coffee Break in Exhibit Hall
4:00 pm – 4:30 pm

Room Hall 4EF

The Legal and Pseudo-Legal: Navigating Substance Use and Abuse in Transplantation - Part 2
4:30 pm It’s Not All DOPE: Outcomes, Risks, And Potential Merits to Transplanting a Marijuana User
Kimi Ueda, PharmD, BCPS, FAST
California Pacific Medical Center
San Francisco, CA, USA

4:45 pm Rolling It All Together: Marijuana and Immunosuppression
Robert Page, PharmD, MSPH
University of Colorado School of Pharmacy
Denver, CO, USA

5:00 pm Getting into The WEEDS: What’s Your Policy On Marijuana Use in The Transplant Candidate?
Patrick Smith, PhD
Duke University
Durham, NC, USA

5:10 pm Getting into The WEEDS: What’s Your Policy On Marijuana Use in The Transplant Candidate?
Zeeshan Butt, PhD
Northwestern University Feinberg School of Medicine
Chicago, IL, USA

5:20 pm Getting into The WEEDS: What’s Your Policy On Marijuana Use in The Transplant Candidate?
Pam Gillette, MPH, RN, FACHE
Vidant Medical Center
New Orleans, LA, USA

5:30 pm Panel Discussion
Panelists:
Patrick Smith, PhD
Duke University
Durham, NC, USA

Zeeshan Butt, PhD
Northwestern University Feinberg School of Medicine
Chicago, IL, USA

Pam Gillette, MPH, RN, FACHE
Vidant Medical Center
New Orleans, LA, USA

Concurrent Oral Abstract Sessions
4:30 pm – 6:00 pm
Addressing Re-Emerging Infectious Challenges to Transplantation

Room 602/603/604
Chairs: Lara Danziger-Isakov, Cincinnati Children’s Hosp Med Cntr, Cincinnati, OH, USA and Shirish Huprikar, The Mount Sinai Hospital, New York, New York, USA

4:30 pm Containment of Carbapenem-Resistant Enterobacteriaceae (CRE) Infections at a Solid Organ Transplant Centre (Abstract #288)
Alessandra Mularoni, Gennaro Martucci, Salvatore Gruttadauria, Maria Campanella, Fabio Tuzzolino, Giuseppe Arena, Antonio Arcadipane, Ugo Palazzo, Angelo Luca, Bruno Gridelli, Paolo Grossi. Palermo, Italy; Varese, Italy.

4:42 pm Risk Factors and Outcomes with Extended-Spectrum Beta-Lactamase-Producing Enterobacteriaceae Bloodstream Infections among Solid Organ Transplant Recipients (Abstract #289)
Judith Anesi, Emily Blumberg, Ebbing Lautenbach, Pranita Tamma, Kerri Thom, Kevin Alby, Warren Bilker, Jacqueline Omorogbe, Pam Tolomeo, Alissa Werzen, Koorosh Nemati, Jennifer Han. Philadelphia, PA; Baltimore, MD.

4:54 pm A Multi-Center Analysis of Risk Factors for Pneumocystis Pneumonia (PCP) in Solid Organ Transplant Recipients (Abstract #290)

5:06 pm Risk Factors for Invasive Fungal Infections among Lung Transplant Recipients (Abstract #291)

5:18 pm Serum Cytokines as Markers of Influenza Infection Outcomes after Transplantation (Abstract #292)
Arnaud G. L’Huillier, Victor Ferreira, Cedric Hirzel, Elisa Cordero, Ajit P. Limaye, Gail Reid, Janet Englund, Emily Blumberg, Atul Humar, Deepali Kumar. Toronto, Canada; Seville, Spain; Seattle; Chicago; Philadelphia.

5:30 pm Humoral Immune Response to Seasonal Influenza Infection in Transplant Recipients (Abstract #293)
Cedric Hirzel, V. Ferreira, A. G. L’Huillier, K. Hoschler, E. Cordero, G. Reid, J. Englund, A. P. Limaye, A. Humar, Deepali Kumar. Toronto, Canada; London, United Kingdom; Sevilla, Spain; Chicago; Seattle.

5:42 pm Brincidofovir Was Used to Successfully Treat Adenovirus Infections in Solid Organ Transplant Recipients and Other Immunocompromised Patients (Abstract #294)
Diana F. Florescu, Michael S. Grimley, Genovefa A. Papanicolaou, Vinod K. Prasad, Enrikas Vainorius, Greg Chittick, Thomas M. Brundage, Garrett Nichols. Omaha; Cincinnati; New York; Durham, NC; Durham.
Endothelial Cell Biology

**Room 615/616/617**

**Chairs:** Todd Brennan, MD, MS, Duke University Medical Center, Durham, NC, USA and Jordan Pober, MD, PhD, Yale School of Medicine, New Haven, CT, USA

- **4:30 pm** Apoptotic Exosome-Like Vesicles Induce Endothelial Cell Plasticity (Abstract #295)
  Francis Migneault, Mélanie Dieudé, Julie Turgeon, Dédorah Beillevaire, Marie-Pierre Hardy, Claude Perreault, Marie-Josée Hébert. Montreal, QC, Canada.

- **4:42 pm** Endothelial Cell Heterogeneity Governs Basal and Inducible Inflammatory Responses Relevant to Allograft Injury (Abstract #296)
  Nicole M. Valenzuela. Los Angeles, CA.

- **4:54 pm** p16<sup>INK4a</sup> Deletion in Vascular Endothelium Improves Kidney Regeneration Post Ischemia Reperfusion Injury (Abstract #297)

- **5:06 pm** Novel Function of TIE2 in Immunoregulation (Abstract #298)

- **5:18 pm** Recombinant Thrombomodulin alpha Attenuates Kidney Graft Damage after Long Cold Ischemia Time in a Rat Kidney Transplant Model (Abstract #299)
  Satoshi Tamaki, Kazunobu Shinoda, Masayuki Shimoda, Shinya Morita, Hiroshi Asanuma, Mototsugu Oya. Tokyo, Japan.

- **5:30 pm** Rapamycin Impairs Human Endothelial Cell Alloimmunogenicity Independent of PD-1/PD-1 Ligand Inhibitory Signaling (Abstract #300)
  Qimeng Gao, Victoria A. Bendersky, Allan D. Kirk, He Xu. Durham, NC.

- **5:42 pm** Dual Inhibition of PI3K and mTORC2 Causes ERK Hyperactivation Induced by HLA-II Antibody in Human Endothelium (Abstract #301)
  Yi-Ping Jin, Elaine F. Reed. Los Angeles, CA.

Innate Immunity; Chemokines, Cytokines, Complement

**Room 618/619/620**

**Chairs:** Enver Akalin, Albert Einstein College of Medicine, Montefiore Medical Ctr, Bronx, NY, USA and Alexander Kroemer, MedStar Georgetown Transplant Institute, Washington, DC, USA

- **4:30 pm** Endoplasmic Reticulum Stress Sensor IRE1α Deficiency Promotes Infiltrating Macrophage Polarization and Induces Long-Term Renal Allograft Acceptance in Mice (Abstract #302)
  Longhui Qiu, Jiao-Jing Wang, Xin Yi Yeap, Deyu Fang, Jenny Zhang. Chicago, IL.

- **4:42 pm** Targeted Donor Complement Blockade after Brain-Death Prevents Delayed Graft Function but Not Progression to Antibody-Mediated Rejection in a Non-Human Primate Model of Kidney Allo-Transplantation (Abstract #303)

- **4:54 pm** Linking Donor Ischemia Reperfusion Injury (IRI) to Costimulatory Blockade Resistant Murine Heart Graft Rejection through Complement-Initiated Necroptosis (Abstract #304)
  Rosalind L. Ang, Nicholas Chun, Adrian Ting, Peter Heeger. New York, NY.

- **5:06 pm** MERTK Mediates Transplant Tolerance via IFN-a Regulation of MDSCs and Tregs (Abstract #305)
  Lei Zhang, Mathew DeBerge, Edward Thorp, Xunrong Luo. Chicago.
5:18 pm  T-Cell Expression of C5a Receptor 2 Augments Murine Regulatory T Cell Generation and Regulatory-T-Cell-Dependent Cardiac Allograft Survival (Abstract #306)
Nicholas Chun, Divya Verghese, Markus Demir, Miguel Fribourg, Ines Llaudo, Edward Medof, Peter Heeger. NY, NY; Cleveland, OH.

5:30 pm  Identification of Human SIRPa Diversity That Could Regulate Innate Allorecognition (Abstract #307)
Andrew J. Friday, Hehua Dai, Amanda L. Williams, Martin H. Oberbarnscheidt, Jayne S. Danska, Fadi G. Lakkis. Pittsburgh, PA; Toronto, ON, Canada.

5:42 pm  Serelaxin-Notch1 Signaling Promotes Macrophage M2 Differentiation and Alleviates Hepatocellular Damage in Orthotopic Liver Transplantation: From Mouse-to-Human (Abstract #308)
Shoichi Kageyama, Kojiro Nakamura, Bibo Ke, Rebecca A. Sosa, Elaine F. Reed, Fady Kaldas, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA.

Kidney Complications: Diagnostic Considerations
Room 6C
Chairs: Nicolae Leca, MD, University of Washington, Seattle, WA, USA and Nicole Turgeon, Emory University, Atlanta, GA, USA

4:30 pm  Inflammation in Fibrotic Areas (i-IF/TA) Identifies a T Cell-Mediated Rejection Component of IF/TA with Poor Kidney Allograft Outcome (Abstract #309)
Denis Viglietti, Olivier Aubert, Jean-Paul Duong Van Huyen, Alexandre Loupy, Carmen Lefaucheux. Paris, France.

4:42 pm  Kidney Allograft Vascular Disease Post-Transplant (KTX): Risk Factors and Implications (Abstract #310)
Mireille El Ters, Lynn Cornell, Joseph Grande, Fernando Cosio. Rochester, MN.

4:54 pm  RNA-Seq Based Analysis of Renal Allograft Biopsies Reveals Key Mediators of Interstitial Fibrosis/ Tubular Atrophy (Abstract #311)
Caitriona McEvoy, Eoin Brennan, Anthony Dorman, Denise Sadlier, Ana Konvalinka, Peter Conlon, Catherine Godson. Dublin, Ireland; Toronto, Canada.

5:06 pm  Factor Analysis (FA) Identifies 5 Major Axes of Kidney Transplant Biopsy (KTxBx) Pathology (Abstract #312)
Lawrence Hunsicker, Joseph Grande, J. Michael Cecka, Arthur Matas, The DeKaf Consortium. Iowa City, IA; Rochester, MN; Los Angeles, CA; Minneapolis, MN.

5:18 pm  Effect of Acute Vascular Inflammation (v) on Death Censored Graft Failure (DCGF) Following Kidney Transplant (KTx) (Abstract #313)
Joseph Grande, Lawrence Hunsicker, Robert LeDuc, Arthur Matas, The DeKAF Consortium. Rochester, MN; Iowa City, IA; Minneapolis, MN.

5:30 pm  Factor Analysis (FA) of Renal Transplant Biopsy (KTxBx) Data Enables Objective Assessment of Risk for Subsequent Death Censored Graft Failure (DCGF) (Abstract #314)
Lawrence Hunsicker, Joseph Grande, J. Michael Cecka, Arthur Matas, The DeKaf Consortium. Iowa City, IA; Rochester, MN; Los Angeles, CA; Minneapolis, MN.

5:42 pm  Thrombotic Microangiopathy after Renal Transplantation: A Clinicopathological Study and Identification of Prognostic Factors (Abstract #315)
Kathleen Dessaix, Christophe Bontoux, Olivier Aubert, Julien Zuber, Rebecca Sberro Soussan, Véronique Frémeaux-Bacchi, Moglie Le Quintrec, Christophe Legendre, Marion Rabant. Paris, France; Montpellier, France.
Kidney Complications: Late Graft Failure

Room 6E
Chairs: Joe Lockridge, MD, OHSU, Portland, OR, USA and Amit Tevar, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

4:30 pm Identifying the Specific Causes of Kidney Allograft Loss: A Population Based Study (Abstract #316)

4:42 pm Population-Based Modeling of Prototypes and Determinants of Allograft Function Trajectories after Kidney Transplantation: Implications for Patient Monitoring and Risk Stratification (Abstract #317)

4:54 pm Validation of an Integrative and Dynamic Prognostic Score for Response to Therapy in Solid Organ Transplants (Abstract #318)

5:06 pm Improving Prediction of Post-Transplant Death and Graft Loss with Expanded Clinical Data Collection (Abstract #319)

5:18 pm Can Immunosuppression Maintenance after Renal Allograft Failure Prevent Further Sensitization? (Abstract #320)

5:30 pm Long-Term Kidney Transplant Survival after Deceased-Donor Acute Kidney Injury (Abstract #321)

5:42 pm Predictors of Graft Survival at the Time of a Kidney Transplant Indication Biopsy (Abstract #322)
Gunilla Einecke, Jeff Reeve, Philip Halloran. Hannover, Germany; Edmonton, Canada.

Kidney Immunosuppression: Desensitization

Room 4B
Chairs: Stanley Jordan, MD, Cedars Sinai Medical Ctr, West Hollywood, CA, USA and Brian Stephany, Cleveland Clinic, Cleveland, OH, USA

4:30 pm A Follow-Up Report on the Use of IVIG+Rituximab to Reduce Donor Specific Antibodies and Improve Transplant Rates in Highly-Sensitized Patients Awaiting Deceased Donor Kidney Transplantation (Abstract #323)
Reiad Najjar, Edmund Huang, Ashley Vo, Jua Choi, Kathryn Lim, Sabrina Louie, Alice Peng, Supreet Sethi, Mieko Toyoda, Xiaohai Zhang, Stanley C. Jordan. Los Angeles, CA.

4:42 pm Effects of IdeS on HLA-SAB, C1q-SAB and CDC-XM (Abstract #324)

4:54 pm modified DFPP Can Eliminate Donor-Reactive IgG Antibody with Preserving Fibrinogen before Kidney Transplantation (Abstract #325)
Daiki Iwami, Takenao Matsumoto, Kiyohiko Hotta, Minoru Ota, Yuki Chiba, Haruka Higuchi, Nobuo Shinhara. Sapporo, Hokkaido, Japan.
5:06 pm How Safe is Crossing the ABO Blood Group Barrier? A Meta-Analysis to Determine the Additive Risk of ABO-Incompatible Kidney Transplantation (Abstract #326)
Annelies E. de Weerd, Michiel G. H. Betjes. Rotterdam, Netherlands.

5:18 pm Pilot Study of Plasma Cell Niche-Targeted Therapy for Enhancement of Proteasome Inhibitor Effectiveness (Abstract #327)

5:30 pm Preformed Donor-Reactive T-Cells That Persist after ABO Desensitization Independently Predict Severe Acute Cellular Rejection after Living Donor Kidney Transplantation (Abstract #328)
Thomas Schachtner, Maik Stein, Petra Reinke. Berlin, Germany.

5:42 pm Impact of the New KAS on Transplant Rates in Highly-HLA Sensitized (HS) Patients after Desenstization (DES): 3yrs Post Implementation (Abstract #329)
Ashley Vo, Edmund Huang, Noriko Ammerman, Summer Williamson, Catherine Myers, Alice Peng, Reid Najjar, Supreet Sethi, Kathryn Lim, Stanley C. Jordan. LA, CA.

Kidney Living Donor: Long Term Outcomes

Room 6A
Chairs: Suphamai Bunnapradist, David Geffen Sch of Med @ UCLA, Los Angeles, CA, USA and Gabriel Danovitch, David Geffen School of Medicine @ UCLA, Los Angeles, CA, USA

4:30 pm Morbidity Outcomes in Live Kidney Donors in the UK: 15 Year Comparative Cohort Study (Abstract #330)
Nithya S. Krishnan, Lisa Mumford, Graham Lipkin, Simon Fletcher, Indranil Dasgupta, Paramjit Gill, Ronan Ryan, Neil Raymond. Coventry, United Kingdom; Bristol, United Kingdom; Birmingham, United Kingdom.

4:42 pm Familial Risk of End-Stage Renal Disease in Healthy Live Kidney Donors (Abstract #331)
Abimereki Muzaale, Allan Massie, Fawaz Al Ammary, Krista Lentine, Dorry Segev. Baltimore; St. Louis.

4:54 pm Mortality and ESRD in Older Live Kidney Donors with Hypertension (Abstract #332)
Fawaz Al Ammary, Xun Luo, Abimereki Muzaale, Allan Massie, Daniel Brennan, Alexander Wiseman, Jon Snyder, Dorry Segev. Baltimore; Aurora; Minneapolis.

5:06 pm Long Term Renal and Patient Risks for Living Kidney Donors (Abstract #333)
Yaerim Kim, Mi-yeon Yu, Yon Su Kim, Hajeong Lee. Seoul, Korea.

5:18 pm Pre-Donation Body Mass Index Associations with Outcomes in Living Kidney Donors: A Single Centre Experience (Abstract #334)

5:30 pm Post-Donation eGFR Levels Predicts New-Onset Antihypertensive Medication Use after Living Kidney Donation (Abstract #335)
Krista L. Lentine, Dorry L. Segev, Ngan N. Lam, Amit X. Garg, Abhijit S. Naik, David Axelrod, Huiling Xiao, Macey L. Henderson, Allan Massie, Bert L. Kasiske, Gregory P. Hess, Chi-yuan Hsu, Daniel C. Brennan, Mark A. Schnitzler. St. Louis; Baltimore; Edmonton, Canada; Ontario, Canada; Ann Arbor; Burlington; Minneapolis; Conshohocken; San Francisco.

5:42 pm Pre-Donation eGFR, Early Post-Donation eGFR, and Subsequent ESRD Risk in Living Kidney Donors (Abstract #336)
Allan Massie, Lara Fahmy, Macey Henderson, Alvin Thomas, Jon Snyder, Dorry Segev. Baltimore; Minneapolis.
AMERICAN TRANSPLANT CONGRESS
Program, Monday, June 4, 2018

Kidney: Cardiovascular and Metabolic - 2
Room 303
Chairs: Abhijit Naik, MD, MPH, FASN, University of Michigan, Ann Arbor, MI, USA and Sandra Taler, MD, Mayo Clinic, Rochester, MN, USA

4:30 pm Antihypertensive Medication Use after Kidney Transplant: Practice Variation and Clinical Outcomes (Abstract #337)

4:42 pm Prevention of New Onset Diabetes after Transplantation Using Bariatric Surgery (Abstract #338)

4:54 pm Kidney Transplantation and Progression of Peripheral Arterial Disease in the Ipsilateral Lower Extremity (Abstract #339)
Andrew C. Rasmussen, Ronald B. Moore, Trevor D. Schuler, Gerald T. Todd, Kevin Wen.

5:06 pm New Onset Diabetes after Kidney Transplant: Comparisons of Risks Associated with Various Steroid-Containing Calcineurin Inhibitor and Sirolimus Regimens (Abstract #340)
Alfonso H. Santos, Jr., Michael J. Casey, Kavitha Alquandan, Xuerong Wen, Chao Chen, Alejandra Gutierrez-Mena, Karl L. Womer.

5:18 pm A Novel Score for Predicting Mortality and Graft Failure after Kidney Transplant (Abstract #341)
Christine E. Parsons, Fadi Shamoun, Salma I. Patel, Stephen Cha, Raymond Heilman, Mira Keddis.

5:30 pm Frailty Assessment Pilot Study in Older Kidney Transplant Recipients (Abstract #342)
Basmah Abdalla, Bethany Hale-Durbin, Joanna Schaeunen, Christine Lee, Gabriel Danovitch.

5:42 pm The Effect of Perioperative Antiplatelet/Anticoagulant Therapy on the Incidence of Early Postoperative Thromboembolic Complications and Bleeding in Kidney Transplantation – A Dual Center Retrospective Cohort Study of 2000 Kidney Transplant Recipients (Abstract #343)

Kidney: Surgical Considerations
Room 210
Chairs: Ronald Parsons, MD, Emory Transplant Center, Atlanta, GA, USA and Paige Porrett, MD PhD, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

4:30 pm Robotic Assisted Live Donor Kidney Transplantation - Technique and Outcomes (Abstract #344)
Hirak Pahari, Brian M. Waldman, Joel Stracke, Lauren Malinzak, Jason Denny, Dean Kim, Wooju Jeong, Mani Menon, Atsushi Yoshida.

4:42 pm Vesicoureteral Reflux after Kidney Transplantation Influences Long-Term Graft Survival (Abstract #345)
Takayuki Hirose, Kiyohiko Hotta, Nobuyuki Fukuzawa, Akihiko Mitsuke, Hiroshi Harada.

4:54 pm Robotic Kidney Transplantation in Obese Recipients: The New Standard? (Abstract #346)
Ivo Tzvetanov, Caterina Di Bella, Kiara Tulla, Mario Spaggiari, Federico Gheza, Pierpaoilo Di Cocco, Jose' Oberholzer, Enrico Benedetti.

Monday, June 4
5:06 pm Impact of the Differences between Body Mass Index of Recipient and Donor in a Population of Robotic Kidney Transplant (Abstract #347)
Kiara Tulla, Ivo Tzvetanov, Caterina Di Bella, Federico Gheza, Mario Spaggiari, Jose’ Oberholzer, Enrico Benedetti. Chicago, IL; Virginia, VA.

4:42 pm Accepting a DCD Liver May Improve Patient Survival Compared to Waiting for a Non-DCD Liver (Abstract #352)
Andrew Wey, N. Salkowski, J. Lake, W. R. Kim, B. Kasiske, A. Israni, Jon Snyder. Minneapolis; Palo Alto.

4:54 pm A Novel Dropout Risk Score in Hepatocellular Carcinoma (HCC) Patients Listed for Liver Transplant (LT) – Identifying a Threshold That Predicts Worse Post-LT Survival in Short Wait Regions (Abstract #353)
N. Mehta, J. Dodge, F. Y. Yao. San Francisco.

5:06 pm Health and Economic Disparities in Waitlist Access and Liver Distribution Policy (Abstract #354)

5:18 pm Estimation of Mortality on the Wait List (Abstract #355)
Sumeet Asrani, Linda Jennings, James Trotter, Goran Klintmalm. Dallas, TX.

5:30 pm Deceased Pediatric Donor Livers: How Current Policy Drives Allocation and Transplantation (Abstract #356)
Evelyn Hsu, Jin Ge, John Bucuvalas, Jennifer C. Lai. San Francisco, CA; Seattle, WA; Cincinnati, OH.

5:42 pm Development and Validation of FLF-Transplant Score to Predict Mortality of Status 1A Candidates (Abstract #357)
Zhiyong Guo, Binfeng Chen, Qiang Zhao, Erye Xin, Zhiheng Zhang, Linhe Wang, Xiaoshun He, Guodong Chen. Guangzhou, Guangdong, China.

5:18 pm Use of Surgically Placed Transversus Abdominis Plane (TAP) Block Catheter with Local Anesthetic Infusion in Renal Transplantation (Abstract #348)
Martin Dib, Shelly Borden, Trevor Schell, Paul Stahler, Talal Al-Qaoud, Eric Martinez, Elliot Grodstein, Anthony D’Alessandro, Jon Odorico, Luis Fernandez, Joshua Mezrich, Robert Redfield, David Foley, David Al-Adra, Dixon Kaufman. Madison, WI.

5:30 pm Novel Vascular Inflow Offers Renal Transplantation to Recipients with Severe Central and Peripheral Vascular Disease (Abstract #349)
Shennen Mao, Emmanouil Giorgakis, Adyr Moss, Timucin Taner. Rochester, MN; Phoenix, AZ.

5:42 pm Do Reconstruction Techniques for Two Renal Arteries Affect Long-Term Graft Survival after Living Donor Renal Transplantation? (Abstract #350)

Liver: MELD, Allocation and Donor Issues - 1

Room 6B
Chairs: Truman Earl, MD, University of Mississippi Medical Center, Jackson, MS, USA and Lisa Forman, MD, University of Colorado HSC, Aurora, CO, USA

4:30 pm The Predictive Power of MELD is Decreasing in the Era of Older, Sicker Patients (Abstract #351)
Liver: Pediatrics
Room 608/609
Chairs: Andre Dick, MD, MPH, University of Washington School of Medicine and Seattle Children’s Hospital, Seattle, Washington, USA and Philip Rosenthal, MD, Univ of California SF, San Francisco, CA, USA

4:30 pm Anticoagulation in Pediatric Liver Transplantation; the Pros and Cons (Abstract #358)

4:42 pm Survival Benefit of Partial Grafts in Pediatric Candidates with Acute Liver Failure Awaiting Liver Transplantation: SRTR Analysis over 26 Years (Abstract #359)

4:54 pm Frequency of Whole-Organ in Lieu of Split-Liver Transplantation over the Last Decade: Children Experienced Increased Wait Time and Death (Abstract #360)
Pamela L. Valentino, Sukru Emre, Luhang Li, Yanhong Deng, Geliang Gan, David Mulligan, Udeem D. Ekong, Manuel I. Rodriguez-Davalos. New Haven, CT; Salt Lake City, UT.

5:06 pm Geographic Disparity in Access to Deceased-Donor Liver Transplantation for Pediatric Candidates (Abstract #361)
Mary Bowring, Douglas Mogul, Dorry Segev, Sommer Gentry. Baltimore; Annapolis.

5:18 pm Outcomes of Pediatric Donor Liver Grafts for Adult Transplantation: A National Analysis (Abstract #362)
John Yerxa, Qimeng Gao, Uwe Schueermann, Robert P. Davis, Deepak S. Vikraman, Andrew S. Barbas. Durham, NC.

5:30 pm Should More Donation after Cardiac Death Livers Be Used in Pediatric Transplantation? (Abstract #363)
Christine S. Hwang, Swee L. Levea, Malcolm P. MacConmara. Dallas, TX.

5:42 pm T Cell Exhaustion Contributes to Operational Tolerance of Liver Allografts in Pediatric Liver Transplant Recipients (Abstract #364)

Non-Organ Specific: Economics, Public Policy, Allocation, Ethics - 1
Room 4C-4
Chairs: Kevin O’Connor, LifeCenter Northwest, Bellevue, WA, USA and Michael Seely, MS, CPTC, Pacific Northwest Transplant Bank, Portland, OR, USA

4:42 pm The Stunning Rise in Organ Donors Deceased from Drug Overdose (Abstract #365)
Neerja Agrawal, Salwa Rhazouani, Diego Reino, David McMichael, Clifton McClenney, Deborah Sears, Kavtar Al Khalloufi, Surafel Gebreselassie, Samer Ebaid, Mariana Berho, Xaralambos Zervos, Cedric Sheffield, Andreas Tzakis. Weston, FL; Cleveland, OH; Miami, FL.

4:54 pm The Financial Impact of the Opioid Epidemic on Kidney Transplantation Readmissions (Abstract #366)
5:06 pm Economic Evaluation of Contemporary Kidney Transplant Practice (Abstract #367)
   David Axelrod, Mark A. Schnitzler, Huiling Xiao, William Irish, Janet E. Tuttle-Newhall, Su-Hsin Chang, Bertram Kasiske, Tarek Alhamad, Krista L. Lentine. Burlington; St. Louis; Greeneville; Minneapolis.

5:18 pm Cost Effectiveness of Hepatitis C Positive Donor Kidney Transplantation for Hepatitis C Negative Recipients with Concomitant Direct-Acting Anti-Viral Therapy (Abstract #368)

5:30 pm Improved OPO Performance Drives Broader Organ Sharing in the United States (Abstract #369)
   Robert J. Carrico, Brian Shepard, David Klassen. Richmond.

5:42 pm Demographic and Geographic Differences in the Proportion of Liver Disease Deaths Captured by the Transplant Waitlist in the United States, 2011 - 2015 (Abstract #370)
   Katherine Ross, Raymond Lynch, David Goldberg, Rachel Patzer. Atlanta, GA; Philadelphia, PA.

Pancreas and Islet - 1

Room 4C-3
Chairs: Rainer Gruessner, MD, SUNY Downstate, Brooklyn, NY, USA and Robert Stratta, MD, Wake Forest School of Medicine, Winston-Salem, North Carolina, USA

4:30 pm Consequences of Being Listed at a Small Pancreas Program (Abstract #371)
   Silke Niederhaus, Michael Curry, Abigail Fox, Jonathan Fridell, Jon Odorico. Baltimore, MD; Richmond, VA; Indianapolis, IN; Madison, WI.

4:42 pm Obesity is Not Associated with Worse Outcomes for Type 2 Diabetic Simultaneous Pancreas-Kidney (SPK) Transplant Recipients (Abstract #372)

4:54 pm Major Adverse Cardiovascular Events Following Simultaneous Pancreas and Kidney Transplantation. A Study of the United Kingdom Transplant Registry (Abstract #373)
   Petros Yiannoulou, Angela Summers, Catherine Fullwood, Zia Moinuddin, Iestyn Shapey, Hussein Khambalia, Titus Augustine, Martin K. Rutter, David van Dellen. Manchester, United Kingdom.

5:06 pm Pancreas Transplant Alone (PTA) Outcome is Best in Brittle Diabetic Patients without Advanced Nephropathy (Abstract #374)
   Mark Laftavi, Angelika Gruessner, Oleh Pankewycz, Barrera Kaylene, Sharma Sidharth, Rainer Gruessner. Syracuse, NY; Brooklyn, NY.

5:18 pm Declining Number of Pancreas after Kidney Transplants Despite Significant Improvement in Outcome (Abstract #375)
   Angelika Gruessner, Mark Laftavi, Oleh Pankewycz, Rainer Gruessner. Brooklyn, NY; Syracuse, NY.

5:30 pm Pancreas Transplant in the Elderly Patient - Should It Be Done? (Abstract #376)
   Angelika Gruessner, Mark Laftavi, Oleh Pankewycz, Rainer Gruessner. Brooklyn, NY; Syracuse, NY.

5:42 pm Pancreas Graft Function >10 Years: The Cumulative US Experience (Abstract #377)
   Angelika G. Gruessner, Mark Laftavi, Oleh Pankewycz, Rainer Gruessner. Brooklyn, NY; Syracuse, NY.
Psychosocial and Treatment Adherence

**Room 310**

*Chairs: Sheila Jowsey-Gregoire, MD, Mayo Clinic, Rochester, MN, USA and Amy Waterman, PhD, UCLA, Los Angeles, CA, USA*

4:30 pm  **Cognition and Self-Management in Liver Transplant Recipients (Abstract #378)**
Dami Ko, Lisa C. Bratzke, Rebecca J. Muehrer. Nashville; Madison.

4:42 pm  **Risk Factors for Chronic Opioid Use after Liver Transplantation (Abstract #379)**

4:54 pm  **Medication Adherence: Does Where You Live Matter? (Abstract #380)**

5:06 pm  **Digital-Enabled Refills and Medication Adherence among Transplant Recipients (Abstract #381)**
Safia Boghani, Heather Kirkham, Glen Pietradoni, Nishita Hira. Deerfield, IL.

5:18 pm  **Development of an Individualized Online Shared Decision Making Tool for Kidney Transplant Candidates (Abstract #382)**

5:30 pm  **Information Needs of Adolescent Transplant Recipients Transitioning to Adult Care (Abstract #383)**
Beverly Kosmach-Park, Diana Shellmer, Christina Nguyen, George Mazariegos. Pittsburgh, PA.

5:42 pm  **Using the Explore Transplant Ontario Program to Increase Transplant Knowledge and Readiness among Patients on Maintenance Dialysis (Abstract #384)**
Dmitri Belenko, Candice Richardson, Vardaan Gupta, Tabyan Ahmed, Nathaniel Edwards, Marta Novak, John Devin Peipert, Amy Waterman, Istvan Mucsi. Toronto, ON, Canada; Los Angeles, CA.

Regulatory Issues

**Room 3AB**

*Chairs: Gwen McNatt, APRN, PhD, Northwestern Memorial Hospital, Chicago, IL, USA and Luke Preczewski, Jackson Health System, Miami, FL, USA*

4:30 pm  **Deceased Donor Initiated Kidney Transplant Exchanges and the Forgotten Incompatible Directed Donor Recipients (Abstract #385)**
Ernesto Molmenti, Christine Sardo Molmenti, Elliot Grodstein, Horacio Rilo, Lewis Teperman. Manhasset, NY.

4:42 pm  **The Ethical Turmoil of Imminent Death Donation (Abstract #386)**

4:54 pm  **Living Liver Donor Follow-Up: Fewer Than Half of Centers Meet Follow-Up Requirements in the US (Abstract #387)**
Alvin Thomas, Courtenay Holscher, Ashton Shaffer, Jacqueline Garonzik-Wang, Allan Massie, Dorry Segev, Macey Henderson. Baltimore.

5:06 pm  **Legal Status, Criminal History, and Substance Use in Listing Decisions (Abstract #388)**
Gun Ho Lee, Anji Wall, Jose Maldonado, David Magnus. Stanford, CA.

M. Decoteau, D. Stewart, A. Toll, J. Case, C. Marsh. La Jolla, CA; Richmond, VA.
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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>5:30 pm</td>
<td>Lab Turnaround Times: A Performance Improvement Project in Post Kidney/Pancreas Transplant Clinic (Abstract #390)</td>
<td>Maggie Farrell, Sonam Kapadia. Los Angeles.</td>
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<td>5:42 pm</td>
<td>Taking Your Center’s Temperature: Using a Heat Map to Target Your Transplant-Specific Education for Regulatory Compliance (Abstract #391)</td>
<td>Julie Anderson, Debra Cassidy, Derek Dubay, Patti Hart, Amy Hauser, Nicole Pilch. Charleston.</td>
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</table>
| 5:30 pm| Strategies to Promote Transplant Tolerance                                                 | Room 606/607  
Chair: Anita Chong, PhD, University of Chicago, Chicago, IL, USA and Satish Nadig, MD, DPhil, Med Univ South Carolina, Charleston, SC, USA |
| 4:30 pm| Ablation of IRF4 Induces Transplant Tolerance by Driving Intrinsic T Cell Dysfunction (Abstract #392) | Jie Wu, Hedong Zhang, Xiaomin Shi, Xiang Xiao, Yihui Fan, Jiahong Xia, Roger Sciammas, Xian C. Li, Wenhao Chen. 
Houston, TX; Wuhan, Hubei, China; New York, NY. |
| 4:42 pm| Alloreactive B Cells Acquire Cell-Intrinsic Hyporesponsiveness in Tolerant Recipients (Abstract #393) | Stella Khiew, Dharmendra Jain, James Young, Jianjun Chen, Jinghui Yang, Qiang Wang, Dengping Yin, Roger Sciammas, Anita Chong. 
Chicago, IL; Davis, CA. |
| 4:54 pm| Acquired Resistance to Transplantation Tolerance as a Result of Prior Pregnancy Requires B Cells (Abstract #394) | Ashley Suah, Stella Khiew, James Young, Dengping Yin, Qiang Wang, Marisa Alegre, Anita Chong. Chicago, IL. |
| 5:30 pm| Enhancement of Intrinsic Apoptosis via Bcl-2 Inhibition Promotes Induction of Robust Mixed Chimerism and Renal Allograft Tolerance without Myelosuppression in Nonhuman Primates (Abstract #397) | T. Oura, A. Dehnadi, I. A. Rosales, H. Sasaki, P. Cippa, R. Fehr, A. B. Cosimi, T. Kawai. Boston, MA; Zurich, Switzerland. |
| 5:42 pm| Robust Hematopoietic Mixed Chimerism and Donor-Specific Skin Allograft Tolerance after Non-Genotoxic Anti-CD117 Immunotoxin Conditioning and Donor Bone Marrow Allotransplantation (Abstract #398) | Zhanzhuo Li, Agnieszka Czechowicz, Amelia Scheck, Derrick J. Rossi, Philip M. Murphy. Bethesda; Stanford; Boston; Cambridge. |
| AST Town Hall & Reception | **5:45 pm - 7:00 pm**  
Room 2AB | **Poster Session C – Presenters in Attendance**  
**Hall 4EF**  
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 191-218. |
**AMERICAN TRANSPLANT CONGRESS**  
Day-at-a-Glance, Tuesday, June 5, 2018

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<td>7:00 am – 8:15 am</td>
<td>Sunrise Interactive</td>
<td>Expanding the Indications for Liver Transplantation</td>
<td>Room 606-607</td>
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<td>The Right Choice for the Diabetic with ESRD</td>
<td>Room 615-617</td>
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<td>Strategies to Ensure “Transplant-Readiness”: Preparing Patients for Post-Transplant Life in the Pre-Transplant Setting</td>
<td>Room 611-614</td>
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<td>7:00 am – 8:15 am</td>
<td>Sunrise Didactic</td>
<td>More than X or Y: Impact of Gender and Sex in Transplantation</td>
<td>Room 608-609</td>
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<td>The Challenges for Adolescent and Young Adult Liver Transplant Candidates and Recipients – It’s More Than Just Transition!</td>
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<td>Understanding Chronic AMR in Liver Transplants</td>
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<td>Antibiotic Use, Drug Resistance and Stewardship in Solid Organ Transplant Recipients</td>
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<td>Why Is My Patient Sick? Tell Me Quick!</td>
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<td>Tissue Engineering and Xenotransplantation</td>
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<td>Management of the Kidney Waitlist</td>
<td>Room 6E</td>
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<td>8:30 am – 9:30 am</td>
<td>Plenary Session</td>
<td>Plenary Session III</td>
<td>Room Hall 4B</td>
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<td>9:30 am – 10:00 am</td>
<td>State-of-the-Art Speaker</td>
<td>Systems Immunology in Health and Disease</td>
<td>Room Hall 4B</td>
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<tr>
<td>10:00 am – 10:45 am</td>
<td>Controversies in Transplantation - Basic</td>
<td>Is the Microbiome Really Important in Transplantation?</td>
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<td>10:00 am – 10:45 am</td>
<td>Controversies in Transplantation - Clinical</td>
<td>Weeding out Fact from Fiction in Substance Abuse: How Much is Too Much for Transplantation or Donation?</td>
<td>Room Hall 4B</td>
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<tr>
<td>11:15 am – 12:45 pm</td>
<td>Midday Interactive</td>
<td>Reproductive Health in Solid Organ Transplantation</td>
<td>Room 615-617</td>
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<tr>
<td>11:15 am – 12:45 pm</td>
<td>Midday Didactic</td>
<td>The Science of Decision Making in Organ Allocation</td>
<td>Room 6B</td>
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<td>1:00 pm – 2:15 pm</td>
<td><strong>Sponsored Satellite Symposia Located in the Sheraton Seattle Hotel</strong></td>
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<td>1:00 pm – 2:15 pm</td>
<td>Luncheon Workshops</td>
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<td>Concurrent Oral Abstract Sessions</td>
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**Liver Transplantation Versus Simultaneous Liver Kidney Transplantation: Choosing The Road Less Traveled**
Room 611-614

**Broader Sharing in Liver Transplantation: Current Proposals for Allocation and Metrics**
Room 602-604

**Damn the Torpedoes: Donors with HIV, HCV, and HBV**
Hall 4B

**Pancreas Transplantation: How I Do It?**
Room 618-620

**Bench to Bedside - Overcoming Complement in Transplant Rejection**
Room 606-607

**New Aspects of Immune Memory**
Room 6E

**The Transplant Therapeutics Consortium: Progress in Bringing New Therapies to Patients**
Room 608-609

**Efforts to Reduce Organ Discards – Summary of the NKF’s Consensus Conference**
Room 6A

**Well, Isn’t that Special: Immunosuppression Management in Special Populations**
Room 6C

**National Academy of Medicine (NAM) report on Donor Intervention Research: Summary and Future Outlook**
Room 4C-3

**Biomarkers, Immune Monitoring and Outcomes: Basic**
Room 602/603/604

**Chronic Graft Injury**
Room 606/607

**Donor Management: All Organs Excluding Kidney**
Room 3AB

**Kidney Deceased Donor Allocation - 2**
Room 6E

**Kidney Immunosuppression: General Considerations - 1**
Room 6C
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Room 4C-4

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Quality Assurance Process Improvement  
Room 2AB

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Tolerance: Clinical Studies  
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Late Breaking  
Room 3AB

6:00 pm – 7:00 pm  
Poster Session D

Presenters in Attendance  
Hall 4EF

7:30 pm – 10:30 pm  
ATC Night Out

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Museum of Flight - Offsite
AMERICAN TRANSPLANT CONGRESS
Program, Tuesday, June 5, 2018

Sunrise Interactive
7:00 am – 8:15 am

Expanding the Indications for Liver Transplantation
Room 606-607
Moderators: Yuri Genyk, MD, University of Southern California, Los Angeles, CA, USA
7:00 am  Liver Transplantation for Metastatic Colorectal Cancer
Svein Dueland, MD
Oslo University Hospital
Oslo, Norway
7:20 am  Liver Transplantation for Advanced Hepatoblastoma
John Goss, MD
Baylor College of Medicine
Houston, TX, USA
7:40 am  Liver Transplantation for Metastatic Neuroendocrine Tumors
John Renz, MD, FACS, PhD
University of Chicago Medicine
Chicago, IL, USA
8:00 am  Discussion

The Right Choice for the Diabetic with ESRD
Room 615-617
Moderators: Matthew Cooper, MD, Georgetown Transplant Institute, Washington, DC, USA and Rainer Gruussner, MD, SUNY Downstate Medical Center, Brooklyn, NY, USA
7:00 am  SPK
Joseph Scalea, MD
University of Maryland
Baltimore, MD, USA
7:30 am  Living Donor Kidney / Pancreas After Kidney
Alexander Wiseman, MD
University of Colorado
Aurora, CO, USA
8:00 am  Discussion

Strategies to Ensure “Transplant-Readiness”: Preparing Patients for Post-Transplant Life in the Pre-Transplant Setting
Room 611-614
Moderators: Beverly Hansen, LMSW, Mayo Clinic Arizona, Phoenix, AZ, USA and Nicole McCormick, DNP, MBA, APRN, NP-C, University of Colorado, Denver, CO, USA
7:00 am  Evaluating The Transplant Candidate’s Health Literacy; Best Tools for Assessment
Marina Serper, MD
University of Pennsylvania
Philadelphia, PA, USA
7:20 am  Identification and Management of Waitlisted Patients with Low Health Literacy
Rocky Tang, BS
New York-Presbyterian Hospital
New York, NY, USA
7:40 am  Optimizing Post-Transplant Education in Recipients with Low Health Literacy
Marie Chisolm-Burns, PharmD
University of Tennessee College of Pharmacy
Memphis, TN, USA
8:00 am  Discussion

Sunrise Didactic
7:00 am – 8:15 am

More than X or Y: Impact of Gender and Sex in Transplantation
Room 608-609
Moderators: Roslyn Mannon, MD, University of Alabama at Birmingham, Birmingham, AL, USA and Lorna Marson, MD, FRCS, University of Edinburgh, Edinburgh, United Kingdom
7:00 am  Gender and Sex Matter: What’s All the Fuss About Gender and Sex in Clinical and Preclinical Research?
Bethany Foster, MD
McGill University Health Centre
Montreal, QC, Canada
7:25 am  Sex Cells: What Does XX and XY Mean for Cell-Based Therapies?
Lori West, MD, DPhil, FRSC
University of Alberta
Edmonton, AB, CA

7:50 am  Efficacy of Immunosuppression and Impact of Sex
Lisa Potter, PharmD, BCPS, FCCP, FAST
University of Chicago
Chicago, IL, USA

The Challenges for Adolescent and Young Adult Liver Transplant Candidates and Recipients – It’s More Than Just Transition!
Room 4C-3
Moderators: Simon Horslen, MB, ChB, Seattle Children’s & University of Washington, Seattle, WA, USA and John Bucuvalas MD, Cincinnati Children’s Hospital & University of Cincinnati, Cincinnati, OH, USA

7:00 am  What Makes Patients Teen/Young Adult Patients Different from Adults
John Magee, MD
University of Michigan
Ann Arbor, MI, USA

7:25 am  The Surgical and Immunological Risks Teen/Young Adult Transplant and Retransplant
Jorge Reyes, MD
University of Washington
Seattle, WA, USA

7:50 am  Teen/Young Adult Patients: What to Do Before Something Stupid Happens
Nisreen Soufi, MD
University of Southern California
Los Angeles, CA, USA

Understanding Chronic AMR in Liver Transplants
Room 6C
Moderators: Michael Voigt, MD, University of Iowa, Iowa City, IA, USA and Howard Gebel, PhD, Emory University Hospital, Atlanta, GA, USA

7:00 am  Antibiotic Use and C Difficile
Aneesh Mehta, MD
Emory
Atlanta, GA, USA

7:25 am  Antibiotics use and MDROs
Gopi Patel, MD
Icahn School of Medicine at Mount Sinai
New York, NY, USA

7:50 am  Antimicrobial Stewardship vs. ID Consult
Lilian Abbo, MD
University Of Miami Miller School of Medicine
Miami, FL, USA

Why Is My Patient Sick? Tell Me Quick!
Room 4C-4
Moderators: Atul Humar, MD, MSC, Toronto General Hospital, Toronto, ON, Canada and Marian Michaels, MD, MPH, Children’s Hospital of Pittsburgh, Pittsburgh, PA, USA

7:00 am  Sepsis: How Fast Can We Get a Diagnosis?
David van Duin, MD, PhD
University of North Carolina
Chapel Hill, NC, USA

7:25 am  Nodules in The Lung: Throw Me a Line
Marisa Miceli, MD
University of Michigan
Ann Arbor, MI, USA
7:50 am  Next Generation Viral Diagnostics  
Vincent Emery, BSc, PhD  
University of Surrey  
Guildford, United Kingdom

8:00 am  Real-time vs. Delayed Recipient  
Workup?  Real-time  
Emilio Poggio, MD  
Cleveland Clinic  
Cleveland, OH, USA

Tissue Engineering and Xenotransplantation
Room 6A
Moderators:  Tatsuo Kawai, MD, PhD,  
Massachusetts General Hospital, Boston, MA, USA  
and Andrew Adams, MD, PhD, Emory University,  
Atlanta, GA, USA

7:00 am  Construction of Organs by Tissue  
Engineering  
Giuseppe Orlando, MD, PhD  
Wake Forest University  
Winston-Salem, NC, USA

7:25 am  Clinical Translation of Xenografts  
Joseph Tector, MD, PhD  
University of Alabama at Birmingham  
Birmingham, AL, USA

7:50 am  Evolving Barriers in  
Xenotransplantation Arena  
Mohamed Ezzelarab, MD  
Thomas Starzl Transplant Institute  
Pittsburgh, PA, USA

8:10 am  Discussion

Emerging Perfusion Technology: Challenges to Implementation
Room 618-620
Moderators:  David Klassen, MD, UNOS, Richmond,  
VA, USA and and Miriam Provost, Transmedics,  
Vienna, VA, USA

7:00 am  Regulatory Hurdles to Implementation:  
FDA and Industry Perspectives  
Waleed Hassanein  
Transmedics  
Vienna, VA, USA

7:25 am  New Perfusion Technology:  
Implementation Experience in the  
Europe  
Peter Friend, MD  
University of Oxford  
Oxford, United Kingdom

7:50 am  How will OPOs Adopt New Perfusion  
Technology  
Kevin Myer, MSHA  
LifeGift  
Houston, TX, USA

Management of the Kidney Waitlist
Room 6E
Moderators:  Jesse Schold, PhD, Cleveland Clinic,  
Cleveland, OH, USA and Deirdre Sawinski, MD,  
University of Pennsylvania, Philadelphia, PA, USA

7:00 am  The Impact of KAS on Waitlist  
Management  
Richard Formica, MD  
Yale University  
New Haven, CT, USA

7:25 am  Assessment of Cardiovascular Risk  
for Waitlisted Individuals  
Jagbir Gill, MD  
University of British Columbia  
West Vancouver, BC, Canada

7:50 am  Real-time vs. Delayed Recipient  
Workup?  Delayed  
John Friedewald, MD  
Northwestern University  
Chicago, IL, USA

Achieving Health Equity in Transplantation
Room 602-604
Moderators:  Richard Gilroy, MBBS, Intermountain  
Medical Center, Murray, UT, USA and Juan Carlos  
Caicedo, MD, Northwestern Medicine, Chicago, IL,  
USA

7:00 am  Gender Based Disparity in Transplant  
Access and Outcomes – Bias or  
Biology?  
Kimberly Forde, MD, MHS  
University of Pennsylvania  
Philadelphia, PA, USA

7:25 am  Pragmatic Trials in Dialysis Facilities  
to Increase Early Access to Kidney  
Transplantation  
Rachel Patzer, PhD  
Emory University  
Atlanta, GA, USA
7:50 am Developing Cultural Competency in Transplant Centers to Improve Access to Transplantation
Elisa Gordon, PhD, MPH
Northwestern University
Chicago, IL, USA

Break
8:15 am – 8:30 am

Plenary Session III
8:30 am – 9:30 am
Room Hall 4B
Chairs: Anil Chandraker and Timothy Pruett,
University of Minnesota, Minneapolis, MN, USA

8:30 am Activity Nanosensors for Early and Noninvasive Detection of Acute Organ Transplant Rejection (Abstract #399)
Quoc D. Mac, David V. Mathews, Justin A. Kahla, Claire M. Stoffers, Olivia M. Delmas, Brandon A. Holt, Andrew B. Adams, Gabriel A. Kwong. Atlanta, GA.

8:45 am CFZ533, a New Anti-CD40 mAb Demonstrates Comparable Efficacy and Better Renal Function versus Tacrolimus in De-Novo CNI-Free Kidney Transplantation (Abstract #400)

9:00 am Superior Outcomes Using Normothermic Regional Perfusion in CDCD Liver Transplantation (Abstract #401)

9:15 am Risk of ESRD in Prior Living Kidney Donors (Abstract #402)
Jennifer Wainright, Amanda Robinson, Amber Wilk, David Klassen, Wida Cherikh, Darren Stewart. Richmond, VA.

State-of-the-Art Speaker
Room Hall 4B
9:30 am – 10:00 am

Systems Immunology in Health and Disease
Mark M. Davis, PhD
Director of the Stanford Institute for Immunology, Transplantation and Infection (ITI)

Controversies in Transplantation - Basic
10:00 am – 10:45 am
Room 6E

Is the Microbiome Really Important in Transplantation?
Moderators: Robert Fairchild, PhD, Cleveland Clinic, Cleveland, OH, USA and Jonathan Bromberg, MD, PhD, University of Maryland Medical School, Baltimore, MD, USA

10:00 am PRO: Microbiome/Microbiota
Maria-Luisa Alegre, MD, PhD
University of Chicago
Chicago, IL, USA

10:10 am CON: Microbiome/Microbiota
Kenneth Newell, MD, PhD
Emory University
Atlanta, GA, USA

10:20 am PRO: Rebuttals
Maria-Luisa Alegre, MD, PhD
University of Chicago
Chicago, IL, USA

10:25 am Con: Rebuttals
Kenneth Newell, MD, PhD
Emory University
Atlanta, GA, USA

10:30 am Discussion
Controversies in Transplantation - Clinical
10:00 am – 10:45 am
Room Hall 4B

Weeding out Fact from Fiction in Substance Abuse: How Much is Too Much for Transplantation or Donation?
Moderators: Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Baltimore, MD, USA and John Renz, MD, FACS, University of Chicago, Chicago, IL, USA
10:00 am  PRO
Susan Orloff, MD, FACS, FAASLD
Oregon Health Science University
Portland, OR, USA
10:10 am  CON
Krista Lentine, MD, PhD
Saint Louis University
St. Louis, MO, USA
10:20 am  Pro: Rebuttal
Susan Orloff, MD, FACS, FAASLD
Oregon Health Science University
Portland, OR, USA
10:30 am  Con: Rebuttal
Krista Lentine, MD, PhD
Saint Louis University
St. Louis, MO, USA

Coffee Break in Exhibit Hall
10:45 am – 11:15 am
Room Hall 4EF

Midday Interactive
11:15 am – 12:45 pm

Reproductive Health in Solid Organ Transplantation
Room 615-617
Moderators: Christina Klein, MD, Piedmont Atlanta Hospital, Atlanta, GA, USA and Paige Porrett, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA
11:15 am  Pregnancy Outcomes Across Solid Organ Transplantation
Serban Constantinescu, MD, PhD
Temple University / TRPI
Philadelphia, PA, USA
11:35 am  Contraception Management in Solid Organ Transplantation: Time for Improvement
Monika Sarkar, MD
University of California San Francisco
San Francisco, CA, USA
11:55 am  When Babies Have Babies – Outcomes and Challenges for Pediatric Transplant Recipients Who Have Children
Lisa Coscia, RN, BSN, CCTC
Temple University / NTPR
Philadelphia, PA, USA
12:15 pm  Discussion

Midday Didactic
11:15 am – 12:45 pm

The Science of Decision Making in Organ Allocation
Room 6B
Moderators: Kevin Myer, MSHA, LifeGift, Houston, TX, USA and Richard Gilroy, MBBS, Intermountain Medical Center, Murray, UT, USA
11:15 am  How We Make Decisions Under Risk
Dorry Segev, MD, PhD
Johns Hopkins University
Baltimore, MD, USA
11:45 am  Where Decisions Have Impact: The Program, The Patient, The Waiting List
Sophicles Alexopoulos, MD
Vanderbilt University
Nashville, TN, USA
12:15 pm  How Decisions Can Be Optimized: Resources at Your Disposal
George Loss, MD, PhD
Ochsner Multi-Organ Transplant Center
New Orleans, LA, USA

Liver Transplantation Versus Simultaneous Liver Kidney Transplantation: Choosing The Road Less Traveled
Room 611-614
Moderators: Srinath Chinnakotla, MD, MBA, University of Minnesota Medical School, Minneapolis, MN, USA and Sumeet Asrani, Baylor, Dallas, TX, USA

11:15 am  The AKI/CKD Continuum: The Changing Toolbox to Assess Renal Function
Hassan Abraham, MD, MS
Houston Methodist Hospital
Houston, TX, USA

11:45 am  How to Avoid Futility: A Surgical Perspective On Managing Risk with SLKT
Timucin Taner, MD, PhD
Mayo Clinic College of Medicine
Rochester, MN

12:15 pm  Impact of The New SLKT Policy: Lessons Learned
Jon Snyder, PhD
Minneapolis Medical Research Foundation
Minneapolis, MN, USA

Broader Sharing in Liver Transplantation: Current Proposals for Allocation and Metrics
Room 602-604
Moderators: Seth Karp, MD, Vanderbilt University, Nashville, TN, USA and Raymond Lynch, MD, Emory University, Decatur, GA, USA

11:15 am  Current Proposals for Liver Transplant Allocation: Rationale and Implications
James Trotter, MD
Baylor University Medical Center
Dallas, TX, USA

11:45 am  Evaluating Access to A Transplant Waitlist and Impact On Demand Metrics
Raymond Lynch, MD
Emory University
Decatur, GA, USA

12:15 pm  Population-Based Metrics Versus Wait-Listed Metrics of Demand
David Goldberg, MD, MSCE
University of Pennsylvania
Philadelphia, PA, USA

Damn the Torpedoes: Donors with HIV, HCV, and HBV
Hall 4B
Moderators: Lara Danziger-Isakov, MD, MPH, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, USA and Elizabeth Verna, MD, Columbia University, New York, NY, USA

11:15 am  Donors with HIV
Elmi Muller, MD
University of Cape Town Observatory, South Africa

11:45 am  Donors with HCV
David Goldberg, MD, MSCE
University of Pennsylvania
Philadelphia, PA, USA

12:15 pm  Donors with HBV
Michele Morris, MD, FACP, FIDSA
University of Miami
Miami, FL, USA

Pancreas Transplantation: How I Do It?
Room 618-620
Moderators: Randall Sung, MD, University of Michigan, Ann Arbor, MI, USA and Carlton Young, MD, University of Alabama at Birmingham, Birmingham, AL, USA

11:15 am  Repeat Pancreas Transplantation
Jonathan Fridell, MD
Indiana University
Indianapolis, IN, USA

11:45 am  Deceased Donor Selection and Operative Techniques
Raja Kandaswamy, MD
University of Minnesota
Minneapolis, MN, USA
12:15 pm  Diagnosis and Management of Allograft Dysfunction  
Jon Odorico, MD  
University of Wisconsin  
Madison, WI, USA

**Bench to Bedside - Overcoming Complement in Transplant Rejection**

Room 606-607  
Moderators: Bryna Burrell, PhD, Immune Tolerance Network, Bethesda, MD, USA and Robert Fairchild, PhD, Cleveland Clinic, Cleveland, OH, USA

11:15 am  Basic Science  
William Baldwin, MD, PhD  
Cleveland Clinic Main Campus, Lerner Research Institute  
Cleveland, OH, USA

11:45 am  Translational Science  
Peter Heeger, MD  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA

12:15 pm  Clinical Science  
Robert Montgomery, MD, DPhil, FACS  
New York University Langone Health  
New York, NY, USA

**New Aspects of Immune Memory**

Room 6E  
Moderators: Thomas Wekerle, MD, Medical University of Vienna, Vienna, Austria and Donna Farber, PhD, Columbia University, New York, NY, USA

11:15 am  Innate Memory Cells  
Ross Kedl, PhD  
University of Colorado  
Aurora, CO, USA

11:45 am  Regulatory T Cell Memory  
Daniel Kreisel, MD, PhD  
Washington University in St. Louis  
St. Louis, MO, USA

12:15 pm  Pregnancy Induced T Cell Memory  
Anita Chong, PhD  
University of Chicago  
Chicago, IL, USA

**The Transplant Therapeutics Consortium: Progress in Bringing New Therapies to Patients**

Room 608-609  
Moderators: Ulf Meier-Kriesche, MD, FAST, Veloxis Pharmaceuticals, Cary, NC, USA and Renata Albrecht, MD, FDA, Silver Spring, MD, USA

11:15 am  Exploration of New Study Endpoints and Development of Biomarkers as Tools to Facilitate Drug Development in Transplantation  
Kenneth Newell, MD, PhD  
Emory University  
Atlanta, GA, USA

11:45 am  Considerations in Drug Safety Profiles and the Implications for Relabeling Existing Agents  
Mark Stegall, MD  
Mayo Clinic  
Rochester, MN, USA

12:15 pm  Identification and Use of Existing Datasets for the Purposes of Validating New Endpoints and Defining Safety Profiles  
Matthew Everly, PharmD  
Terasaki Research Institute  
Los Angeles, CA, USA

**Efforts to Reduce Organ Discards – Summary of the NKF’s Consensus Conference**

Room 6A  
Moderators: Stephen Pastan, MD, Emory University, Atlanta, GA, USA and Matthew Cooper, MD, Georgetown Transplant Institute, Washington, DC, USA

11:15 am  Donor Evaluation and Procurement  
Ryutaro Hirose  
University of California San Francisco  
San Francisco, CA, USA

11:45 am  Recipient Selection and Allocation  
John Friedewald, MD  
Northwestern University  
Chicago, IL, USA

12:15 pm  Education and Research Opportunities  
Jesse Schold, PhD  
Cleveland Clinic  
Cleveland, OH, USA
**Well, Isn’t that Special: Immunosuppression Management in Special Populations**

*Room 6C*

Moderators: Maryjoy Lepak, PharmD, BCPPS, Nemours Children’s Hospital, Orlando, FL, USA and E. Steve Woodle, MD, University of Cincinnati College of Medicine, Cincinnati, OH, USA

11:15 am **Can’t Get Enough: Rapid Metabolizers**
Angela Maldonado, PharmD, BCPS
Vidant Medical Center
Greenville, NC, USA

11:45 am **More than Little Adults: Immunosuppression Considerations in Pediatrics**
Jens Goebel, MD
Children’s Hospital Colorado
Aurora, CO, USA

12:15 pm **Tipping the Scales: Immunosuppression Management in High BMI Recipients**
Laura Lourenco, PharmD, BCPS
University of Chicago Medicine
Chicago, IL, USA

**National Academy of Medicine (NAM) report on Donor Intervention Research: Summary and Future Outlook**

*Room 4C-3*

Moderators: William Marks, MD, PhD, MHA, Swedish Medical Center, Seattle, WA, USA and Claus Niemann, MD, UCSF, San Francisco, CA, USA

11:15 am **Overview of NAM Report on Donor Intervention Research**
Peter Abt, MD
Hospital of the University of Pennsylvania Philadelphia, PA, USA

11:25 am **Does the UAGA Need to be Updated?**
TBD

11:40 am **Forecast for a National Donor Registry**
Greg Segal
ORGANIZE
New York, NY, USA

11:55 am **Informed Consent: Recommendations from the NAM**
Julie Kaneshiro
Department of Health & Human Services
Rockville, MD, USA

12:15 pm **National Oversight: How Can This Be Provided?**
Melissa Greenwald, MD
Health Resources and Services Administration
Silver Spring, MD, USA

12:35 pm **Discussion**

**Break**

12:45 pm – 1:00 pm

*Sponsored Satellite Symposia*
Located in the Sheraton Seattle Hotel

**Sponsored Satellite Symposia**
Located in the Sheraton Seattle Hotel

1:00 pm – 2:15 pm

Driving Innovation in Allograft Health Surveillance: Clinical Implementation of Cell-Free DNA Testing for Transplant Patients
Supported by CareDX

*Metropolitan Ballroom A/B, Level 3*

Infectious Diseases in Kidney Transplant Patients
Supported by Novartis

*Grand Ballroom A-C, Level 2*

**Luncheon Workshops (Additional Fee)**

1:00 pm – 2:15 pm

7. **Getting your Patients Out the Door – Challenges and Opportunities in the Medication Discharge Process**
Moderators: Angela Maldonado, PharmD, Vidant Medical Center, Greenville, NC, USA and Neha Patel, PharmD, Medical University of South Carolina, Mt. Pleasant, SC, USA

8. **Transplant Dermatology: It’s a New Frontier So Get on Board**
Moderators: Christina Lee Chung, MD, Drexel University, Philadelphia, PA, USA and Oscar Colegio, MD, PhD, Yale University, New Haven, CT, USA

9. **mHealth in Transplant: The Path from Potential to Reality**
Moderators: James Fleming, PharmD, Medical University of South Carolina, Charleston, SC, USA
Break
2:15 pm – 2:30 pm

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

Biomarkers, Immune Monitoring and Outcomes: Basic

Room 602/603/604
Chairs: Bryna Burrell, PhD, Immune Tolerance Network, Bethesda, Maryland, USA and Anita Chong, PhD, University of Chicago, Chicago, IL, USA

2:30 pm T Cell Exhaustion in Kidney Transplant Patients (Abstract #403)

2:42 pm Single-Cell Analysis of Graft Infiltrating T-Cells in Cardiac Allograft Vasculopathy (Abstract #404)
Marlena V. Habal, April Myung, Hanying Yan, Samhita Rao, Sijie Lin, Paolo Colombo, Charles Marboe, Susan Restaino, Arnold Han, Maryjane Farr, Emmanuel Zorn. New York, NY.

2:54 pm Donor Reactive Eomesdermin^{hi}CD8^{+} T Cells Are Significantly Upregulated Early after Transplant in Kidney Transplant Patients without Rejection (Abstract #405)
Angelica Perez-Gutierrez, Diana M. Metes, Sundaram Hariharan, Angus W. Thomson, Mohamed B. Ezzelarab. Pittsburgh, PA; Chicago, IL.

3:06 pm A Transcriptomic Signature in PBMC from Kidney Transplant Recipients at Baseline Predicts Early Acute Rejection (Abstract #406)
Weijia Zhang, Zhengzi Yi, Paolo Cravedi, Li Li, Karen L. Keung, Chengguo Wei, Madhav C. Menon, Joel Dudley, Philip J. O’Connell, Barbara Murphy. New York, NY; Sydney, Australia.

3:18 pm Allogeneic T Follicular and T Conventional Responses Assessed by Proliferation, Cytokine Production, and TCR Clonality (Abstract #407)
Camila Macedo, Masaki Yamada, Xinyan Gu, Martin Suchoroski, David Hamm, Ian M. Kaplan, Diana Metes. Pittsburgh; Seattle.

3:30 pm Pro-Inflammatory B Cells Predict Progressive Minimal Early Renal Allograft Inflammation Which is Associated with Poor Graft Outcomes (Abstract #408)

3:42 pm Molecular Assessment of Pre-Implantation Donor Biopsies: Effects of Prolonged Cold Ischemia Time and Development of Delayed Graft Function (Abstract #409)
E. Akalin, Y. Bao, V. S. Bontha, M. B. e Silva, M. Ajaimy, P. Ó Broin, V. Mas. Bronx; Charlottesville; Galway, Ireland.

Chronic Graft Injury

Room 606/607
Chairs: Martina McGrath, Brigham and Women’s Hospital, Boston, MA, USA and Anna Valujskikh, The Cleveland Clinic, Cleveland, OH, USA

2:30 pm Respiratory Viral Infections Induces Exosomes and Antibodies to Lung Self-Antigens, K\alpha1 Tubulin and Collagen V, Following Human Lung Transplantation (Abstract #410)
M. Gunasekaran, S. Bansal, M. Sharma, R. Wali, R. Hachem, A. Limaye, R. Bremner, M. Smith, T. Mohanakumar. Phoenix; St. Louis; Seattle.

2:42 pm IL-17 is Critical for Airway Epithelial Injury after Transplantation (Abstract #411)
Ruochan Zhang, Huihui Fang, Qirui Chen, Jordi Ochando, Yaozhong Ding, Jiannan Xu. Beijing, China; New York, NY.
2:54 pm  Upregulated IL-33 in Heart Transplants Modulates Local Myeloid Populations to Protect against Chronic Allograft Rejection (Abstract #412)

3:06 pm  CD40 Signaling in Proximal Tubules Regulates Fibrosis in Both Hypertension and Chronic Allograft Rejection (Abstract #413)
Vassili S. Bletsos, Joshua D. Breidenbach, Steven T. Haller, Stanislaw Stepkowski. Toledo, OH.

3:18 pm  Macrophage Depletion of RCMV-Latently Infected Allografts Ameliorates Accelerated Chronic Cardiac Rejection (Abstract #414)
Jennifer M. Burg, Nicole N. Haese, Takeshi F. Andoh, Craig N. Kreklywich, Iris Jones, Susan L. Orloff, Daniel N. Streblow. Portland, OR.

3:30 pm  IL-21 Regulates Creation of Tertiary Lymphoid Organs in Chronic Allograft Rejection (Abstract #415)
Joshua D. Breidenbach, Caitlin E. Baum, Paul Schroder, Stanislaw Stepkowski. Toledo, OH.

3:42 pm  Donor-Specific Antibody Mediates Chronic, but Not Acute, Kidney Allograft Rejection in the Absence of Natural Killer Cells (Abstract #416)
Takahumi Yagisawa, Nina Dvorina, Anna Valujskikh, William M. Baldwin 3rd, Robert L. Fairchild. Cleveland, OH.

2:30 pm  Donor Management: All Organs Excluding Kidney
Room 3AB
Chairs: Jared White, MD, University of Alabama at Birmingham, Birmingham, Alabama, USA and James Wynn, M.D., University of Mississippi Medical Center, Jackson, MS, USA

2:42 pm  Causes of Death among Deceased Donors (Abstract #418)
Melissa Skeans, David Zaun, Bertram Kasiske. Minneapolis.

2:54 pm  Donor Liver Apoptosis is Associated with Early Allograft Dysfunction and Short-Time Graft Survival after Liver Transplantation (Abstract #419)
Zhiyong Guo, Zebin Zhu, Yunhua Tang, Shanzhou Huang, Zhiheng Zhang, Xiaoshun He, Guodong Chen. Guangzhou, Guangdong, China.

3:06 pm  Unraveling the Neuroimmunological Pathways Surrounding Brain Death: Systematic Study of Clinically Relevant Serum Biomarker Changes during Donor Management from Admission to Procurement (Abstract #420)

3:18 pm  Examples of the Observer Effect in Transplantation- Unintended Consequences of Regulation and Selected Outcome Metrics (Abstract #421)
Abbas Rana, Michael Kueht, N. Thao Galvan, Ronald Cotton, Christine O'Mahony, John Goss. Houston, TX.
3:30 pm  Skeletons in the Closet? An Insight into Donor Liver Discards in the US (Abstract #422)
Karim J. Halazun, Abbas Rana, Garrett Roll, Parissa Tabrizian, Vatche Agopian, Benjamin Samstein, Robert Brown, Jean Emond. NY, NY.

3:42 pm  Trends in Liver Transplantation with Older Liver Donors in the United States (Abstract #423)
Christine Haugen, Xun Luo, Alvin Thomas, Courtenay Holscher, Jacqueline Garonzik-Wang, Mara McAdams-DeMarco, Dorry Segev. Baltimore.

Kidney Deceased Donor Allocation - 2
Room 6E
Chairs: Darla Granger, MD, St John Hospital and Medical Center, Detroit, MI, USA and Liise Kayler, Erie County Medical Center, Buffalo, NY, USA

2:30 pm  Parsing the 100% CPRA Kidney Transplant Candidates, Who Gets Transplanted? (Abstract #424)
Douglas S. Keith. Pensacola, FL.

2:42 pm  Impact of the Kidney Allocation System on Young Pediatric Recipients (Abstract #425)
William F. Parker, Lainie F. Ross, J. R. Thistlethwaite, Amy Gallo. Chicago, IL; Palo Alto, CA.

2:54 pm  Impact of KDPI and CPRA on Outcomes in Kidney Transplant Recipients (Abstract #426)

3:06 pm  Estimated Impact of the Number of Simultaneous Offers on Kidney Delay and Discard (Abstract #427)
Michal Mankowski, S. Raghavan, Courtenay Holscher, Martin Kosztowski, Dorry Segev, Sommer Gentry. Thuwal, Saudi Arabia; Baltimore; College Park; Annapolis.

3:18 pm  Multi-Organ (M-O) Prioritization of Kidneys: Time for Policy Modification (Abstract #428)
Mark Aeder, Nicole Turgeon. Cleveland, OH; Atlanta, GA.

3:30 pm  Optimizing Outcomes with a Collaborative Approach after Kidney Transplant in Hepatitis C-Positive Recipients Receiving Hepatitis C-Positive Grafts (Abstract #429)
Alexa Ray, Raymond Rubin, Thuy Ommert, Rosemary Cross, Christina Klein. Atlanta, GA.

3:42 pm  No Kidney Left Behind: Are We Maximizing Utilization of Deceased Donors with AKI? (Abstract #430)
Advaith Bongu, Ralph Quillin, Mariana Chiles, Syed A. Husain, Mario Garcia, Sumit Mohan, Lloyd E. Ratner. New York City, NY.

Kidney Immunosuppression: General Considerations - 1
Room 6C
Chairs: Isaac Hall, MD, MS, University of Utah School of Medicine, Salt Lake City, Utah, USA and Fuad Shihab, MD, University of Utah Sch of Med, Salt Lake City, UT, USA

2:30 pm  Early Steroid Withdrawal and Kidney Transplant Outcomes for Recipients with Delayed Graft Function (Abstract #431)
Sunjae Bae, Allan Massie, Xun Luo, Jacqueline Garonzik-Wang, Dorry Segev. Baltimore, MD.

2:42 pm  Impact of Rapid Discontinuation of Prednisone on Kidney Transplant Outcomes in At-Risk Subpopulations: An OPTN/SRTR Analysis (Abstract #432)
D. M. Vock, A. J. Matas. Mpls, MN.
2:54 pm  Clinical Impact of Denovo or Recurrent Donor Specific Antibodies in the First Year Post Kidney Transplant in Patients on Early Steroid Withdrawal Immunosupression Regimen (Abstract #433)
Oluwafisayo Adebiyi, Tim Taber, William Goggins, Dennis Mishler, Muhammad Yaqub, Asif Sharfuddin. Indianapolis, IN.

3:06 pm  Prevalence and Impact of CYP3A5 Genomic Variances on Clinical Outcomes among African-American Kidney Transplant Recipients (Abstract #434)
Angela Q. Maldonado, Suzanne Hudson, Lorita M. Rebello, Tomefa E. Asemra. Greenville, NC.

3:18 pm  Time in Therapeutic Range Predicts DSA Development and Acute Rejection in Kidney Recipients with High Tacrolimus Coefficient of Variation (Abstract #435)
Scott Davis, Jane Gralla, Patrick Klem, Alexander Wiseman, James Cooper. Aurora, CO.

3:30 pm  Tacrolimus Metabolism in Subjects with Potentially Absent CYP3A Activity (Abstract #436)

3:42 pm  Development of Denovo DSA after One Year Post Kidney Transplant and Clinical Outcomes in Patient on Steroid Free Immunosupression (Abstract #437)
Asif Sharfuddin, Muhammad Yaqub, Dennis Mishler, William Goggins, Tim Taber, Oluwafisayo Adebiyi. Indianapolis, IN.

Kidney Infectious - Pot-Pourri

Room 608/609
Chairs: Seyed Hosseini-Moghaddam, MD, London Health Sciences Center, London, Ontario, Canada and Christin Rogers, PharmD, BIDMC, Boston, MA, USA

2:30 pm  Natural History and Determinants of Infectious Complications after Kidney Transplantation: A Nationwide Prospective Population Based Cohort (Abstract #438)

2:42 pm  Gut Microbiota Dysbiosis is an Independent Risk Factor for Development of Urinary Tract Infections in Kidney Transplantation (Abstract #439)
John Lee, Adam Sholi, Catherine Gong, Matthew Magruder, Shady Albakry, Emmanuel Edusei, Brittany Botticelli, Darshana Dadhania, Michelle Luberktzky, Ying Taur, Lilan Ling, Eric Pamer, Manikkam Suthanthiran. NY, NY.

2:54 pm  Cell Free DNA Sequencing for Diagnosing Infections, Estimating Growth Rates, and Characterizing Antibiotic Resistomes in Urine Supernatants (Abstract #440)

3:06 pm  Proton-Pump Inhibitor Utilization is Associated with Higher Rates of Clostridium difficile Infection and Hypomagnesemia after Kidney Transplant (Abstract #441)
3:18 pm  *Pneumocystis jiroveci* Pneumonia (PJP) in Kidney and Pancreas Transplant Recipients in the Present Era of Routine Post-Transplant Prophylaxis: Risk Factors and Outcomes (Abstract #442)  
Neetika Garg, Margaret Jorgenson, Matthew Birschbach, Jillian Descourouez, Sandesh Parajuli, Brad Astor, Arjang Djamali, Didier Mandelbrot. Madison.

2:42 pm  Temporal Changes in the Characteristics and Sensitization of Kidney Paired Donation Registrants (Abstract #446)  

3:30 pm  The Etiologies and Impact of Hospitalization in Older Kidney Transplant Recipients (Abstract #443)  
Maria Aurora Posadas Salas, Rafael Rodriguez, Prince Amaechi, Vinaya Rao, David Taber. Charleston, SC.

2:54 pm  The Advantage of Utilizing ABO and HLA Compatible Pairs in Kidney Paired Donation (Abstract #447)  
Arpita Basu, Catherine Kosberg, Hasan Khamash, Martin Mai, Mikel Prieto, Carrie Schinstock. Rochester, MN; Scottsdale, AZ; Jacksonville, FL.

3:42 pm  Frailty is Predictive of Early Post-Transplant Infection in Older Renal Transplant Recipients (Abstract #444)  
Maricar Malinis, Chioma Ogbejesi, Jiajun Luo, Yawei Zhang, William Asch, Ranjit Deshpande, Shamsuddhin Akhtar. New Haven, CT; Mount Pleasant, MI.

3:06 pm  Early Considerations for Deceased Donor Chains (Abstract #448)  
A. Toll, R. Leishman, V. Casingal, M. Aeder, T. Sandholm, N. Turgeon. Richmond, VA; Charlotte, NC; Cleveland, OH; Pittsburgh, PA; Atlanta, GA.

Kidney Paired Exchange  
*Room 4B*  
*Chairs: Joseph Buell, MD, MBA, Tulane University, New Orleans, LA, USA and Matthew Levine, MD PhD, University of Pennsylvania, Philadelphia, PA, USA*

2:30 pm  The First 9 Years of KPD through the National Kidney Registry: Characteristics of Donors and Recipients Compared to National Transplant Registries (Abstract #445)  
Stuart M. Flechner, Alvin Thomas, Matthew Ronin, Jeffrey L. Veale, David B. Leeser, Sandip Kapur, John D. Piepert, Dorry Segev, Garet D. Hil, Amy D. Waterman. Cleveland, OH; Baltimore, MD; Babylon, NY; Los Angeles, CA; Greenville, NC; New York, NY.

3:18 pm  400 Kidney Paired Donor Transplants at a Single Center; The Methodist San Antonio Experience (Abstract #449)  
Adam W. Bingaman, Matthias Kapturczak, Itai Ashlagi, Cathi Murphey. San Antonio, TX; Palo Alto, CA.

2:42 pm  Temporal Changes in the Characteristics and Sensitization of Kidney Paired Donation Registrants (Abstract #446)  

3:30 pm  Early Graft Losses in National PKE Programs: Gone, but Lost Forever? (Abstract #450)  
Jennifer Verbesey, Amy Waterman, Jeffrey Veale, Stuart Flechner, Basit Javaid, Matt Ronin, Garet Hil, Cooper Matthew. Washington, DC; Los Angeles, CA; Cleveland, OH; Babylon, NY.

3:42 pm  What Deceased Donors Do KPD Candidates Accept? (Abstract #451)  
A. Toll, R. Leishman, V. Casingal, M. Aeder, T. Sandholm, N. Turgeon. Richmond, VA; Charlotte, NC; Cleveland, OH; Pittsburgh, PA; Atlanta, GA.
AMERICAN TRANSPLANT CONGRESS
Program, Tuesday, June 5, 2018

Kidney: Acute Cellular Rejection

Room 6A
Chairs: Michael Mengel, University of Alberta, Edmonton, AB, Canada and Clifford Miles, MD, University of Nebraska Medical Center, Omaha, NE, USA

2:30 pm Non-Invasive Diagnostic of Renal Allograft Rejection via Urine Metabolites Using NMR-Spectroscopy (Abstract #452)
Miriam C. Banas, Sindy Neumann, Philipp Pagel, Dominik Chittka, Volker Pfahlert, Bernhard Banas. Regensburg, Germany.

2:42 pm Unique Gene Expression Signatures in Urine Distinguish BK Virus Nephropathy from Acute Rejection in Kidney Transplant Patients with Graft Dysfunction (Abstract #453)

2:54 pm Identification of Noninvasive and Mechanistically-Informative Biomarkers Predictive of Reversal of Acute Cellular Rejection (ACR) in Kidney Allografts (Abstract #454)
Danny Luan, Joseph E. Schwartz, Ruchuang Ding, Thangamani Muthukumar, Darshana Dadhania, Manikam Suthanthiran. Ann Arbor, MI; New York City, NY.

3:06 pm Validating Molecular Microscope Readings and Estimating Agreement with Histology (Abstract #455)

3:18 pm Early Microcirculation Inflammation Associated with TCMR Leads to Poor Graft Outcomes in Kidney Transplant Recipients (KTRs) (Abstract #456)

3:30 pm Inflammation in Scarred Areas (i-IF/TA): Defining the Response to Standard Treatment of T Cell-Mediated Rejection in Kidney Recipients (Abstract #457)
Denis Viglietti, Olivier Aubert, Jean-Paul Duong Van Huyen, Alexandre Loupy, Carmen Lefaucheur. Paris, France.

3:42 pm IL-6 Inhibition with Tocilizumab to Promote Tregs and Control Renal Graft Inflammation: A Prospective Randomized Controlled Trial (Abstract #458)

Kidney: Polyoma

Room 2AB
Chairs: Hans Hirsch, MD, MSc, University of Basel / Department Biomedicine, Basel, Switzerland and Sarat Kuppachi, UIHC, Iowa City, IA, USA

2:30 pm The Risk Factors of Acute Rejection in Patients with BK Nephropathy after the Reduction of Immunosuppression (Abstract #459)
Chung Hee Baek, Hyosang Kim, Won Seok Yang, Duck Jong Han, Su-Kil Park. Seoul, Republic of Korea.

2:42 pm Medullary Tissue Sampling in Renal Allograft Biopsy is More Sensitive for Pathologic Diagnosis of PVN (Abstract #460)
2:54 pm Intragraft Gene Expression Differentiates Polyomavirus Nephropathy from T-Cell Mediated Rejection (Abstract #461)
Benjamin Adam, Siegfried Wagner, Jan Hinrich Bräsen, Verena Bröcker, Vivette D’Agati, Cinthia Drachenberg, Evan Farkash, Alton Brad Farris, Laurette Geldenhuyys, Alex Magil, Volker Nickeleit, Parmjeet Randhawa, Heinz Regele, Michael Mengel. Edmonton, Canada; Hannover, Germany; New York; College Park; Ann Arbor; Halifax, Canada; Vancouver, Canada; Chapel Hill; Pittsburgh; Vienna, Austria.

3:06 pm Diagnostic Value and Confounding Factors of Urinary Biomarkers in the Non-Invasive Screening of Renal Allograft Inflammation (Abstract #462)

3:18 pm Viral-Specific Cytotoxic T-Cell (Viral-Tc) Responses in Highly-HLA-Sensitized Patients (HS) Maintained on Tacrolimus and Everolimus Post-HLAi Kidney Transplant (Abstract #463)
Shili Ge, Maggie Chu, Artur Karasyov, Darly Lovato, Joseph Kehwaji, Ashley Vo, Jua Choi, Sabrina Louie, Stanley Jordan, Mieko Toyoda. Los Angeles, CA.

3:30 pm Comparison of Recipients with Early and Late Presenting Polyomavirus Nephropathy (PVN) with Regard to Histological Findings and Graft Survival: What is the Influence of CD4/CD8 Ratio on the Presenting Time of PVN (Abstract #464)

3:42 pm Origin and Pattern of Human Polyomaviruses Replication after Kidney Transplantation: A Prospective Study (Abstract #465)
Evaldo Favi, Serena Delbue, Caterina Colico, Pasquale Ferrante, Sonia Villani, Ilaria Perna, Noemi Mondoni, Antenore Giussani, Laura Clementoni, Piergiorgio Messa, Mariano Ferraresi. Milan, Italy.

Liver: MELD, Allocation and Donor Issues - 2
Room 6B
Chairs: Bijan Eghtesad, M.D., Cleveland Clinic Foundation, Cleveland, OH, USA and David Goldberg, University of Pennsylvania, Philadelphia, PA, USA

2:30 pm Impact of Donor Hepatectomy Time during Organ Procurement in Donation after Circulatory Death Liver Transplantation; The United Kingdom Experience (Abstract #466)
Shahid Farid, Attia Magdy, Dhakshina Vijayanand, Vivek Upasani, Sean Willis, Adam Barlow, Hidalgo Ernest, Ahmad Niaz. Leeds, United Kingdom.

2:42 pm Liver Transplant Survival Index for Recipients with High MELD Score: A Model for Post-Transplant Survival in Severely Ill Patients (Abstract #467)
Justin A. Steggerda, Matthew B. Bloom, Catherine Breeziee, Darren Malinoski, Andrew S. Klein, Irene K. Kim. Los Angeles, CA; Portland, OR.

2:54 pm Intentional Transplantation of Hepatitis C Positive Livers into Hepatitis Negative Recipients- Report of the First Case-Series in the World (Abstract #468)
Paulo N. Martins, Babak Movahedi, Aaron Ahearn, Adel Bozorgzadeh. Worcester, MA.
3:06 pm  Are Deceased Donor Characteristics Associated with Liver Graft Failure among Low MELD Patients Receiving a Liver Transplant Changing (Abstract #469)

3:18 pm  Balloon-Occluded Retrograde Transvenous Obliteration (BRTO) for the Treatment of Medically Refractory Hepatic Encephalopathy (HE) in Patients with ESLD and Significant Portal-Venous Shunting (Abstract #470)

3:30 pm  Donation after Circulatory Death Donor Liver Transplantation without Ischemic Cholangiopathy: Is It Time to Expand DCD Liver Donor Pool? (Abstract #471)
Chandrashekhar Kubal, Plamen Mihaylov, Burcin Ekser, Ariana Cabrales, Jonathan Fridell, Richard Mangus. Indianapolis; Lombardy, Italy.

3:42 pm  Liver Transplantation Using Pediatric versus Adult Donor Grafts in Adult Recipients (Abstract #472)
Yunhua Tang, Qiang Zhao, Zhiheng Zhang, Linhe Wang, Weiqiang Ju, Zebin Zhu, Shanzhou Huang, Zhiyong Guo, Xiaoshun He, Guodong Chen. Guangzhou, Guangdong, China.

Non-Organ Specific: Economics, Public Policy, Allocation, Ethics - 2

Room 4C-4
Chairs: Howard Nathan, Gift of Life Philadelphia, Philadelphia, PA, USA and Makoto Ogihara, MD, The Queens Medical Center, Honolulu, HI, USA

2:30 pm  A Calculator for Kidney Transplant Waitlist Outcomes under the New Kidney Allocation System (Abstract #473)

2:42 pm  Variation in Cost of Death and Graft Failure across All Solid Organs (Abstract #474)
Mark Schnitzler, M. Skeans, D. Axelrod, K. Lentine, Henry Randall. St. Louis, MO; Minneapolis, MN; Burlington, VT.

2:54 pm  Cost Effectiveness of Lifelong Medicare Immunosuppressant Drug Coverage for Kidney Transplant Recipients in the Current Era (Abstract #475)
Matthew Kadatz, John S. Gill, Jagbir Gill, Klarenbach Scott. Vancouver, BC, Canada; Edmonton, AB, Canada.

3:06 pm  Broader Geographic Sharing and Impact on Lung Transplant Waitlist Time and Lung Allocation Score (Abstract #476)
Wayne M. Tsuang, Marie Budev. Cleveland.

3:18 pm  Significant Alteration in Transplant Center Performance Assessment with Extended Patient Follow Up Time (Abstract #477)
Jesse Schold, David Goldfarb, Stuart Flechner, Alvin Wee, Emilio Poggio. Cleveland.

3:30 pm  Evaluating Center Performance beyond Patient and Graft Survival (Abstract #478)
Sumeet K. Asrani, Giovanna Saracino, Ranjeeta Bahrwani, Gregory McKenna, Goran Klintmalm, James Trotter. Dallas, TX.
3:42 pm  Program-Specific Survival from Listing: Variability and Association with Pretransplant and Posttransplant Metrics (Abstract #479)
Andrew Wey, N. Salkowski, B. Kasiske, A. Israni, Jon Snyder. Minneapolis.

Pancreas and Islet - 2
Room 4C-3
Chairs: Dixon Kaufman, MD, PhD, University of Wisconsin, Madison, WI, USA and Andrew Singer, MD PhD, Mayo Clinic, Phoenix, AZ, USA

2:30 pm  Pancreas Transplant Recipients with End-Stage Renal Disease Benefit from Kidney Transplantation (Abstract #480)
Yunhua Tang, Zebin Zhu, Shanzhou Huang, Zhiheng Zhang, Weiqiang Ju, Zhiyong Guo, Xiaoshun He, Guodong Chen. Guangzhou, Guangdong, China.

2:42 pm  Morphometric and Metabolic Correlates of Frailty in Pancreas Transplant Recipients (Abstract #481)
Ronald F. Parsons, Jakub Wolosyn, Raymond J. Lynch. Atlanta, GA.

2:54 pm  Outcomes of De Novo Donor Specific Antibodies in Pancreas Transplant Recipients (Abstract #482)

3:06 pm  Enteric Conversion after Bladder-Drained Pancreas Transplantation: The Wisconsin Experience (Abstract #483)

3:18 pm  A Novel Approach to Preserve Pancreatic Islet Grafts in Extrahepatic Space for Reversal of Diabetes Using Parathyroid Gland Co-Transplantation (Abstract #484)
Casey Ward, Gaetano Faleo, Gopika Nair, Quan Duh, Mathias Hebrok, Wenhan Chang, Peter Stock, Qizhi Tang. San Francisco, CA.

3:30 pm  Ten Year Follow-Up of Islet Recipients on Anti-LFA1 Therapy: Over-Immunosuppression Leads to Operational Tolerance? (Abstract #485)
James Gardner, Andrew Posselt, Steven Wisel, Umesh Mashirani, Greg Szot, Vinh Nguyen, Kristina Johnson, Joan McElroy, Qizhi Tang, Peter Stock. San Francisco, CA.

3:42 pm  Improved Long-Term Outcomes of Pancreas Transplantation: Analysis of Allograft Half-Lives and Predictive Demographic Factors (Abstract #486)
Anna M. Adamusiak, Raja Kandaswamy, Ty B. Dunn, Samy Riad, Erik B. Finger. Minneapolis, MN.

T Cell Biology
Room 618/619/620
Chairs: Roslyn Mannon, MD, Univ Alabama-Birmingham, Birmingham, AL, USA and Elaine Reed, Ph.D., University of California Los Angeles, Los Angeles, CA, USA

2:30 pm  Ablation of Both mTOR and STAT3 in T Cells Induces Heart Transplant Acceptance in Donor Skin-Sensitized Mice (Abstract #487)
Aini Xie, Wenhao Chen. Wuhan, Hubei, China; Houston, TX; New York, NY.

2:42 pm  CD4 T Cells Require Both S1PR1 and S1PR4 for Afferent Lymphatic Migration (Abstract #488)

2:54 pm  Glycogen Synthase Kinase 3 beta Regulates Liver Inflammation Activation and Resolution by Controlling AMPK Activities (Abstract #489)
Han Wang, Ming Ni, Haoming Zhou, Ling Lu, Ronald Busuttil, Jerzy Kupiec-Weglinski, Yuan Zhai. Los Angeles, CA; Nanjing, Jiangsu, China.
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<td>3:06 pm</td>
<td>Lymphatic Endothelium Requires S1PR2 for T Cell Transendothelial Migration (Abstract #490)</td>
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<td>Y. Xiong, W. Piao, C. C. Brinkman, L. Li, J. Kulinski, A. Olivera, A. Cartier, T. Hla,</td>
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<td>S. Schwab, K. L. Hippen, B. R. Blazar, Jonathan Bromberg. MD; MA; NY; MN.</td>
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<td>3:18 pm</td>
<td>Recipient IFNAR1 Signaling Supports Costimulation Independent Rejection by Promoting T Cell</td>
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<td>Activation (Abstract #491)</td>
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<td>David V. Mathews, Abheek Ghosh, Ying Dong, Karunesh Polireddy, Allison Stephenson, Cynthia</td>
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<td>Breeden, Yancun Liu, Andrew Adams. Atlanta, GA.</td>
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<td>3:30 pm</td>
<td>Lymph Node Stromal Laminins Affect Graft Survival through Regulation of CD4 T Cell</td>
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<td>Proliferation and Migration (Abstract #492)</td>
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<td>3:42 pm</td>
<td>Altered Function of Cytomegalovirus Specific T Cells in Transplant Recipients (Abstract</td>
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<td>Lauren Higdon, Jennifer Trofe-Clark, Sai Liu, Naresha Saligrama, Kenneth Margulies, Mark</td>
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<td>Davis, Jonathan Maltzman. Stanford, CA; Philadelphia, PA; Palo Alto, CA.</td>
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<td>2:50 pm</td>
<td>Frailty Assessment</td>
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<td>Mara McAdams-Demarco, PhD</td>
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<td>Transplantation in Older Adults – Part II</td>
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<td>Moderators: Lindsey Pote, PharmD, Johns Hopkins Hospital, Baltimore, MD, USA and Maricar</td>
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<td>Malinis, MD, Yale School of Medicine, New Haven, CT, USA</td>
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<td>3:10 pm</td>
<td>Induction Therapy Choices and the Risk for Infection</td>
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<td>Nicole Alvey, PharmD</td>
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<td>Rush University Medical Center</td>
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<td>3:30 pm</td>
<td>Detection and Management of Delirium</td>
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<td>John Devlin, PharmD</td>
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<td>Northeastern University and Tufts Medical Center</td>
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<td>3:50 pm</td>
<td>Post-Op Complications Common in Older Adults</td>
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<td>Nicole McCormick, DNP, MBA, APRN, NP-C</td>
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<td>University of Colorado</td>
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<td>4:00 pm</td>
<td>Coffee Break in Exhibit Hall</td>
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<td>4:00 pm – 4:30 pm</td>
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<td>Room 611-614</td>
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<td>Transplantation in Older Adults – Part I</td>
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<td>Moderators: Tracy Sparkes, PharmD, University of Maryland Medical Center, Baltimore, MD,</td>
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<td>USA and Holly Strain, RN, BSN, CCTC, University of Colorado, Aurora, CO, USA</td>
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<td>2:30 pm</td>
<td>Cognitive Screening/Management</td>
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<td>Michelle Jesse, PhD</td>
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<td>Henry Ford Health System</td>
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<td>Detroit, MI, USA</td>
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<td>4:30 pm</td>
<td>Immunobiology and The Risks for Rejection and Infection On the Older Recipient</td>
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<td>Joanna Schaenman, MD, PhD</td>
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<td>David Geffen School of Medicine at the University of California, Los Angeles, Los Angeles,</td>
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<td>4:50 pm</td>
<td>Maintenance Immunosuppression Considerations</td>
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<td>Patricia Thielke, PharmD</td>
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<td>University of Illinois</td>
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5:10 pm  Other Medication Concerns with Older Recipients  
Kristen Szempruch, PharmD, BCPS  
University of North Carolina Medical Center  
Chapel Hill, NC, USA

5:30 pm  Discussion

Pediatric Symposia
2:30 pm – 6:00 pm

Tolerance in Children and Improving Graft Longevity in Pediatric Transplantation
Room 615-617
Moderators: Dean Kim, MD, Henry Ford Health System, Detroit, MI, USA and George V. Mazariegos, MD, Children’s Hospital of Pittsburg, Pittsburg, PA, USA

2:30 pm  Clinical Tolerance Trials in Pediatric Transplantation: Where Are We in 2018  
Richard Fine, MD  
Stony Brook Medicine/Keck USC School of Medicine  
Los Angeles, CA, USA

2:55 pm  Avoiding Early Fibrosis to Ensure Long-Term Graft Survival in Pediatric Kidney Transplantation  
Philip J. O’Connell, MD, PhD  
University of Sydney at Westmead Hospital  
Westmead, Australia

3:20 pm  Improving Graft Longevity: Pediatric Liver Transplantation  
Carlos Esquivel, MD, PhD  
Stanford University  
Palo Alto, CA, USA

3:45 pm  Discussion

Coffee Break in Exhibit Hall
4:00 pm – 4:30 pm

Utilization of High Risk Donor Organs for Pediatric Transplantation
Moderators: Srinath Chinnakotla, MD, MBA, University of Minnesota Medical School, Minneapolis, MN, USA and Simon Horslen, MB, ChB, Seattle Children’s & University of Washington

4:30 pm  PRO: Utilization of High Risk Donor Organs for Pediatric Transplantation  
Timothy Pruett, MD  
University of Minnesota  
Rochester, MD, USA

4:50 pm  CON: Utilization of High Risk Donor Organs for Pediatric Transplantation  
Sharon Bartosh, MD  
University of Wisconsin  
Madison, WI, USA

5:10 pm  PRO: Rebuttals  
Timothy Pruett, MD  
University of Minnesota  
Rochester, MD, USA

5:20 pm  CON: Rebuttals  
Sharon Bartosh, MD  
University of Wisconsin  
Madison, WI, USA

5:30 pm  Utilization of High Risk Donor Organs for Pediatric Transplantation  
Panelists:  
Blanche Chavers, MD  
University of Minnesota  
Minneapolis, MN, USA

Suzanne McDiarmid, MD  
University of California Los Angeles  
Los Angeles, CA, USA

Jonathan Chen, MD  
Seattle Children’s  
Seattle, WA, USA
Concurrent Oral Abstract Sessions

4:30 pm – 6:00 pm

Biomarkers, Immune Monitoring and Outcomes: Clinical

Room 602/603/604
Chairs: Madhav Menon, Mount Sinai School of Medicine, New York, NY, USA and Minnie Sarwal, MD, FRCP, DCH, PhD, UCSF Division of Transplant Surgery, Box 0780, San Francisco, CA, USA

4:30 pm   Discovery and Validation of a Urinary Exosome mRNA Signature for the Diagnosis of Human Kidney Transplant Rejection (Abstract #494)

4:42 pm   Prospective Multicenter Validation of Human Transitional B Cell Cytokines as a Predictive Biomarker in Renal Transplantation (Abstract #495)
Aravind Cherukuri, Dominik Chittka, Akhil Sharma, Alan Salama, Ciara Magee, David Rothstein. Pittsburgh; London, United Kingdom.

4:54 pm   Shared HLA Specificities between the Blood and Transplant Donor Increases the Risk of De Novo DSA Development Following Blood Transfusion in Transplant Recipients (Abstract #496)

5:06 pm   A Novel Peripheral Blood mRNA Biomarker Predicts Subclinical Rejection and Kidney Transplant Outcomes (Abstract #497)
J. Friedewald, S. Kurian, T. Whisenant, R. Heilman, E. Poggio, C. Marsh, P. Baliga, N. Bridges, J. Charette, S. Brietigam, N. Lustento-Reodica, L. Zhao, M. Kandpal, D. Salomon, M. Abecassis. Chicago; La Jolla; Scottsdale; Cleveland; Charleston; Bethesda; Chapel Hill.

5:18 pm   Unbiased Sequencing of Urine Cell-Free DNA (cfDNA) to Evaluation Urine Virome and Associated Renal Allograft Damage (Abstract #498)

5:30 pm   Urinary C5b-9 is an Independent Predictor of Graft Failure in Renal Transplant Recipients (Abstract #499)

5:42 pm   DSA with TCMR Identifies High Risk Renal Transplant Recipients That Can Be Predicted by Proinflammatory Transitional B Cells (Abstract #500)
Cellular Therapies and to Promote Tolerance

**Room 606/607**

*Chair: Leonardo Riella, MD PhD, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA*

4:30 pm  **HO-1 Regulates SIRT1– Autophagy Pathway in Liver Transplantation: From Mouse-to-Human (Abstract #501)**

Kojiro Nakamura, Shoichi Kageyama, Shi Yue, Antony Aziz, Takahiro Ito, Damla Oncel, Bibo Ke, Rebecca A. Sosa, Elaine F. Reed, Fady M. Kaldas, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA.

4:42 pm  **Engineering Regulatory T Cells with Interleukin (IL-2) Nanogel for Improved Alloimmune Suppression (Abstract #502)**


4:54 pm  **PGE2/Beta-Catenin/XBP1 Signaling Controls Mesenchymal Stem Cell-Mediated Immune Regulation in Liver Ischemia and Reperfusion Injury (Abstract #503)**

Changyong Li, Shi Yue, Longfeng Jiang, Qiang Zhu, Doug G. Farmer, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski, Bibo Ke. Los Angeles, CA.

5:06 pm  **Ex Vivo-Expanded Human CD19+CD73−CD25−CD71+TIM-1+ B Regulatory Cells Can Prolong Allograft Survival in a Humanized Mouse Model of Skin Transplantation and ARE Dependent on TIM-1-Mediated Regulation of STAT3 Signaling (Abstract #504)**

Sushma Shankar, Jessica Stolp, Stephen C. Juvet, Joanna Hester, Kathryn J. Wood. Oxford, United Kingdom; Sydney, Australia; Toronto, Canada.

5:18 pm  **Confirmation of the Feasibility of Ex Vivo Creation of a Novel Human Multi-Chimeric Cells Therapy for Tolerance Induction in Vascularized Composite Allotransplantation (Abstract #505)**

Joanna Cwykiel, George Rafidi, Maria Siemionow. Chicago, IL.

5:30 pm  **Ex Vivo Expanded Regulatory T Cells Combined with Short-Term Costimulation Blockade Prevent Rejection of Vascularized Composite Allografts (Abstract #506)**

Byoung Chol Oh, Georg J. Furtmüller, Michael Grzelak, Linh Vuong, Marcos Iglesias, Madeline Fryer, Damon S. Cooney, W. P. Andrew Lee, Giorgio Raimondi, Gerald Brandacher. Baltimore; St. Louis.

5:42 pm  **Curative Correction of FAH Deficiency by Chimeric Stem Cells Transplantation (Abstract #507)**

Dong Jin Joo, Erek Nelson, Yi Zhang, Bruce Amiot, Sam Ho, Cheryl Lancto, Daniel F. Carlson, Luis M. Queiroz, Scott Nyberg. Rochester, MN; Seoul, Korea; Ann Arbor, MI; Saint Paul, MN; Mount Hope, WI.

Kidney Complications: Antibody & Late Outcomes

**Room 4B**

*Chairs: Douglas Norman, MD, Oregon Health & Science University, Portland, OR, USA and James Wynn, M.D., University of Mississippi Medical Center, Jackson, MS, USA*

4:30 pm  **Genome Wide Non-HLA Alloimmunity Contributes to Graft Loss after Kidney Transplantation (Abstract #508)**

Roman Reindl-Schwaighofer, Andreas Heinzl, Alexander Kainz, Kira Jelencics, Ondrej Viklicky, Georg Böhmg, Gottfried Fischer, Brendan Keating, Rainer Oberbauer. Vienna, Austria; Prague, Czech Republic; Philadelphia, PA.
4:42 pm  Presence of Donor Specific Antibodies is Associated with Accelerated Podocyte Detachment (Abstract #509)

5:42 pm  All DQ DSA May Not Be Equal: Comparing Outcomes between De Novo DQ DSA Specificities (Abstract #514)

4:54 pm  Role of C1q-Binding Donor-Specific Anti-HLA Antibodies in Premature and Accelerated Kidney Allograft Interstitial Fibrosis (Abstract #510)
Kevin Louis, Denis Viglietti, Olivier Aubert, Alexandre Loupy, Carmen Lefaucheur. Paris, France.

5:06 pm  A Low Level of De Novo DSA Sialylation is Associated with a Decreased of Allograft Survival in Non-Sensitized Kidney Transplant Recipients (Abstract #511)
Marie Bonnet, Vincent Pernin, Jean-Emmanuel Serre, Vera Georgescu, Moglie Le Quintrec, Georges Mourad, Jean-François Eliaou, Céline Rene. Montpellier, France.

5:18 pm  HLA Eplet Mismatch and Donor Specific Antibodies in Kidney Transplantation (Abstract #512)
Susan S. Wan, Sian Angel de Wilde, Brenda M. Rosales, Steven J. Chadban, Kate Wyburn. Sydney, Australia.

5:30 pm  Two Trajectories of Post-DSA eGFR after Kidney Transplant (Abstract #513)

5:06 pm  Waitlist Survival is Approaching Survival after Kidney Transplantation (Abstract #518)
Abbas Rana, Bhamidipati Murthy, Christine O’Mahony, John Goss. Houston, TX.
5:18 pm Increasing the Donor Pool for Highly Sensitized Patients with Allele Specific Antibodies: Optimizing the Virtual Crossmatch (vXM) (Abstract #519)
Aiwen Zhang, Ziad Zaky, Joseph Africa, Derek Good, Robert Bray, Howard Gebel. Cleveland; Charleston; Atlanta.

5:30 pm Outcome of Second Kidney Transplantation According to Previous Pediatric Donor Type: A Retrospective Cohort Analysis (Abstract #520)
Korntip Phonphok, Tin Duong, Sunee Panombualert, Suphamai Bunnnapradist. Los Angeles, CA.

5:42 pm Expression of the Senescence Marker P16/INK4A in Kidney Implantation Biopsies is Uniquely Associated with Poor Late Graft Function (Abstract #521)
Konrad S. Famulski, Philip F. Halloran. Edmonton, Canada.

Kidney Immunosuppression: General Considerations - 2
Room 6A
Chairs: Faris Ahmed, MD, University of Utah, Salt Lake City, UT, USA and Fuad Shihab, MD, University of Utah Sch of Med, Salt Lake City, UT, USA

4:30 pm Tacrolimus Pharmacokinetics (PK) at Low, Medium, and High Trough Levels in Patients Converted from Twice-Daily Immediate-Release Tacrolimus (TacBID) to Once-Daily Extended-Release Tacrolimus (LCPT) (Abstract #522)
Paolo Malvezzi, Suphamai Bunnnapradist, Daniel Stevens, Misbah Moten, Anna Loh, Samir Patel, Lionel Rostaing. La Tronche, France; Los Angeles, CA; Cary, NC.

4:42 pm Follow Up of Patients Treated with the IgG Endopeptidase (IdeS) for Desensitization and HLA Incompatible (HLA) Kidney Transplantation (Abstract #523)
Stanley Jordan, Jua Choi, Ed Huang, Reid Najjar, Alice Peng, Xiaohai Zhang, Sabrina Louie, Mark Haas, Supreet Sethi, Irene Kim, Ashley Vo. Los Angeles, CA.

4:54 pm Efficacy and Safety of Bleselumab in Kidney Transplant Recipients: A Phase 2, Randomized, Open-Label Study (Abstract #524)
R. Harland, G. Klintmalm, S. Jensik, H. Yang, J. Bromberg, J. Holman, M. S. Anil Kumar, V. Santos, T. J. Larson, X. Wang. Tucson; Dallas; Chicago; Harrisburg; Baltimore; Northbrook.

5:06 pm A Phase-I Clinical Trial of Donor-Derived MIC Cell Infusion for the Induction of Donor-Specific Hyporesponsiveness after Living Donor Kidney Transplantation (TOL-1 Study) (Abstract #525)

5:18 pm RNA Expression Profiling of Renal Allografts in the Cynomolgus Monkey Identifies Tolerance (Abstract #526)
Rex N. Smith, Masatoshi Matsunami, Benjamin A. Adam, Ivy A. Rosales, Tetsu Oura, Anthony B. Cosimi, Tatsuo Kawai, Michael Mengel, Robert B. Colvin. Boston, MA; Edmonton, AB, Canada.

5:30 pm B Cell Reconstitution: 36-Month Analysis of Patients Post-Alemtuzumab Induction Followed by Belatacept-Based Immunosuppression (Abstract #527)
Qimeng Gao, Aneesh K. Mehta, Antonio Guasch, Ada Ghali, Allan D. Kirk, He Xu. Durham, NC; Atlanta, GA.

5:42 pm Emergence of a Costimulation-Susceptible T Cell Repertoire Post-Alemtuzumab Induction (Abstract #528)
Qimeng Gao, Aneesh K. Mehta, Antonio Guasch, Linda Stermpora, Allan D. Kirk, He Xu. Durham, NC; Atlanta, GA.
Kidney Living Donation: Programmatic Issues

Room 6B
Chairs: Jagbir Gill, MS MPH, University of British Columbia, West Vancouver, BC, Canada and Elisa Gordon, PhD, MPH, Northwestern U Feinberg Sch of Medicine, Chicago, Illinois, USA

4:30 pm Meeting OPTN Requirements for Living Kidney Donation Follow-Up: Findings from the KDOC Study (Abstract #529)
James R. Rodrigue, Claire Sokas, Aaron Fleishman, Jesse Schold, Paul Morrissey, James Whiting, John Vella, Liise Kayler, David Katz, Jody Jones, Bruce Kaplan, Martha Pavlakis, Didier Mandelbrot. Boston; Cleveland; Providence; Portland; Buffalo; Iowa City; Scottsdale; Madison.

4:42 pm National Study of Living Donor Program Protocols, Processes, and Resources within U.S. Transplant Centers (Abstract #530)
Deonna Moore, Mary Dietrich, Peter Buerhaus, James Rodrigue, Ann Minnick. Nashville; Bozeman; Boston.

4:54 pm Center Variation in Six-Month Post-Donation Follow-Up of Obese Living Kidney Donors (Abstract #531)
Rhiannon D. Reed, Paul A. MacLennan, Brittany A. Shelton, Margaux N. Mustian, Deanna M. McWilliams, Justin Blackburn, Deirdre Sawinski, Jayme E. Locke. Birmingham, AL; Philadelphia, PA.

5:06 pm Donor Safety in Obese Patients: 1038 Consecutive Robotic Living Donor Nephrectomies (Abstract #532)
Caterina Di Bella, Mario Spaggiari, Kiara Tulla, Pierpaolo Di Cocco, Jose' Oberholzer, Ivo Tzvetanov, Enrico Benedetti. Chicago, IL; Virginia, VA.

5:18 pm Living Kidney Donation: Impact of Transplant Center Labor, Organization, and Resources (Abstract #533)
Deonna Moore, Mary Dietrich, Peter Buerhaus, James Rodrigue, Ann Minnick. Nashville; Bozeman; Boston.

5:30 pm Few Gender Differences in Attitudes and Experiences after Live Kidney Donation, with Minor Changes over Time (Abstract #534)
Jonas Wadström, Bengt von Zur-Mühlen, Shinji Yamamoto. Huddinge, Sweden; Doha, Qatar; Uppsala, Sweden.

5:42 pm The Living Donor Lost Wages Trial: Study Rationale, Protocol, and Update (Abstract #535)
James R. Rodrigue, Martha Pavlakis, Amy Evenson, Aaron Fleishman, Michaela Carroll, Didier Mandelbrot, Prabhakar Baliga, David Howard, Jesse Schold. Boston, MA; Madison, WI; Charleston, SC; Atlanta, GA; Cleveland, OH.

Kidney: Perioperative Considerations

Room 303
Chairs: Raymond Heilman, Mayo Clinic Hospital, Phoenix, AZ, USA and Jason Wellen, MD, MBA, Washington University School of Medicine, Saint Louis, MO, USA

4:30 pm Dialysis Modality, Inflammation, and Frailty in Kidney Transplant Candidates (Abstract #536)
Prakriti Shrestha, Hao Ying, Mara McAdams DeMarco, Dorry Segev. Baltimore, MD.

4:42 pm The Impact of Aorto-Iliac Calcifications on Patient and Graft Survival in Renal Transplant Recipients Using the TASC II Classification (Abstract #537)

4:54 pm Predictive Scores for Delayed Graft Function Based on Hypothermic Machine Perfusion Variables in Kidney Transplantation (Abstract #538)
Chenguang Ding, Wujun Xue, Puxun Tian, Xiaoming Ding, Xiaoming Pan, Heli Xiang, Yang Li, Xiaohui Tian, Feng Han, Qianhui Tai. Xi’an, China.
5:06 pm  Impact of Center Volume on Kidney Transplant Outcomes in Contemporary U.S. Transplant Practice (Abstract #539)
Tarek Alhamad, Fizza Abbas, Daniel C. Brennan, Andrew Malone, Jason Wellen, Rowena Delos Santos, Adeel Khan, Jieni Li, Rungwasee Rattanavich, Krista L. Lentine. St. Louis; Baltimore.

5:18 pm  Cold Pulsatile Machine Perfusion versus Static Cold Storage in Kidneys from Donation after Circulatory Death: A Multi-Centre Randomised Controlled Trial (Abstract #540)
Dominic M. Summers, Lucy V. Randle, Ann-Marie O’Sullivan, Rachel J. Johnson, Dave Collett, Magdy Attia, Niaz Ahmad, Marc Clancy, Murat Akyol, Afshin Tavakoli, Neville Jamieson, Andrew Bradley, Christopher J. Watson. Cambridge, United Kingdom; Bristol, United Kingdom; Leeds, United Kingdom; Glasgow, United Kingdom; Edinburgh, United Kingdom; Manchester, United Kingdom.

5:30 pm  Enhancing Coordination across Healthcare Settings through a Web-Based Transplant Referral Exchange (T-REX) Platform (Abstract #541)

5:42 pm  Rituximab Interference in B-Cell Crossmatch: A Problem Solved (Abstract #542)
Paolo Malvezzi, Ornella Senoussi, Thomas Jouve, Celine De Palma, Lionel Rostaing, Beatrice Bardy, Dominique Masson. Grenoble, France.

Liver: Hepatocellular Carcinoma and Other Malignancies

Room 6C
Chairs: C. Kristian Enestvedt, Oregon Health & Science University, Portland, OR, USA and John Lake, MD, University of Minnesota, Minneapolis, Minnesota, USA

4:30 pm  Liver Transplantation for Patients with Hepatocellular Carcinoma Presenting beyond Milan Criteria: Analysis of 789 Patients from the US Multicenter HCC Transplant Consortium (Abstract #543)
Vatche G. Agopian, United States Multicenter HCC Transplant Consortium. LA.

4:42 pm  Improving Prognostication amongst Patients Undergoing Liver Transplantation for Hepatocellular Carcinoma: An International, 16-Center Study to Validate and Recalibrate HALTHCC (Abstract #544)
D. J. Firl, K. Sasaki, S. Kimura, W. Dumronggittigule, A. Gorgen, J. Lerut, M. Rossi, U. Cillo, A. Viveiros, E. Tsochatzis, G. Otto, G. M. Ettorre, G. Tisone, M. Vivarelli, S. Agnes, J. F. Markmann, T. Ikegami, T. Kaido, G. Sapisochin, V. G. Agopian, Q. Lai, Federico Aucejo. Cleveland; Boston; LA; Toronto, Canada; Louvain, Belgium; Rome, Italy; Padua, Italy; Innsbruck, Austria; London, United Kingdom; Mainz, Germany; Torrette Ancona, Italy; Kyoto, Japan; Kyushu, Japan.

4:54 pm  Influence of Initial Tumor Burden and Wait Times on Post-Transplant Outcomes after Down-Staging of Hepatocellular Carcinoma (HCC) (Abstract #545)
Neil Mehta, Jennifer Dodge, Francis Y. Yao. San Francisco.

5:06 pm  HLA-DR4 Matching and Hepatocellular Carcinoma Recurrence after Liver Transplantation (Abstract #546)
Min Xu, Sandra Garcia-Aroz, Neeta Vachhrajani, Yiling Lin, William C. Chapman. St. Louis, MO.
5:18 pm Long-Term Risk of Solid Organ De Novo Malignancies after Liver Transplantation: A French National Study on 11226 Patients (Abstract #547)
Olivier Seree, Mario Altieri, Jérome Dumortier, GReF2. Herouville St-Clair, France; Caen, France; Lyon, France.

5:30 pm Post-Transplant Outcomes under the New HCC Exception Policy (Abstract #548)
Tanveen Ishaque, Allan Massie, Christine Haugen, Dorry Segev. Baltimore, MD.

5:42 pm Financial Burden of Liver Transplant vs Resection for HCC (Abstract #549)
James Butler, Nicholas Skill, Chandrashekhar Kubal, Daniel O’Brien, Joshua Kays, Jonathan Fridell, Mary Maluccio. Indianapolis, IN.

4:30 pm Split/Reduced Liver Grafts in Adult Liver Transplantation, No Longer a Risk for Graft Loss (Abstract #550)
Kazunari Sasaki, Daniel Firl, John McVey, Giuseppe Iuppa, Masato Fujiki, Teresa Diago Uso, Federico Aucejo, Bijan Eghtesad, Cristiano Quintini, Charles Miller, Koji Hashimoto. Cleveland, OH.

4:42 pm Long-Term Medical, Financial, Psychosocial, and Overall Health-Related Quality of Life after Living Donation in Liver Transplantation (Abstract #551)

4:54 pm The Feasibility of Laparoscopic Living Donor Right Hepatectomy Compared to Open Surgery Including 100 Laparoscopic Cases (Abstract #552)

5:06 pm LDLT for High MELD Recipients: A Single Center Experience (Abstract #553)
Swaytha Ganesh, Michele Molinari, Tevar Amit, Hughes Christopher, Huma Abhinav. Pittsburgh, PA.

5:18 pm Living Donor Liver Transplantation for Alcoholic Liver Disease: Data from the A2ALL Study (Abstract #554)

5:30 pm Effect of HLA Antibodies on Graft Survival in Adult Live Donor Liver Transplantation (Abstract #555)

5:42 pm Short- and Long-Term Outcomes of Interventional Radiology Treatment for Vascular Complications Following Living Donor Liver Transplantation: The Efficacy of Stent Placement (Abstract #556)
New Approaches to Target Regulatory T Cells

Room 618/619/620

Chairs: Ulf Beier, Children’s Hospital of Philadelphia, Philadelphia, PA, USA and Qizhi Tang, PhD, University of California SF, San Francisco, CA, USA

4:30 pm Interferon-b Promotes Regulatory T Cell (Treg) Induction and Prolongs Allograft Survival (Abstract #557)

4:42 pm A 3C Approach Drives Epigenetic Fixation of Foxp3 Expression and Stabilizes Treg Cell Lineage and Therapeutic Function (Abstract #558)
Xiang Xiao, Xiaolong Zhang, Junhui Li, Shuqiu Chen, Peixiang Lan, Yaling Dou, Wenhao Chen, Xian C. Li. Houston, TX.

4:54 pm Lymphotoxin Beta Receptor Modulation in Lymphatic Endothelial Cells Alters Regulatory T Cell Dynamics (Abstract #559)
Vikas Saxena, Wenji Piao, Yanbao Xiong, Lushen Li, Chelsea Wagner, Jonathan S. Bromberg. Baltimore, MD.

5:06 pm Mechanisms of DEPTOR Function in CD4+ T Cell Subsets (Abstract #560)

5:18 pm OX40 Costimulation Prevents Induction of Foxp3+ Tregs through Upregulation of Novel Repressors of Foxp3 Gene Expression (Abstract #561)
Xiaolong Zhang, Xiang Xiao, Peixiang Lan, Junhui Li, Yaling Dou, Wenhao Chen, Naoto Ishii, Shuqiu Chen, Elizabeth Taparowsky, Xian C. Li. Houston, TX; Sendai, Japan; Lafayette, IN; New York, NY.

5:30 pm TORC1 Inhibition Protects Activated Human Regulatory T Cells from Self-Inflicted Damage via Granzyme B (Abstract #562)

5:42 pm In-Vivo Visualization of Regulatory B Cells Reveals Ag-Dependent T Cell Interactions That Suppress Subsequent T Cell:DC Interactions (Abstract #563)

New Frontiers in HIV and Hepatitis

Room 4C-3

Chairs: Michael Ison, MD MS, Northwestern University, Chicago, IL, USA and Christine Koval, MD, Cleveland Clinic Foundation, Cleveland, OH, USA

4:30 pm HIV, HBV, and HCV Screening with NAT and Serology in the OPO Setting (Abstract #564)
Nicole M. Theodoropoulos, Michael G. Ison. Worcester, MA; Chicago, IL.

4:42 pm Donor Derived Transmissions in 2016-2017: Analysis of the OPTN Ad Hoc Disease Transmission Advisory Committee (DTAC) (Abstract #565)
Cameron Wolfe, Susan Tlusty, Gabriel Vece, Remzi Bag, Gerald Berry, Jamie Bucio, Lara Danziger-Isakov, Diana Florescu, David Goldberg, Chak-Sum Ho, Ricardo La Hoz, Kathleen Lilly, Maricar Malinis, Aneesh Mehta, Michael Nalesnik, Robert Sawyer, Lynne Strasfeld, Patrick Wood, Nicole Theodoropoulos, Marian Michaels. Richmond, VA.

4:54 pm Waitlist Outcomes and Access to Liver Transplantation for HIV+ Candidates (Abstract #566)
Ashton A. Shaffer, Alvin G. Thomas, Allan Massie, Sally Gustafson, Jon Snyder, Brittany Shelton, Rhiannon Reed, Jayme Locke, Dorry Segev, Christine Durand. Baltimore; Minneapolis; Birmingham.
5:06 pm  Outcomes after HIV+ Liver Transplant: A HOPE in Action Study (Abstract #567)
C. Durand, M. Bowring, A. Tobian, D. Brown, A. Cameron, S. Ottman, K. Oshima, D. Ostrander, A. Redd, S. Huprikar, B. Haydel, S. Lerner, S. Florman, S. Chandran, A. Chao, V. Kirchner, T. Pruett, A. Massie, D. Segev. Baltimore; New York; Bethesda; San Francisco; Minneapolis.

5:18 pm  Heart and Lung Transplantation Outcomes in HIV-Positive Recipients (Abstract #568)
Christine E. Koval, Maricar Malinis, Nicolas Mueller, Jill Krisl, Margaret Hannan, Paolo Grossi, Shirish Huprikar. Cleveland, OH; New Haven, CT; Zurich, Switzerland; Houston, TX; Dublin, Ireland; Varese, Italy; New York, NY.

5:30 pm  HCV Ab+/NAT- Organ Donors, and the Challenges of 'Eclipse Windows': Analysis of the OPTN/UNOS Ad Hoc Disease Transmission Advisory Committee (DTAC) (Abstract #569)
Cameron Wolfe, Susan Tlusty, Gabriel Vece, Robert Sawyer, Remzi Bag, Gerald Berry, Jamie Bucio, Lara Danziger-Isakov, David Goldberg, Chak-Sum Ho, Diana Florescu, David Klassen, Ricardo La Hoz, Kathleen Lilly, Aneesh Mehta, Maricar Malinis, Michael Nalesnik, Nicole Theodoropoulos, Patrick Wood, Marian Michaels. Richmond, VA.

5:42 pm  Antiviral Therapy for Donor-Derived Hepatitis C Virus Infection after Solid Organ Transplantation (Abstract #570)

Non-Organ Specific: Economics, Public Policy, Allocation, Ethics - 3

Room 4C-4
Chairs: Christopher Marsh, MD, FACS, Scripps Green Hospital, La Jolla, CA, USA and Erin Maynard, MD, Oregon Health and Science University, Portland, OR, USA

4:30 pm  Medical Crowdfunding for Organ Transplant Patients (Abstract #571)
Wesley M. Durand, Jillian L. Peters, Adam E. M. Eltorai, Saisanjana Kalagara, Adena J. Osband, Alan H. Daniels. Providence, RI.

4:42 pm  As Clear as Mud: Volatility of the Five-Tier Quality Assessment of Kidney Transplant Centers in the United States (Abstract #572)
Jesse Schold, Kenneth Andreoni, Anil Chandraker, Robert Gaston, Jayme Locke, Amit Mathur, Timothy Pruett, Abbas Rana, Lloyd Ratner, Laura Buccini. Cleveland; Gainesville; Boston; Birmingham; Phoenix; Minneapolis; Houston; New York.

4:54 pm  Positive Relationship between Transplant Center Volume and Utilization of Hard to Place Liver Allografts after Late Declines (Abstract #573)

5:06 pm  Cost Impacts of Alternative Kidney Transplant Immunosuppression: A National Cohort Study (Abstract #574)
Krista L. Lentine, David Axelrod, Vikas R. Dhamidharka, Huiling Xiao, Daniel C. Brennan, Dorry L. Segev, Henry Randall, Rosemary Ouseph, Abhijit S. Naik, Ngan N. Lam, Tarek Alhamad, Bert L. Kasiske, Greg P. Hess, Mark A. Schnitzler. St. Louis; Burlington; Baltimore; Ann Arbor; Edmonton, Canada; Minneapolis; Conshohocken.
<table>
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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Authors</th>
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<tr>
<td>5:30 pm</td>
<td>Liver Transplantation Outcomes after Share 35: Analysis of NASH Recipients from UNOS Database (Abstract #576)</td>
<td>Yefei Zhang, Maha Boktour. Houston, TX.</td>
<td></td>
</tr>
<tr>
<td>5:42 pm</td>
<td>The Cost Savings of Preemptive Kidney Transplantation (Abstract #577)</td>
<td>Patrick G. Dean, Herbert C. Heien, Kristi M. Swanson, Bijan J. Borah, Lindsey R. Sangaralingham, James M. Naessens, Mark D. Stegall. Rochester, MN; Rochester, MD.</td>
<td></td>
</tr>
<tr>
<td>5:06 pm</td>
<td>Reducing No-Show Rate and Filling Cancelled Appointments: Multi-Faceted Interventions Markedly Reduced Time to Kidney Transplant Evaluation (Abstract #581)</td>
<td>Eric M. Gibney, Katie Payne, Christopher Fowler. Atlanta, GA.</td>
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<tr>
<td>5:30 pm</td>
<td>Impact of Ambulatory Transplant Pharmacy Services on Outcomes and Readmissions in Adult Abdominal Transplant Recipients (Abstract #583)</td>
<td>K. Joyal, C. Rogers, M. Cote, M. Pavlakis, A. Evenson, V. Patwardhan, K. Richards. Boston, MA.</td>
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<tr>
<td>5:42 pm</td>
<td>Medication Reconciliation in Abdominal Transplantation (Abstract #584)</td>
<td>Sarah Todd, Jennie Perryman, Ram Subramanian, Anisha Patel, Michael Hawthorne, Rommel Buenvenida, Kristal Lee, Wanda Allison, Denise Lo, Preeti Reshamwala. Atlanta, GA.</td>
<td></td>
</tr>
<tr>
<td>4:30 pm</td>
<td>Improving the Organ Donation Referral Process through Telemedicine (Abstract #578)</td>
<td>Matt Groveman, Michael Perry, Iris Berman, Natalie Benavides, Amy L. Friedman. NY; New Hyde Park.</td>
<td></td>
</tr>
<tr>
<td>4:42 pm</td>
<td>Hospital Readmissions Following ABO-Incompatible Live Donor Kidney Transplantation: A National Study (Abstract #579)</td>
<td>Babak Orandi, Xun Luo, Sunjae Bae, Elizabeth King, Jacqueline Garonzik-Wang, Dorry Segev. San Francisco; Baltimore.</td>
<td></td>
</tr>
<tr>
<td>4:54 pm</td>
<td>Using the SRTR Expected Survival Worksheet to Estimate Expected Number of Events (Abstract #580)</td>
<td>Jon A. Gregg, Karl Womer, Kenneth Andreoni. Gainesville, FL.</td>
<td></td>
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</tbody>
</table>
4:42 pm Long-Term Follow-Up of a Phase 2 Clinical Trial to Induce Tolerance in Living Donor Renal Transplant Recipients (Abstract #586)

4:54 pm PD-L1 May Serve as a Biomarker for Chimerism-Induced Tolerance in Kidney Transplant Recipients (Abstract #587)
Andrea Merchak, Ahmed Khalil, Anita Chhabra, Joseph Leventhal, Suzanne Ildstad. Louisville, KY; Chicago, IL.

5:06 pm Non-Myeloablative Conditioning with Low-Dose Total Body Irradiation in Place of Cyclophosphamide Induces Mixed Chimerism and Long-Term Immunosuppression Free Allograft Survival without Acute Kidney Injury in HLA Mismatched Kidney Transplantation (Abstract #588)

5:18 pm Immunity and Tolerance after Bilateral Orthotopic Lung Transplant (BOLT) in Tandem with a CD3+/CD19+ Depleted Vertebral Bone Marrow Transplant (BOLT+BMT) from 1 of 8 HLA-Matched Cadaveric Donors (Abstract #589)

5:30 pm Long Term Histologic Allograft Health is Preserved Despite Rejection during Protocolized Immunosuppression Withdrawal (ISW) in Stable Pediatric Liver Transplant Recipients (Abstract #590)
V. Venkat, J. Bucuvalas, M. Martinez, K. Spain, G. Mazariogos, A. J. Demetris, S. Feng. Pittsburgh; Cincinnati; NY; Chapel Hill; San Francisco.

5:42 pm Development of Post-Transplant DSA Following Immunosuppression Minimization/Withdrawal in Liver Transplant Recipients (Abstract #591)
Vadim Jucaud, Abraham Shaked, Michele DesMarais, Peter Sayre, Matthew J. Everly. Los Angeles; Philadelphia, PA; Seattle, WA.

Late Breaking

Room 3AB
Chairs: Maryl Johnson, MD, University of Wisconsin, Madison, WI, USA and Susan Orloff, Oregon Health & Science University, Portland, Oregon, USA

4:30 pm The Results of the PRISM (Prediction of Rejection In Sensitized Patient Blood SaMpes) Trial with a Novel Bioassay (Abstract #598)
Flavio Vincenti, Andrew Schroeder, Szu-Chuan Hseih, Juliane Liberto, Parhom Towfighi, Crystal Koh, Tara Sigdel, Minnie Sarwal. San Francisco.

4:42 pm Early Results from USHER: A Pilot Trial of Transplanting HCV-Infected Hearts into HCV-Negative Recipients Followed by Anti-Viral Therapy (Abstract #599)

4:54 pm Interim Results of the kSORT in the SAILOR Randomized Multicenter Trial (Abstract #600)
5:06 pm  T cell Phenotypes Predict Infectious Risk in Transplanted Children (Abstract #601)
Eileen T. Chambers, Robert Ettenger, Hui-Jie Lee, Ciburn Chan, Linda Stempora, Barry Warshaw, Paul Grimm, Elaine F. Reed, Minnie Sarwal, Allan Kirk. Durham; Los Angeles; Atlanta; Palo Alto; San Francisco.

5:18 pm  Superior Renal Function with CNI-Free Everolimus over Standard CNI-Based Regimen: 18 Months Data from the Randomized, Multi-Center MANDELA Trial in De Novo Heart Transplant Recipients (Abstract #602)
Markus J. Barten, Stephan W. Hirt, Jens Garbade, Christoph Bara, Andreas Doesch, Christoph Knosalla, Carola Grinninger, Joerg Stypmann, Christian Sieder, Martina Junge, Uwe Schulz. , Germany; Pharma, Germany.

5:30 pm  Offspring Living Kidney Donors Should Not Be Ruled Out (Abstract #603)
Xun Luo, Allan Massie, Courtenay Holscher, Dorry Segev. Baltimore.

5:42 pm  Results of LITMUS (NCT 02541916): The Liver Immune Tolerance Bio Marker Utilization Study (Abstract #604)
Andrzej Chruscinski, Vanessa Rojas-Luengas, Assaf Issacher, Jane Luo, Handy Yowanto, Nazia Selzner, Leslie Lilly, Robert Smith, Eberhard Renner, Jianhua Zhang, David Grant, Oyedele Adeyi, Harold Atkins, Peter Juni, Gary Levy. Toronto, ON, Canada; Ottawa, ON, Canada; Brea, CA.

Poster Session D – Presenters in Attendance

Hall 4EF
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 219-242.

ATC Night Out
7:30 pm – 10:30 pm

Museum of Flight - Offsite
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<td>7:00 am – 8:15 am</td>
<td>Sunrise Interactive</td>
<td>Room 611-614</td>
<td>118</td>
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<td>Ethical and Unique Issues for Women in Solid Organ Transplant</td>
<td>Room 611-614</td>
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<tr>
<td>Difficult Cases in Intestinal Transplantation - An Open Discussion Amongst Major Centers</td>
<td>Room 4C-3</td>
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<td>Too Sick for Liver Transplant: Practical Strategies to Manage a Cirrhotic Patient at the End-of-Life</td>
<td>Room 606-607</td>
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<td>Failure to Launch: Navigating Medication Access in the Ambulatory Setting</td>
<td>Room 602-604</td>
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<td>Marijuana Use in Waitlist Candidates: True Risks and Operationalizing Risk Management</td>
<td>Room 6B</td>
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<td>Presumed Consent</td>
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<td>Psychosocial Challenges in Pediatric Transplantation - Case Presentations</td>
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<td>Transplant Surgery Education and Accreditation: Our Generation and the Next Generation</td>
<td>Room 608-620</td>
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<td>The Role of the Microbiome and in Transplant Outcomes</td>
<td>Room 6E</td>
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<td>8:30 am – 10:00 am</td>
<td>Joint Plenary (6 Abstracts)</td>
<td>Room 608-609</td>
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<td>Emerging Areas of Transplantation: Opportunities for Basic Science</td>
<td>Room 608-609</td>
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<td>Biomarkers of Clinical Transplant Tolerance</td>
<td>Room 6C</td>
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<td>Donor Follow-up: Improving Patient Engagement and Outcomes</td>
<td>Room 6A</td>
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<tr>
<td>10:15 am – 11:30 am</td>
<td>What’s Hot, What’s New: Overview of Top Presented Abstracts</td>
<td>Room 6B</td>
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Page 122 Hall 4B
Sunrise Interactive
7:00 am – 8:15 am

**Ethical and Unique Issues for Women in Solid Organ Transplant**

**Room 611-614**

Moderators: Deirdre Sawinski, MD, University of Pennsylvania, Philadelphia, PA, USA and Christina Doligalski, PharmD, BCPS, CPP, University of North Carolina Health System, Chapel Hill, NC, USA

7:00 am  Uterus Transplantation: The Early Experience
Ana S. Iltis, PhD
Wake Forest University
Winston-Salem, NC, USA

7:20 am  Pregnancy Outcomes in Liver and Kidney Donors
Maha Mohamed, MD
University of Wisconsin
Madison, WI, USA

7:40 am  The Female Mechanical Circulatory Support Patient – Special Considerations
Elizabeth Mosele, LCSW
Herman Memorial – Houston
Houston, TX, USA

8:00 am  Discussion

**Too Sick for Liver Transplant: Practical Strategies to Manage a Cirrhotic Patient at the End-of-Life**

**Room 606-607**

Moderators: Jennifer C. Lai, MD, MBA, University of California San Francisco, San Francisco, CA, USA and Linda Sher, MD, University of Southern California, Los Angeles, CA, USA

7:00 am  Management of Symptom Burden in Cirrhotic Patients On the Waitlist
Amar Mahgoub, MD
University of Minnesota
Minneapolis, MN, USA

7:20 am  Obstacles to Integrating Palliative Care into Liver Transplantation: The Patient, The Caregiver, And The Transplant Provider (From A Transplant Hepatologist’s Perspective)
Puneeta Tandon, MD
University of Alberta

7:40 am  Strategies to Integrate Palliative Care in Liver Transplantation: From the Palliative Care Doctor’s Perspective
Yuika Goto, MD
University of California San Francisco Medical Center
San Francisco, CA, USA

8:00 am  Discussion
Failure to Launch: Navigating Medication Access in the Ambulatory Setting

Room 602-604
Moderators: Jim Thielke, PharmD, HHIO, Chicago, IL, USA and Carissa Garza, PharmD, Vanderbilt University Medical Center, Nashville, TN, USA

7:00 am The ABC’s of Immunosuppression Billing in the Ambulatory Care Setting
Lisa Potter, PharmD, BCPS, FCCP
University of Chicago Medicine
Chicago, IL, USA

7:15 am Shifting Infusions to the Ambulatory Setting – Challenges and Advantages
David Johnson, PharmD, BCPS
University of Pennsylvania Hospital System
Philadelphia, PA, USA

7:30 am Utilizing Home Infusion to Shorten Length of Stay and Prevent Readmissions
Jamie Benken, PharmD, BCPS
University of Illinois at Chicago
Chicago, IL USA

7:45 am Closed-loops vs. Outside Specialty Pharmacy Services for the Transplant Patient
Lonnie Smith, PharmD
University of Utah Health
Salt Lake City, UT, USA

8:00 am Discussion

CON: Sifting Through the Weeds – Marijuana Use Is Not Appropriate for Liver Transplant Candidates
Robert Weinrieb, MD
University of Pennsylvania
Philadelphia, PA, USA

PRO: Rebuttals
Susan Orloff, MD, FACS, FAASLD
Oregon Health Science University
Portland, OR, USA

Presumed Consent

Room 4C-4
Moderators: Devin Eckhoff, MD, University of Alabama at Birmingham, Birmingham, AL, USA and John Gill, MD, MS, University of British Columbia, Vancouver, BC, Canada

7:00 am PRO: Presumed Consent
Lainie Ross, MD, PhD
University of Chicago
Chicago, IL, USA

7:20 am CON: Presumed Consent
Alexandra Glazier, JD, MPH
New England Donor Services
Waltham, MA, USA

8:00 am Discussion

Marijuana Use in Waitlist Candidates: True Risks and Operationalizing Risk Management

Room 6B
Moderators: David Goldberg, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA and Gabriel Danovitch, MD, University of California Los Angeles, Los Angeles, CA, USA

7:00 am PRO: Marijuana Is Not the Gateway Drug – Strategies for Liver Transplant Candidates in Legalized States
Susan Orloff, MD, FACS, FAASLD
Oregon Health Science University
Portland, OR, USA

7:40 am PRO: Rebuttals
Lainie Ross, MD, PhD
University of Chicago
Chicago, IL, USA

7:50 am CON: Rebuttals
Alexandra Glazier, JD, MPH
New England Donor Services
Waltham, MA, USA

8:00 am Discussion
Psychosocial Challenges in Pediatric Transplantation - Case Presentations

Room 615-617
Moderators: Christina Nguyen, MD, Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, PA, USA and Dean Kim, MD, Henry Ford Health System, Detroit, MI, USA

7:00 am Kidney
Blanche Chavers, MD
University of Minnesota
Minneapolis, MN, USA

7:15 am Liver
Sue V. McDiarmid, MD
University of California Los Angeles
Los Angeles, CA, USA

7:30 am Heart
Jonathan N. Johnson, MD
Mayo Clinic
Rochester, MN, USA

7:45 am Lung
Samuel Goldfarb, MD
Children’s Hospital of Philadelphia
Philadelphia, PA, USA

8:00 am Discussion

Transplant Surgery Education and Accreditation: Our Generation and the Next Generation

Room 608-620
Moderators: Jon Fryer, MD, M.Sc, MHPE, Northwestern Medicine, Chicago, IL, USA and Matthew Levine, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

7:00 am History and Current Status of Transplant Surgery Fellow Education and Accreditation
Elizabeth Pomfret, MD, PhD
University of Colorado
Aurora, CO, USA

7:15 am Development of and Current Status of Type 2 CME Options for Practicing Transplant Surgeons
Michael Ishitani, MD
Mayo Clinic
Rochester, MN, USA

7:30 am The Tacc: Where are We Going in Training the Next Generation of Transplant Surgeons
Marwan Abouljoud, MD
Henry Ford Hospital
Detroit, MI, USA

7:45 am CME: Educating and Re-Certifying Ourselves
Ryutaro Hirose, MD
University of California San Francisco
San Francisco, CA, USA

8:00 am Discussion

Sunrise Didactic
7:00 am – 8:15 am

The Role of the Microbiome and in Transplant Outcomes

Room 6E
Moderators: Jasmohan Bajaj, MD, Virginia Commonwealth University and McGuire VAMC, Richmond, VA, USA and Andre Dick, MD, MPH, Seattle Children’s Hospital, Seattle, WA, USA

7:00 am Dysbiosis in Liver Transplant Candidates and Recipients: Cause or Effect?
Elizabeth Verna, MD, MS
Columbia University
New York, NY, USA

7:25 am Microbiome as A Risk Factor for Post-Transplant Metabolic Complications
Jasmohan Bajaj, MD
Virginia Commonwealth University and McGuire VAMC
Richmond, VA, USA

7:50 am Intestinal Microbiome as A Target for Prevention and Treatment of Multi-Drug Resistant Infection in Transplant Recipients
Anne-Catrin Uhlemann, MD, PhD
Columbia University
New York, NY, USA
Emerging Areas of Transplantation: Opportunities for Basic Science
Room 608-609
Moderators: Paolo Fiorina, MD, PhD, Transplant Research Center, Boston, MA, USA and Thet Su Win, MD, PhD, Brigham and Women’s Hospital, Boston, MA, USA

7:00 am Unique Features of Composite Tissue Transplant Rejection
Stefan Tullius, MD, PhD
Brigham and Women’s Hospital
Boston, MA, USA

7:25 am Challenges of Uterus Transplants - Beyond Pregnancy?
Giuliano Testa, MD, FACS, MBA
Baylor University Medical Center
Dallas, TX, USA

7:50 am Stem Cell-Derived Transplants - New Considerations
Benjamin Freedman, PhD
University of Washington
Seattle, WA, USA

Biomarkers of Clinical Transplant Tolerance
Room 6C
Moderators: Manickam Suthanthiran, MD, Weill Cornell Medical College, New York, NY, USA and Alberto Sanchez-Fueyo, King’s College, London, UK

7:00 am Molecular Biomarkers of Spontaneous Transplant Tolerance
Sophie Brouard, PhD
ITUN
Nantes, France

7:25 am Molecular Biomarkers of Induced Transplant Tolerance
Megan Sykes, MD
Columbia University
New York, NY, USA

7:50 am Phenotypic and Functional Assessment for Clinical Transplant Tolerance
James M. Mathew, PhD
Comprehensive Transplant Center-Northwestern University
Chicago, IL, USA

Donor Follow-up: Improving Patient Engagement and Outcomes
Room 6A
Moderators: Krista Lentine, MD, PhD, Saint Louis University, St. Louis, MO, USA and Diane LaPointe Rudow, DNP, ANP-BC, FAAN, Mount Sinai Hospital, New York, NY, USA

7:00 am The National Landscape of Living Kidney Donor Follow-up in the United States
Macey Henderson, PhD, JD
Johns Hopkins University
Baltimore, MD, USA

7:25 am The SRTR Living Donor Collective Pilot: A Scientific Registry of Living Donors
Bertram Kasiske, MD
The Scientific Registry of Transplant Recipients
Minneapolis, MN, USA

7:50 am International Perspectives on Living Donor Follow-up
Gustavo Ferraro, MD
Santa Casa de Misericórdia Juiz de Fora, Brazil
Juiz de Fora, Brazil

Break
8:15 am – 8:30 am

Plenary Session IV
8:30 am – 10:00 am
Room Hall 4B
Chairs: Matthew Cooper and Xian Li

8:30 am Specific Monocyte Memory to Allogeneic MHC Mediated by Paired Immunoglobulin Receptors (PIR) (Abstract #592)
Hehua Dai, Peixiang Lan, Andrew Friday, Amanda L. Williams, Martin H. Oberbarnscheidt, Xian C. Li, Fadi G. Lakkis. Pittsburgh, PA; Houston, TX.
8:45 am  Identification of Macrophage Innate Receptors in Recognition and Rejection of Allogeneic Non-Self in Transplantation (Abstract #593)
Peixiang Lan, Hehua Dai, Wentao Liu, Song Chen, Laurie Minze, Yaling Dou, Yue Zhao, Wenhao Chen, Xiang Xiao, Ping-Ying Pan, Hsu-Hsia Chen, Fadi G. Lakkis, Xian C. Li. Houston, TX; Pittsburgh, PA.

9:00 am  Role of B Cell Intrinsic NLRP3 in the Development of Chronic Rejection (Abstract #594)
Jun Nie, Bala Ramaswami, Xinfeng Guo, Rosemary Hoffman, Geetha Chalasani. Wuhan, Hubei, China; Pittsburgh, PA.

9:15 am  An Early Look at the OPTN’s New SLK Allocation Policy (Abstract #595)
Anna Kucheryavaya, Richard Formica, Nicole Turgeon, Darren Stewart, Amber Wilk. Richmond; New Haven; Atlanta.

9:30 am  Despite the Growing Impact of the American Opioid Epidemic on Organ Donation, a Small Percentage of Drug Intoxication Deaths Result in Organ Donation (Abstract #596)
Laura A. Hickman, John T. Killian, Samuel T. Windham. Birmingham, AL.

9:45 am  Everolimus with Reduced Calcineurin Inhibitor Exposure in De Novo Kidney Transplant Recipients: Efficacy and Safety Outcomes from the TRANSFORM Study (Abstract #597)

Coffee Break in Foyer
10:00 am – 10:15 am

What’s Hot, What’s New: Overview of Top Presented Abstracts
10:15 am – 11:30 am
Hall 4B
Moderators: Maryl Johnson, MD, University of Wisconsin - Madison, Madison, WI, USA and Lisa Florence, MD, Swedish Organ Transplant Program, Seattle, WA, USA

10:15 am  Basic
Robert Fairchild, PhD
Cleveland Clinic
Cleveland, OH, USA

10:45 am  Translational
Reza Abdi, MD
Brigham & Women’s Hospital
Boston, MA, USA

11:00 am  Clinical
Devin Eckhoff, MD
University of Alabama at Birmingham
Birmingham, AL, USA
Poster Session A

Poster Viewing: 5:30 pm - 7:30 pm
Presenters in Attendance: 5:30 pm - 7:30 pm
Hall 4EF

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.

Biomarkers, Immune Monitoring and Outcomes

A1 Acute Tubular and Glomerular Kidney Injury Markers Reflect Ischemia-Reperfusion and Rejection
Young Jun Shim, Ran Fan, Nina Dvorina, William Baldwin. Cleveland, OH.

A2 Longitudinal Molecular Assessment of Renal Allograft and Short-Term Outcome: Markers of Injury and Recovery

A3 Tax1bp3 is Upregulated in the Ischemia/Reperfusion Injury of Kidney
Wei Qiu, Jun Lin, Ye Tian. Beijing, China.

A4 Serial Monitoring of Resolution of Sub-Clinical Acute Rejection (subAR) in Kidney Transplant Recipients (KTR) Using a Gene Expression Profile (GEP)

A5 Non-Invasive Proteomics to Detect Biomarkers for Kidney Allograft Dysfunction
Maura Watson, Meera Srivastava, Dustin Little, Ofer Eidelman, Robert Nee, Alakesh Bera, John Karaian, David Oliver, Harvey Pollard, Rahul M. Jindal. Bethesda, MD.

A6 Intragraft MicroRNAs Foretell Fibrosis in Kidney Transplant Recipients

A7 Urine AngiotensinII Signature Proteins as Biomarkers of Fibrosis in Kidney Transplant Recipients
Zahraa Mohammed-Ali, Shelby Reid, Tomas Tokar, Alexandre Tavares, Paul Yip, Heloise Cardinal, Yanhong Li, S. Joseph Kim, Igor Jurisica, Rohan John, Ana Konvalinka. Toronto, ON, Canada; Montréal, QC, Canada.

A8 In-Situ Tissue-Based Gene Expression Profiling is a Reliable Method to Detect Gene Transcripts in Human Kidney Transplant Biopsies
Dejan Dobi, Junger Henrik, Tara Sigdel, Adeline Chen, Zoltan Laszki. San Francisco, CA.

A9 Circulating Follicular Helper T Cells (cTfh) in Renal Transplantation: Utility as Rejection Biomarker

A10 The Likelihood of Re-Transplantation in Patients Undergoing Allograft Nephrectomy
A11 The Inhibitory Effect of Plasma on Activation of Lymphocytes from Kidney Transplants is Significantly More Severe in Tacrolimus Based Regimen: What Implications for Plasma Exchange Role in Anti-Rejection Therapy? 
Alain G. Assounga, Saleha Omarjee. Durban, South Africa.

A12 Evaluation of FlowDSA Crossmatch for Detection of Donor-Specific HLA Antibodies 
Jong Mi Lee, Ji Hyung Ryu, Ae Ran Choi, Eun-Jee Oh. Seoul, Republic of Korea.

A13 Bioinformatics Approach to the Development of a Novel Molecular Biomarker for Sub-Clinical Acute Rejection (subAR) in the Peripheral Blood Following Kidney Transplant (KT) 
T. Whisenant, S. Kurian, M. Kandpal, L. Zhao, D. Ikle, B. Armstrong, J. Friedewald, R. Heilman, E. Poggio, C. Marsh, P. Baliga, N. Bridges, J. Odim, M. Brown, J. Charette, S. Brietigam, N. Sustento-Reodica, D. Salomon, M. Abecassis. La Jolla; Chicago; Chapel Hill; Scottsdale; Cleveland; Charleston; Bethesda.

A14 Elucidating Novel Signatures of Allograft Rejection through Cytometry by Time of Flight (CyTOF) in Kidney Transplant Recipients 

A15 Validation Study of Operational Tolerance Signatures in Korean Kidney Transplantation Recipients 

A16 Extended Criteria Donors Have Higher Expression of Inflammatory Genes Than Standard Donors 
Mario Abbud-Filho, Ida M. M. Fernandes-Charpriot, Maria Alice S. F. Baptista, Heloisa C. Caldas, Greiciiane M. Florim. Sao Jose do Rio Preto, Sao Paulo, Brazil.

A17 Multiple Factors Contribute to an Expanded Immune Risk Profile in Pre Renal Transplant Candidates 
David DeWolfe, Kevin McGann, Joshua Ghofrani, Emma Geiger, Catherine Helzer, Steve Kleiboeker, Stephanie Jost, Chen Tan. Boston, MA; Lee’s Summmit, MO.

A18 Primary Cytomegalovirus Infection in Seronegative Kidney Transplant Patients is Associated with Prolonged Cold Ischemic Time of Seropositive Donor Organs 
Christine S. Falk, Fabian Schlott, Katherina Katsrintaki, Dominik SteuBl, Wolfram Puppe, Cornelia Blume, Hermann Haller, Lutz Renders, Uwe Heemann, Dirk Busch, Michael Neuenhahn. Hannover, Germany; Munich, Germany; Hannover / Munich, Germany.

A19 Association of Leptin with Cystatin C in Kidney Allograft Dysfunction 
Alakesh Bera, Maura Watson, Nahbuma Gana, John Karaian, Surya Radhakrishnan, Madhan Subramanian, Dustin Little, Robert Nee, Anshul Chatterjee, Stephen Rothwell, Harvey Pollard, Rahul M. Jindal, Meera Srivastava. Bethesda, MD.

A20 IgM HLA DSAs Do Not Alter the Outcomes of Renal Allograft Rejection 

A21 Intragraft MicroRNA Transcriptome of Acute Antibody Mediated Rejection of Human Kidney Allografts 
<table>
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<th>A22</th>
<th>Clinical Significance and Therapeutic Potential of Orosomucoid 1 for Chronic Active Antibody Mediated Rejection in Kidney Transplant Recipients</th>
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<tr>
<td>Haruka Higuchi, Kiyohiko Hotta, Daiki Iwami, Jing-jing Jiang, Daisuke Kamimura, Yasunobu Arima, Toru Atsumi, Yusuke Takada, Hiroshi Harada, Masaaki Murakami, Nobuo Shinohara. Sapporo, Hokkaido, Japan.</td>
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<th>A23</th>
<th>Immune Phenotyping in a Pediatric Multicenter Transplant Study: Suitability of a Pre-Formulated Dry Antibody Panel System</th>
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<tr>
<td>Simon Urschel, Lavinia Ionescu, Tom Blydt-Hansen, Beth Foster, Seema Mital, Upton Allan, Sabine Iveson, Lorraine Hamiwnka, Jason Yap, Veronique Phan, Patricia Birk, Lori West, Megan Levings. Edmonton, Canada; Toronto, Canada; Vancouver, Canada; Calgary, Canada; Montreal, Canada; Winnipeg, Canada.</td>
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<th>Peripheral Blood Immune Response-Related Gene Analysis for Evaluating the Development of Subclinical Antibody-Mediated Rejection</th>
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<th>A25</th>
<th>DNA Methylation Age and Differential Patterns of DNA Methylation in Older Compared with Younger Kidney Transplant Recipients</th>
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<th>A26</th>
<th>Global Expression Profiles of miRNA and Expression Patterns and Localization of the miR-21 in One-Hour Biopsy Specimens of Human Kidney Tansplantation from Donors after Cardiac Death</th>
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<th>A27</th>
<th>Patients Converted to Belatacept Show Different Immunophenotyping Compared with De Novo Belatacept-Treated Patients</th>
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<th>Assessment of Immune Cell Profiles in HLA-Sensitized (HS) &amp; Non-HS Patients (Pts) with End Stage Renal Disease (ESRD)</th>
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<td>Shili Ge, Maggie Chu, Edwin Ortiz, Ashley Vo, Darly Lovato, Stanley C. Jordan, Mieko Toyoda. Los Angeles, CA.</td>
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<th>A29</th>
<th>Impact of ELAD C3A Cell Conditioned Medium Enhanced Perfusate Fluid on Functional Recovery of Extended Criteria Donor Livers during Normothermic Machine Perfusion</th>
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<td>Simon C. Afford, Laine L. Wallace, Richard Laing, Yuri Botteon, Dar He, Suganthe Soundararajan, Darius F. Mirza, Robert Ashley, John D. Brotherton, Hynek Mergenthal, David Reich. Birmingham, United Kingdom; San Diego, CA; Philadelphia.</td>
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<th>A30</th>
<th>The Use of LiMAx for Evaluating Donor Livers on Normothermic Machine Perfusion</th>
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<td>Joohyun Kim, Alicia Martin, Jennifer Yee, Lynn Fojut, Aron Geurts, Kiyoko Oshima, Michael A. Zimmerman, Johnny C. Hong. Milwaukee, WI; Baltimore, MD.</td>
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| **Poster Session A**
**Saturday, June 2**

**A33** Involvement of Aldehyde Dehydrogenase 2 (ALDH2) in Fatty Liver Graft Protection Mechanisms against Cold Ischemic Injury
Arnau Panisello-Rosello, Alexandre Lopez, Carlos Castro, Sravan Bellogi, Emma Folch-Puy, Anabela Rolo, Carlos Palmeira, René Adam, Joan Roselló-Catalafau. Barcelona, Catalonia, Spain; Paris, France; Coimbra, Portugal.

**A34** Circulating Wnt Pathway Factors Are Non-Invasive Biomarkers of Transplant Vascular Injury

**A35** Time and Perfusate Dependent Molecular Response in Ex Vivo Lung Perfusion
Peter Dromparis, Nader S. Aboelnazar, Siegfried Wagner, Sayed Himmat, Christopher W. White, Jessica G. Y. Luc, Darren H. Freed, Jayan Nagendran, Michael Mengel, Benjamin A. Adam. Edmonton, Canada.

**A36** Characterization of Exosomal DNA from Human Lung Transplant Recipients
Sandhya Bansal, Monal Sharma, Rajat Walia, Ross Bremner, Michael Smith, T. Mohanakumar. Phoenix.

**A37** Identification of Exosomal Proteins from Human Lung Transplant Recipients

**A38** Long-Term HIF-1α Stabilization is Associated with Fibrosis in Rat Lung Allografts
Kyle Freischlag, Brian Ezekian, Paul M. Schroder, Jeffery Everitt, Janghoon Yoon, Marzena Swiderska-Syn, William Parker, Anna Mae Diehl, Jean Kwon, Stuart Knechtie. Durham, NC; Charleston, SC.

**A39** Ischemia Reperfusion Injury Significantly Differs between Lung vs. Heart Transplantation with Respect to Lead Cytokines and Correlation to Clinical Outcome

**A40** Isolation and Profiling of miRNAs from Formalin Fixed Paraffin Embedded Endomyocardial Tissues from Human Heart Transplant Recipients

**A41** AT1R Antibody Analysis: High Proportion of Non-Specific Reactivity?

**A42** Non-Invasive Imaging Modalities for Immune Monitoring of Vascularized Composite Allografts Using a Translational Large Animal Model
Joanna W. Etra, Katherine E. Cilwa, Georg J. Furtmueller, Angelo Leto Barone, Keli Kolegraff, Eric Elster, W. P. Andrew Lee, Gerald Brandacher. Baltimore, MD; Silver Springs, MD; Bethesda, MD.

**A43** Stress-Related Exosomal MicroRNA Biomarkers Released by Human Islets during Transplantation
Prathab Balaji Saravanan, Phuong Nguyen, Gumpel Yoshimatsu, Charles Chang, Carly Darden, Rituparna Bhattacharjee, Xuan Wang, Jinghua Gu, Michael Lawrence, Bashoo Naziruddin. Dallas.

**A44 † Sensing T Cell Killing Activity with Granzyme B Activity Probes**
Quoc D. Mac, David V. Mathews, Justin A. Kahla, Claire M. Stoffers, Olivia M. Delmas, Brandon A. Holt, Andrew B. Adams, Gabriel A. Kwong. Atlanta, GA.
A45  The Impact of Childhood Solid Organ Transplantation on B-Cell Maturation
Lavinia Ionescu, Tom Blydt-Hansen, Bethany Foster, Seema Mital, Loraine Hamiwka, Upton Allan, Veronique Phan, Patricia Birk, Catherine Morgan, Simon Urschel. Edmonton, Canada; Vancouver, Canada; Toronto, Canada; Montreal, Canada; Calgary, Canada; Winnipeg, Canada.

A46  Brain Death Conditions Intensify Inflammation and Impair Metabolic Gene Expression

A47  Different Expression Patterns of Exosomal miRNAs under Cyclosporin A and Rapamycin Treatment in Distinct Aggressiveness Colorectal Carcinomas
Valeria Tubita, Maria José Ramírez-Bajo, Juanjo Lozano, Daniel Moya-Rull, Jordi Rovira, Josep M. Campistol, Fritz Diekmann, Ignacio Revuelta. Barcelona, Spain; Madrid, Spain.

A48  Tacrolimus Exposure in Human Proximal Tubule Cells Results in Differentially Increased CTGF Expression in Relation to Pharmacogenetic Variants of CYP3A5 and ABCB1

A49  Dynamics of CD25-Positive Myeloid Suppressor Cells in Solid Organ Transplanted Patients and Relationship with Rejection

A50  What’s Normal? An Evaluation of Pediatric T Cell Markers in Healthy Controls
Morgan J. Soxniuk, Anne Halpin, Juanita Wizniak, Artur Szkotak, Simon Urschel, Lavinia Ionescu, Lori West. Edmonton, Canada; National, Canada.

A51  A Novel Preservation Solution for Lung That Improves Cell Viability and Tissue Architecture
J. Friedman, M. Samamrco, L. Marrero, B. Bunnell, D. Spyropoulos. New Orleans; Charleston.

A52  Urinary TIMP-2 Predicts the Presence and Duration of Delayed Graft Function in DCD Kidney Transplant Recipients


A54  Association of CYP3A5*3*6*7 Metabolic Composites to Tacrolimus Pharmacokinetics in African American and Caucasian Renal Transplant Recipients
Kathleen Tornatore, Daniel Brazeau, Calvin Meaney, Kris Attwood, Gregory Wilding, Shirley Chang, Rocco Venuto. Buffalo; Portland.

A55  Absolute Quantification of Plasma Graft-Derived Cell-Free DNA for Diagnosis of Kidney Transplant Rejection
John Whitlam, Ling Ling, Francesco Ierino, Damien Bruno, Howard Slater, David Power. Heidelberg, Victoria, Australia; Parkville, Victoria, Australia; Fitzroy, Victoria, Australia.
A56  Molecular Classifiers Can Outperform the Flawed Histologic “Gold Standard” on Which They Are Trained
Jeff Reeve, Phil Halloran. Edmonton, Canada.

A57  Whole-Transcriptome Sequencing to Identify Macaque Immune Gene Variants
Amelia K. Haj, Julie A. Karl, Roger W. Wiseman, David H. O’Connor. Madison, WI.

A58  False-Positive Flow-Cytometric T Cell Crossmatch Associated with Blood Type Antigen Expressed on Lymphocytes in ABO Incompatible Kidney Transplantation
Daiki Iwami, Makoto Ito, Kiyohiko Hotta, Haruka Higuchi, Nobuo Shinohara. Sapporo, Japan.

Innate Immunity; Chemokines, Cytokines, Complement

A59  † Ex Vivo Lung Perfusion Using the Portable OCS Maintains Endothelial Integrity in the Context of Reduced Severe PGD Rates
Bettina Wiegmann, Ramon BellmasSanz, Christine Neudörfl, Christian Kühn, Igor Tudorache, Murat Avsar, Axel Haverich, Gregor Warnecke, Christine Falk. Hannover, Germany.

A60  † Rictor mTORC2 Signaling Protects Ischemic Liver Injury by Targeting Both Liver Parenchymal and Non-Parenchymal Cells

A61  † C3a Receptor Regulates the CD8 T-Cell Alloresponse via Intrinsic and Extrinsic Mechanisms
Julian Horwitz, Doug Mathern, Peter Heeger. NY, NY.

A62  † Recipient Conditioning Results in IL-33 Support of Potent Th1 Alloimmune Responses after CD4+ T Cells Upregulate ST2 during Lymphopenia Induced Proliferation
Gaelen Dwyer, L. Mathews, A. Lucas, B. Blazar, H. Turnquist. Pittsburgh, PA; Minneapolis, MN.

A63  Peptides Encoded by EBV Latent Cycle Proteins Affect NK Cell Reactivity
Berencie Mbiribindi, Claudia Romero Moreno, Carlos O. Esquivel, Olivia M. Martinez, Sheri M. Krams. Stamford, CA.

A64  Neuropeptide PACAP Protects Hepatocyte against Liver Ischemia/Reperfusion Injury by Promoting Yes-Associated Protein (YAP) Function
Zhengze Xue, Yuan Liu, Cheng Zhang, Ronald Busuttil, Jerzy Kupiec-Weglinski, Haofeng Ji. Los Angeles, CA.

A65  Leukocytes from Recipients with Severe Primary Graft Dysfunction after Lung Transplant Adoptively Transfer Alloreactivity to Vessel Grafts Trans Vivo

A66  Hyperglycemia Aggravates Hepatic Ischemia and Reperfusion Injury by Inhibiting Liver Resident Macrophage M2 Polarization via C/EBP-Homologous Protein-Mediated Endoplasmic Reticulum Stress
Zhuqing Rao, Jie Sun, Xiongxiong Pan, Ziyang Chen, Heliang Sun, Panpan Zhang, Mei Gao, Zhengnian Ding, Cunming Liu. Nanjing, China.

A67  Gr1+ Macrophages Play Critical Roles in Liver Inflammation Resolution after IRI via Efferocytosis
Ming Ni, Han Wang, Ronald Busuttil, Jerzy Kupiec-Weglinski, Xuehao Wang, Yuan Zhai. Los Angeles, CA; Nanjing, Jiansu, China.
CCAAT-Enhancer-Binding Protein Homologous Protein Promotes Liver Ischemia and Reperfusion Injury by Inhibiting Beclin-1-Mediated Autophagy in Hepatocytes

TGR5-Mediated AMPK/mTOR Signaling Regulates Macrophage Migration and Polarization in Liver Ischemia Reperfusion

In Vivo Allograft Exposure to Mitochondrial DAMPs Prior to Organ Procurement Increases Graft Rejection in Mice
Liwen Lin, Jun Wang, Linda Cendales, Allan D. Kirk, Todd V. Brennan. Durham, NC.

Double Deficiency of Gelatinase-A and Gelatinase-B Does Not Protect against Hepatic Ischemia Reperfusion Injury
Sergio Duarte, Patrick Matian, Stacy Ma, Ronald W. Busuttil, Ana J. Coito. Los Angeles.

Cardiac Grafts from Insulin Resistant Donors Trigger a Heightened Immune Response via Excessive Induction of Autophagy
Songjie Cai, Ji Miao, Anil Chandraker. Boston, MA.

Soluble Fibrinogen-Like Protein 2 Regulates Myeloid-Derived Suppressor Cells Differentiation and Enhances Its Immunosuppressive Function of in Allograft Immunity
Cheng Yang, Tongyu Zhu. Shanghai, China.

In Vivo and In Vitro PPAR-γ Activation Decreases M1-Macrophage Polarization and Improves Liver Ischemia Reperfusion Injury
Ivan Linares, Agata Bartczak, Kaveh Farrokhi, Dagmar Kollmann, Moritz Kathes, Matyas Hamar, Peter Urbanellis, Sujani Ganesh, Oyedele Adeyi, Paul Yip, Markus Selzner, Nazia Selzner. Toronto, ON, Canada.

Endothelial Progenitor Cell-Derived Extracellular Vesicles Inhibit Kidney Ischemia-Reperfusion Injury through the Transfer of Specific microRNA and mRNA Coding for the Complement Inhibitors CD55, CD59, Factor H and for the Transcription Factor NRF2: Relevance for Delayed Kidney Graft Function
Vincenzo Cantaluppi, Davide Medica, Sergio Dellepiane, Guido Merlotti, Andrea Airoldi, Marco Quaglia, Giuseppe Castellano, Loreto Gesualdo, Giovanni Camussi. Novara, Italy; Bari, Italy; Torino, Italy.

Ischemic Preconditioning Ameliorates Renal Ischemia-Reperfusion Injury in Mice via Heme Oxygenase-1-Mediated Autophagy

NK Cells with a Lung-Resident Phenotype Represent the Most Prominent Donor Passenger Leukocyte Subset after Clinical Lung Transplantation
Christine S. Falk, Ramon BellmasSanz, Bettina Wiegmann, Anna-Maria Hitz, Kim Blässing, Christine Neudörf, Igor Tudorache, Christian Kühn, Murat Avsar, Axel Haverich, Gregor Warnecke. Hannover, Germany.

Inhibition of Neutrophil Recruitment and Activation Protects Airway Epithelium after Transplantation
Ruochan Zhang, Huihui Fang, Qirui Chen, Jordi Ochando, Yaozhong Ding, Jiangnan Xu. Beijing, China; New York, NY.

Gene Silencing with p53 si-RNA Downregulates Inflammatory Markers in the Liver: Potential Utilization during Normothermic Machine Preservation
Carolina Moore, Maximilian Thijssen, Xiaofei Wang, Pranoti Mandrekar, E. Xiaofei, Reza Abdi, Robert J. Porte, Adel Bozorgzadeh, Henri Leuvenink, Timothy Kowalik, Paulo N. Martins. Worcester, MA; Groningen, Netherlands; Boston, MA.
A80  Hyperglycemia-Triggered ATF6-CHOP Pathway Exacerbates Liver Ischemia/Reperfusion Injury: Immunomodulation by Regulating β-Catenin Signaling
Jianhua Rao, Chao Yang, Yuanchang Hu, Shikun Yang, Yongxiang Xia, Feng Zhang, Xuehao Wang, Yuan Zhai, Ling Lu. Nanjing, China; Los Angeles.

A81  Hyperglycemia-Triggered S1P/SIPR3signaling Exacerbates Liver Ischemia/Reperfusion Injury by Regulating M1/M2 Polarization
Jianhua Rao, Yuanchang Hu, Chao Yang, Shikun Yang, Feng Cheng, Feng Zhang, Xuehao Wang, Yuan Zhai, Ling Lu. Nanjing, China; Los Angeles.

A82  Significant Difference between Proteasome and Immunoproteasome Inhibition in Acute Kidney Injury
Feng Han, Chenguang Ding, Yanlong Zhao, Puxun Tian. Xi'an, China.

A83  Histone Deacetylase-6 Inhibition Mitigates Liver Ischemia-Reperfusion Injury and Acetaminophen Toxicity in Mice

A84  Overexpression of BAX, NOL3, and XIAP Apoptotic Genes Participates in Calcineurin Inhibitors Nephrotoxicity: New Insights into Chronic Allograft Dysfunction

A85  The Role of NKT Cell /IL-17 Axis in the Autoimmune Lupus Nephritis
Jung Nam An, Yong Chul Kim, Mi-yeon Yu, Jung Pyo Lee, Chung Sik Lee, Yon Su Kim, Seung Hee Yang. Seoul, Korea; Cheju, Korea.

A86  CXCR4 Inhibition Improves Donor Leukocyte Depletion during Ex Vivo Lung Perfusion

Kidney Acute Antibody Mediated Rejection

A87  † Diagnosis of Antibody-Mediated Rejection after Kidney Transplantation by Blood Expression of Genes Involved in IFN Signaling
Mareen Matz, Qiang Zhang, Frederik Heinrich, Christine Lorkowski, Kaiyin Wu, Pawel Durek, Nils Lachmann, Mir-Farzin Mashreghi, Klemens Budde. Berlin, Germany.

A88  † A Pre-Transplant Blood-Based Lipid Signature for Prediction of Antibody-Mediated Rejection in Kidney Transplant Patients
Gaurav Gupta, Sindhura Bobba, Daniel Contaifer, Pamela Kimball, Anne King, Dhiren Kumar, Marlon Levy, Jeffrey Stern, Dayanjan Wijesinghe. Richmond.

A89  † Influence of X-Ray Repair Cross-Complementing Group (XRCC) Genes Polymorphisms on the Development of Antibody-Mediated Rejection (ABMR) in Renal Transplant Recipients
Zijie Wang, Zhijian Han, Jun Tao, Ruoyun Tan, Min Gu. Nanjing, China.

A90  † Donor-Derived Cell-Free DNA Outperforms Serum Creatinine Changes for Identifying Kidney Transplant Rejection
Matthew R. Weir, David Hiller, James P. Yee, Arthur J. Matas. Baltimore, MD; Brisbane, CA; Minneapolis, MN.

A91  † An Integrative Approach for the Assessment of Peritubular Capillaritis Extent and Score in Microvascular Inflammation – Association with Transplant Glomerulopathy and Graft Loss
Nicolas Kozakowski, Harald Herkner, Farsad Eskandary, Michael Eder, Wolfgang Winnicki, Gregor Bond, Zeljko Kikic. Vienna, Austria.
A92 Protocolar Biopsies in Patients with Subclinical De Novo DSA in Kidney Transplantation
Dominique Bertrand, Maïté Jaureguy, Cyril Garrouste, Johnny Sayegh, Nicolas Bouvier, Sophie Caillard, Luca Lanfranco, Aliénor Galinier, Arnaud François, Françoise Hau, Isabelle Etienne, Philippe Gatault. Rouen, France; Amiens, France; Clermont Ferrand, France; Angers, France; Caen, France; Strasbourg, France; Brest, France; Poitiers, France; Tours, France.

A99 CD19+ Cell Ratio as a Predictive Marker of Antibody Mediated Rejection in ABO Incompatible Kidney Transplantation
Kohei Unagami, Ryoichi Maenosono, Miyuki Furusawa, Yoichi Kakuta, Masayoshi Okumi, Hideki Ishida, Kazunari Tanabe, Kosaku Nitta. Tokyo, Japan.

A93 Validation Study of Gene Expression Signatures Associated with Antibody-Mediated Rejection (ABMR) and Cell-Mediated Rejection (CMR) in Renal Allograft Biopsies (Bx) Suggests Complexity of Molecular Diagnosis for ABMR Compared to CMR
Hao Zhang, Cynthia C. Nast, Janice Doldron, Mandy Cheung, Ashley A. Vo, Stanley C. Jordan, Mieko Toyoda. Los Angeles, CA.

A100 Title: Donor-Derived Cell Free DNA Predicts Development of Clinically Significant Changes in Donor Specific Antibody Following Kidney Transplant
Aleah L. Brubaker, Daniel J. Stoltz, Marica Grskovic, Robert Woodward, Amy Gallo. Stanford, CA; Brisbane, CA.

A94 Significance of Antibody-Mediated Vascular Rejection (AMVR) on Graft Survival: Correlation with Pure Antibody-Mediated Rejection (AMR)

A101 Eculizumab for the Treatment of Antibody Mediated Rejection in Kidney Transplant Recipients: A Single Center Experience
Aileen Chi, Jason Phillips, David J. Quan. San Francisco, CA.

A95 Defining Response to Standard of Care Treatment in Kidney Recipients with Antibody-Mediated Rejection: Role of C1q-Binding Donor-Specific Anti-HLA Antibodies
Yassine Bouatou, Denis Viglietti, Olivier Aubert, Alexandre Loupy, Carmen Lefaucheur. Paris, France.

A102 Molecular Monitoring for Kidney Allograft Injury Following HLA Incompatible Transplantation
Annette M. Jackson, Brian Iglehart, Serena Bagnasco, Niraj M. Desai. Baltimore, MD.

A96 The Complexity of HLA-DQ
David Pinelli, Anat Tambur. Chicago.

A103 C1q-Binding Donor-Specific Anti-HLA Antibodies for Clinical Decision Making in Kidney Recipients with Antibody-Mediated Rejection Receiving Standard of Care Treatment
Carmen Lefaucheur, Denis Viglietti, Yassine Bouatou, Olivier Aubert, Adriana Zeevi, Alexandre Loupy. Paris, France; Pittsburgh.

A97 Urinary C-X-C Motif Chemokines 13 is a Noninvasive Biomarker of Antibody-Mediated Renal Allograft Rejection
Dajin Chen, Jianghua Chen. Hangzhou, Zhejiang, China.

A104 Comparison of Bortezomib in Addition to Rituximab Based Treatment of Acute Antibody Mediated Rejection in Kidney Transplantation
Adela Mattiazi, Javier A. Pagan, Amar Arunachalam, Indhira De la Cruz Alcantara, Jane Revollo, Alex Centeno, Alejandro Valdes, Giselle Guerra. Miami, FL.
A105 Eluates from Fine-Needle Allograft Biopsy Increase Donor-Specific Antibody Identification in Antibody Mediated Rejection

A106 NK Cells in Allograft Kidney Biopsies during Rejection: Detection, Quantification, and Precise Localization Using Multiplex Immunofluorescence
Megumi Terada, Jean Paul Duong Van Huyen, Fanny Drieux, Christophe Legendre, Patrick Bruneval, Marion Rabant. Paris, France; Rouen, France.

A107 Clinical Response to Salvage Bortezomib Therapy for Antibody Mediated Rejection and Mixed Acute Rejection in a High Immunologic Risk Renal Transplant Population
A. Lichvar, J. Benken, E. Benedetti. Chicago, IL.

A108 Subclass Distribution of DSA Analyzed by Mass Spectrometry Predicts the Risk of Humoral Rejection
Vincent Pernin, Nicole Bec, Christian Larroque, Christophe Duperray, Georges Mourad, Moglie Lequintrec. Montpellier, France.

A109 Clinical Significance of Microvascular Inflammation in the Absence of Anti-HLA DSA in Kidney Transplantation

A110 Early Experience Using Donor-Derived Cell-Free DNA for Detection of Rejection in Kidney Transplantation
Edmund Huang, Ashley Vo, Jua Choi, Alice Peng, Supreet Sethi, Reid Najjar, Stanley Jordan. Los Angeles, CA.

A111 Comparison of Microvascular Inflammation in Renal Allograft Tissue between ABO Incompatible and ABO Compatible Kidney Transplantation
Eun Jeong Ko, Bum Soon Choi, Cheol Whee Park, Yong-Soo Kim, Chul Woo Yang, Byung Ha Chung. Seoul, Republic of Korea.

A112 An Increase in Spot Urine Protein Excretion during the First Year after Kidney Transplantation Associates with Subclinical De-Novo Donor-Specific Antibodies and Microvascular Inflammation at 1-Year Surveillance Biopsies
Miha Arnol, Gregor Minšek, Manca Oblak, Aljoša Kandus, Nika Kojc, Jadranka Buturovic-Ponikvar. Ljubljana, Slovenia.

A113 Waning Enthusiasm for a Once Promising Test: C1q Testing Does Not Provide Prognostic Information for DSA Screening Protocols
Alexander Gilbert, Dong Li, Mariam Awwad, Sandra Rosen-Bronson, Peter Abrams, Jennifer Verbesset, Gayle Vranic, Matthew Cooper. Washington, DC.

A114 Serum Treatment with Fetal Bovine Serum Significantly Increases Luminex-Based HLA Antibody Assay Specificity by Reducing Heterophile Antibody Interference

A115 The Impact of Pre-Transplant Donor Specific Antibodies (DSA) on AMR Rates in HIV-Infected Kidney Transplant Recipients Inducted with IL-2 RA

A116 Can We Expect the “Unexpected”? David Pinelli, Anat Tambur. Chicago.

A117 Efficacy and Safety of Tocilizumab in Treatment of Acute Antibody Mediated Rejection
Karthiskeyan Venkatachalam, Daloul Reem, Malone Andrew, Rowena Delos Santos, Tarek Alhamad. Saint Louis, MO; Columbus, OH.

A118 Diagnostic Usefulness of Medullary C4d Staining in Renal Allografts
Jon Von Visger, Chris Von Visger, Anjali Satoskar, Tibor Nadasdy, Jessica Hemminger, Sergey Brodsky. Columbus, OH.
A119  Biopsy Correlates of DSA in Antibody-Mediated Rejection: C4d vs Microvascular Inflammation Scores
Cynthia Harris, Lisa Anderson, Rafael Khaim, Jui Choudhuri, Ron Shapiro, Sander Florman, Fadi Salem, Madhav Menon. New York, NY.

A120  The Treatment of Antibody-Mediated Rejection in Kidney Transplantation: An Updated Systematic Review and Meta-Analysis
Susan S. Wan, Tracey D. Ying, Kate Wyburn, Darren M. Roberts, Melanie Wyld, Steven J. Chadban. Sydney, Australia; Canberra, Australia.

A121  Impact of De Novo DSA (DnDSA) on Outcomes in HLA-Sensitized (HS) Patients Transplanted after IVIG + Rituximab Desensitization (DES)
Ashley A. Vo, Olivier Aubert, Huang Edmund, Alice Peng, Reiad Najjar, Sethi Supreet, Jua Choi, Kathryn Lim, Stanley C. Jordan. LA, CA; Paris, France.

A122  Urinary Chemokine CXCL-10 in Long Term Renal Transplant Patients Associates with Urinary Tract Infections and Microvascular Damage
Georgina Irish, Meg Hockley, Svjetlana Kireta, Julie Johnson, Robert Carroll. Adelaide, South Australia, Australia.

A123  The Promising Approach in Difficult Atypical Hemolytic Uremic Syndrome Series in Renal Transplantation

A124  Comparison of C1Q Binding and Flow Cytometric Crossmatch Results Provides an Accurate Evaluation of Hypersensitive Kidney Transplant Patients

A125  Impact of Pretransplant Donor-Specific Antibodies on Kidney Allograft Recipients with Negative Flow Cytometry Crossmatches
Hyunwook Kwon, Young Hoom Kim, Ji Yoon Choi, Sung Shin, Joo Hee Jung, Min Jae Cho, Jee Yeon Kim, Duck Jong Han. Seoul, Korea.

A126  Is the NETos Increased in Acute Antibody Mediated Rejection?

A127  Interstitial Inflammation is Correlated with DQ Antibodies in Kidney Transplant Recipients
Cynthia Harris, Lisa Anderson, Rafael Khaim, Jui Choudhuri, Ron Shapiro, Sander Florman, Fadi Salem, Madhav Menon. New York.

A128  Clinical Heterogeneity of Early Anamnestic Donor Specific Antibody Responses in Kidney Transplantation

A129  ABO-Incompatibility Lower Incidence of DSA-Induced Antibody-Mediated Rejection
Dong Ryeol Lee, Byung Chang Kim, Jong Pho Kim, In Geun Kim, Mi Young Jeon. Busan, Republic of Korea.

A130  Temporal Variability of IgG Subclasses
David Pinelli, Murali Gopalakrishnan, Anna Joong, Philip Thrush, Anat Tambur. Chicago.

A131  Antibody Mediated Kidney Transplant Rejection Treated with Bortezomib – Case Series from a Single Center
Grzegorz Piecha, Robert Król, Henryk Karkoszka, Andrzej Wiecek. Katowice, Poland.
A132  Do Protocol Biopsies in the Highly Sensitized Improve Renal Allograft Survival? A Single Center Evaluation of 2 Year Graft Function
Sarat Kuppachi, Roberto Kalil, Mory Fraer, Marion Sanders, Melissa Swee, Zoe Stewart, Christie Thomas. Iowa City, IA.

A133  Single Center Experience in Use of Check Point Inhibitors and Outcomes in Kidney Transplant Recipients
Karthikeyan Venkatachalam, Rowena Delos Santos, Tareq Alhamad. St. Louis, MO.

A134  Noninvasive Detection of Infection and Rejection in Renal Transplant Patients
Yang Zhou,Yawen Cheng, Tingya Chiang, Gongda Yang, Xiaofeng Li, Fengbo Zeng, Xiaocheng Wang, Jun Ge, XiuDi Hu, Haifeng Shi, Tao Wang, Lei Liu. ZhenJiang, JingSu, China; SuZhou, JiangSu, China; ChangSha, Hunan, China.

A135  Magnitude of Pre-Biopsy Decline in Renal Function and Its Association with Allograft Rejection
Santhi Voora, Patrick Ahearn, Mehdi Tavakol, Kirsten Johansen, Elaine Ku. San Francisco, CA.

A136  Immunologic Impact of Tocilizumab Treatment in Kidney Transplant Recipients with Allograft Inflammation

A137  Impact of Bw4 and Bw6 Epitope Mismatch on Clinical Outcomes after Renal Transplantation
Chang Liu, Daniel C. Brennan, Krista L. Lentine, Rowena Delos Santos, Jieni Li, Andrew Malone, Tareq Alhamad. St. Louis; Baltimore.

A138  Kidney Transplantation in ESKD Patients with a History of Sickle Cell Disease/Trait

A139  Glucocorticoid Receptor Polymorphism Affects Susceptibility of Dyslipidemia in Recipients One Year after Kidney Transplantation

A140  Risk Factors for Graft Failure in Kidney Transplant Recipients with Polycystic Kidney Disease
Gauri Bhutani, Brad C. Astor, Arjang Djamali. Madison.

A141  A Substantial Fraction of Surveillance Transplant Biopsies Have Clinically Actionable Findings

A142  Haematological Autoimmune Disorders Associated with Alemtuzumab Induction in Renal and Simultaneous Pancreas and Kidney Recipients
Andreas Kousios, Rawya Charif, Maria Atta, Asad Luqmani, Nichola Cooper, David Taube. London, United Kingdom.

A143  Decreased Clinical Significance of Isoagglutinin Titer with the Current Desensitization Protocol in ABO-Incompatible Kidney Transplantation
Chung Hee Baek, Hyosang Kim, Won Seok Yang, Duck Jong Han, Su-Kil Park. Seoul, Republic of Korea.

A144  The Clinical Significance of Pretransplant C1q Assay Status in Positive Crossmatch Kidney Transplantation
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<td>A146</td>
<td>Efficacy of IVIG + Rituximab Desensitization Therapy on HLA Antibodies is Independent of HLA Loci</td>
<td>Xiaohai Zhang, Stanley Jordan. Los Angeles, CA.</td>
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A157 † Interactive Software for Simulation and Management of a Kidney Paired Donation Program
Mathieu Bray, Wen Wang, Michael A. Rees, Peter X. Song, Alan B. Leichtman, Valarie B. Ashby, John D. Kalbfleisch. Ann Arbor, MI; Maumee, OH.

A158 † Transplant Candidates and Potential Living Kidney Donors Are Supportive of Reciprocity for Transplant Candidates Who Participate in Kidney Paired Donation with a Compatible Donor
Jagbir Gill, John Gill, Fabian Ballesteros, Marie Chantal Fortin. Vancouver, Canada; Montreal, Canada.

A159 Evaluation of KPD: Does It Improve Overall Transplant Center Performance?
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A160 Unique Recipient Benefits with Paired Kidney Donation
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A161 Gains from Joining Kidney Paired Donation with Several Incompatible Donors
Mathieu Bray, Wen Wang, Peter X. Song, John D. Kalbfleisch. Ann Arbor, MI.

A162 Compatible Donor and Recipient Pairs’ Perspectives on Participation in Kidney Paired Donation Programs: The Emotional Implications of Indirect Donation and Transplantation
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A163 Desensitization to Facilitate Matching in a Large, National Kidney Paired Exchange Clearinghouse
Courtney Holscher, Alvin Thomas, Kyle Jackson, Christine Haugen, Matthew Ronin, Amy Waterman, Allan Massie, Jacqueline Gazonzik Wang, Dorry Segev. Baltimore; New York; Los Angeles.

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A166 Fosfomycin vs Other Antibiotics for UTI after Kidney Transplant
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A168 The Effects of Pre-Transplant Pyuria of the Deceased Donor on Post-Transplant Urinary Tract Infections in the Case of Gender Mismatch Transplantation

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A171 Recovery of Wild-Type Genotype after Documented Ganciclovir-Resistance in Transplant Recipients with Recurrent CMV Viremia
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A175 Relation between Seroprevalence of Cytomegalovirus and Graft Survival in Japanese Kidney Transplant Recipients: The Japan Academic Consortium of Kidney Transplantation Study
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Lyndsey J. Bowman, Rajendra S. Baliga, Cynthia A. Mayer. Tampa, FL.

A178 Effect of Influenza Vaccine in Patients with Kidney Transplant
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A179 Tuberculosis among Kidney Transplant Patients Compared to Dialysis and Non-Dialysis CKD Patients over a Decade Period
Abdel Massiah Metry, Issa Al Salmi, Faisal Al Ismaili, Alan Hola, Faisal Shaheen, Issa Al Salmi. Muscat, Oman; Riyadh, Saudi Arabia.

A180 Evaluation of Allergy to Tacrolimus in Kidney Transplant Candidates and Recipients with a History of Macrolide Antibiotic Allergy
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A183 Cryptococcal Infections in Kidney Transplant Recipients. A Single Center Experience

A184 Transplant Tourism and Invasive Fungal Infection
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A202 Diabetic Nephropathy after Kidney Transplantation in Patients with Pre-Transplantation Type II Diabetes May Occur Later and Be Less Common Than Previously Thought

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A210 Four Years Follow-Up in Kidney Transplant Patients with Vascular Calcifications

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Erik L. Lum, Komtip Phonphok, Nakul Datta, Suphamai Bunnapradist. Los Angeles, CA.

A214 Improved Cardiac Risk Stratification Method in Kidney Transplant Candidates.

A215 The Impact of Anticoagulation Therapy Modifications during the Index Hospitalization on Clinical Outcomes in Kidney Transplant Recipients

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Suhail A. Shaikh, Milagros Samaniego, Jeong M. Park. Washington DC; Ann Arbor, MI.

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Sandra Aleksic, Sara Zahedpour, Effie Tsomos, Maria Ajaimy, Joel Zonszein, Enver Akalin. Bronx.

A220 Neutrophil-Lymphocyte Ratio(NLR) is Significantly Decreased in Kidney Transplant Patients: Is NLR a Novel Predictor of Cardiovascular Disease in Kidney Transplant Patients?
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A264 † MELD-Na Score Based Liver Allocation: Hyponatremia is No Longer a Risk Factor for Waitlist Mortality
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Thomas E. Butler, Abbas Rana, Marc Garfinkel. Springfield, IL; Houston, TX.

Offer Acceptance Practices and Geographic Variability in Allocation MELD at Transplant

Andrew Wey, S. Gentry, J. Pyke, D. Schladt, T. Weaver, N. Salkowski, B. Kasiske, A. Israni, Jon Snyder. Minneapolis; Anapolis.

Predicting Liver Allograft Discard: The Discard Risk Index

Abbas Rana, Michael Kueht, N. Thao Galvan, Ronald Cotton, Tamir Miloh, Christine O’Mahony, John Goss. Houston, TX.

DCD Utilization in Cholestatic Liver Disease: Distinct Outcomes between PSC and PBC Recipients


Is Percent Exception at Transplant a Driver of MELD Inflation?

David Schladt, Jon Snyder, Ajay Israni, W. R. Kim, John Lake. Minneapolis, MN; Stanford, CA.

When Does Donor Age Matter? A Review of over 70,000 Liver Transplants

Dor Yoeli, Evelyn T. Pan, Michael L. Kueht, Nhu Thao N. Galvan, Ronald T. Cotton, Christine A. O’Mahony, John A. Goss, Abbas Rana. Houston, TX.

Waitlist Candidates Who Travel for Liver Transplantation and the Donor Organs They Receive

Jin Ge, Jennifer C. Lai. San Francisco, CA.
A288 Real-Time Expert Evaluation of Liver Biopsy for Transplant: The Significance of Smartphone and Microscope Adapter in Telepathology

A289 DSA-Level Liver Availability and Liver Utilization

A290 Do High-Risk Categories Convey the Wrong Message to Waitlisted Patients – Is It Time to Reconsider the Absolute Risk of Graft Loss?

A291 Cumulative United States Experience in Domino Liver Transplants
Kaylene Barrera, Sidharth Sharma, Angelika Gruessner, Rainer Gruessner. Brooklyn, CA.

A292 Liver Allocation: One OPO’s Experience with Expedited versus Non-Expedited Placement
Chad C. Muse, Ronald A. Squires, Chad Trahan, Janice F. Whaley, Jeffrey P. Orlowski. Oklahoma City, OK.

A293 MELD Based Allocation Deteriorates Patient Survival without Improving Waiting List Mortality in a Low Donor Area

A294 Long-Term Outcomes and Predictors of Survival after Liver Transplantation for Wilson Disease (WD)
Prasun Jalal, Sarah May, Abbas Rana. Houston, TX.

A295 Outcomes of Moderately Macrosteatotic Liver Allografts
Jurgis Alvikas, Andrew-Paul Deeb, Kristina Lemon, Xilin Chen, Shahid Malik, Gang Zeng, Christopher Hughes, Abhinav Humar, Amit Tevar. Pittsburgh, PA.

A296 Utilization of Older Donor after Cardiac Death Allografts in Liver Transplantation: An Opportunity to Increase the Donor Pool
Flavio Paterno, Koffi Wima, Tayyab Diwan, Madison Cuffy, Nadim Anwar, Ervin Steve Woodle, Shimul Shah. Cincinnati, OH.

A297 Calibration of Updated LSAM
Joshua Pyke, T. Weaver, D. Schladt, N. Salkowski, A. Wey, J. Lake, W. Kim, S. Gentry, Ajay Israni. Minneapolis; Stanford; Annapolis.

A298 † Kidney Donor Profile Index (KDPI) is Not Inferior to Liver Donor Risk Index (LDRI) in Predicting Long-Term Liver Graft Survival
Uwe Scheuermann, Kyle Freischlag, Qimeng Gao, John Yerxa, Brian Ezekian, Robert P. Davis, Paul M. Schroder, Andrew S. Barbas. Durham, NC.

Non-Organ Specific: Disparities to Outcome and Access to Healthcare

A299 † Most Pediatric Transplant Centers Are Underperforming and in Proximity to Higher Volume Centers
Tyler Nichols, Abbas Rana, John A. Goss. Houston, TX.

A300 † The Utility of an Online Survival Calculator in Selecting Older Candidates for Kidney Transplantation
Mohammed Shwetar, Khaled Abdel-Kader, Beatrice P. Concepcion. Nashville, TN.

A301 † Race/Ethnicity and Hypertension Self-Care Behaviors among US Living Kidney Donors
Morgan Johnson, Tanjala Purnell, Xun Luo, Lisa Cooper, Madeline Waldram, Deidra Crews, Macey Henderson, Allan Massie, Dory Segev. Baltimore, MD.

A302 Racial Differences in Patient-Perceived Barriers to Starting the Kidney Transplant Evaluation
Reem E. Hamoda, Laura J. McPherson, Kristie Liptof, Jennifer C. Gander, Stephen O. Pastan, Rachel E. Patzer. Atlanta, GA.
A303  Qualitative Analysis of Facebook Posts Created via the Donor Application
Jonathan Konel, Sharon Weeks, Komal Kumar, David Helfer, Dorry Segev, Jacqueline Ganzonik Wang, Macey Henderson, Andrew Cameron. Baltimore.

A304  Racial Disparities in Post-Liver Transplant Survival before and after Share 35 Implementation
Katherine Ross, Raymond Lynch, Rachel Patzer. Atlanta, GA.

A305  Hospitalization, Dialysis Center Type, and Disparities in ESRD Survival and Waitlist Access
Raymond J. Lynch, Rebecca Zhang, Andrew B. Adams, Rachel E. Patzer. Atlanta, GA.

A306  No Correlation between US News “Best Hospitals” Rank and Outcome of Liver or Kidney Transplantation
Julia L. Shreve, Steve F. Markowiak, Munier M. Nazzal, Jorge A. Ortiz. Toledo, OH.

A307  The Opioid Strikes Back: Pre-Transplant Opioid Exposure is Associated with Increased Readmissions after Renal Transplant

A308  Hispanics’ Perceptions of a Culturally Targeted Transplant Program: A Mixed Methods Study
N. Alhalel, N. O. Francone, J. C. Caicedo, R. Ruiz, A. Salazar, S. Primeaux, E. J. Gordon. Chicago, IL; Dallas, TX.

A309  Racial and Socioeconomic Influences on Kidney Transplantation. A 10 Year Retrospective Study

A310  Associations of Poor Physical and Cognitive Performance and Kidney Transplant Waiting List Denial

A311  Telehealth Evaluations to Screen Kidney Transplant Candidates Does Not Adversely Affect Time to or Rate of Transplant

A312  Graft and Patient Outcomes after Kidney Transplant for American Indians

A313  Determinants of Delays and Reduced Rates of Waitlisting and Kidney Transplant among American Indians
Mira Keddis, Muneeb Ilyas, Nan Zhang, Hasan Khamash, Scott Leischow, Amit Sharma, Raymond Heilman. Phoenix, AZ.

A314  Transplant Outcomes in Female African American Recipients
Anita Patel, Rohini Prashar, Dandrich Lim. Detroit, MI.

A315  Development of a Predictive Model for Deceased Donor Organ Yield
Wesley J. Marrero Colon, Mariel S. Lavieri, Seth D. Guikema, David W. Hutton, Neelhar D. Parikh. Ann Arbor, MI.

A316  Predictors of Early Graft Loss in Older Kidney Transplant Recipients
Prince K. Amaechi, Rafael Rodriguez, Vinaya Rao, David Taber, Maria Aurora Posadas Salas. Charleston, SC.

A317  Patient Change in Residence and Risk of Readmission after Renal Transplant in the US
Julien Hogan, Michael Anderson, Yiran Zhang, Joyce Kim, Geeta Karakhele, Xingyu Zhang, Andrew B. Adams, Rachel E. Patzer. Atlanta, GA.
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Mary Larijani, Kumar S. Nadhan, James Abbott, Alden M. Doyle, Christina L. Chung. Philadelphia, PA; Charlottesville, VA. |
| **A319** | The Fate of Older Candidates Referred for Kidney Transplantation  
Mohammed Shwetar, Khaled Abdel-Kader, Beatrice P. Concepcion. Nashville, TN. |
| **A320** | Living Donor Renal Transplantation in Adult Renal Transplant Recipients Varies Markedly across UNOS Networks  
Amarpali Brar, Angelika Gruessner, Moro Salifu, Rainer Gruessner, Nabil Sumrani, Devon John, Fasika Tedla. Brooklyn, NY. |
| **A321** | Rates of Posttransplant Cutaneous Disease Differ between Black and White Solid Organ Transplant Recipients  
Rina M. Allawh, Kumar S. Nadhan, Alden M. Doyle, Meera N. Harhay, Christina L. Chung. Philadelphia, PA; Charlottesville, VA. |
| **A322** | Reducing Hospital Readmissions: Referral of High Risk Liver Transplant Patients to a Transitional Care Coordination(TCC) Program  
Anahita Masoumi, Rolf Barth, Tina Stern, David Bruno, John LaMatta, Steven Hanish. Baltimore, MD. |
| **A323** | Predictors of Immunosuppressive Medication Adherence in Chinese Renal Transplant Recipients: Marital Status and Immunosuppressive Medication Beliefs  
Jia Liu, Shan Liu, Jianfei Xie, Jin Yan. Changsha, China; Garden City, NY. |
| **A324** | A Single Center Transition of Care Model from Pediatric Heart Recipients to Adult Services Ongoing Study Model  
Sherrie Adams, Mark Wigger. Nashville, TN. |
| **A325** | Effect of Ethnicity on Recipient Characteristics, Kidney Transplant Provision and Outcomes in a High-Volume National Health Service Hospital  
Evaldo Favi, Carmelo Puliatti, Mariano Ferraresso, Roberto Cacciola. Milan, Italy; London, United Kingdom. |
| **A326** | Challenges in Cultural and Linguistic Discordance in Caring for Somali Kidney Transplant Recipients at a Large-Volume Transplant Center  
| **A327** | Outcomes of Second Opinion Kidney Transplant Evaluations  
| **A328** | Gender Disparities in Need for Dialysis, Access to the Renal Transplant Waitlist and Renal Transplant Survival  

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| **A330** | Objective Measures of Nutrition in Pre-Pancreas Transplant Patients with Type I Diabetes  
| **A331 †** | Isolated Pancreas Transplantation: Does Rank List Position Matter for Imported Grafts?  
Joel T. Adler, Robert R. Redfield, Dixon B. Kaufman, Jon S. Odorico. Madison, WI. |
A332 † Comprehensive Efficacy Analysis of Pancreas Transplantation Alone for Type 1 Diabetes Mellitus
Yogish Kudva, Vikash Dadlani, Byron H. Smith, Katarina Bebjakova, Patrick G. Dean, Mark D. Stegall. Rochester, MN.

A333 Addressing the “Crisis” in Pancreas Transplant Volume Using a Multidisciplinary Approach
Joseph R. Scalea, Stephen T. Bartlett, Rolf N. Barth. Baltimore, MD.

A334 Outcomes of Enteric Conversion of Bladder Drained Pancreas; over a Decade of Experience at a Single Center

A335 Enteric Conversion of Bladder Drained Pancreas as a Time Dependent Predictor of Outcomes in over 900 Recipients
Samy M. Riad, Daniel O. Keys, Viral H. Vakil, Scott Jackson, Danielle Berglund, Arthur Matas, Raja Kandaswamy. Minneapolis, MN.

A336 † Identifying Patients at Risk of Mortality and Major Adverse Cardiovascular Events Following Simultaneous Pancreas and Kidney Transplantation Using the Pre-Transplant QRISK2 Score
Petros Yiannoullou, Shu C. Goh, Hussein Khambalia, Zia Moinuddin, Angela Summers, Iestyn Shapey, Catherine Fullwood, Titus Augustine, Martin K. Rutter, David van Dellen. Manchester, United Kingdom.

A337 Insulin Use on Intensive Care Units as a Marker of beta-Cell Death in Brain Dead Pancreas Donors
Iestyn M. Shapey, Angela Summers, James O’Sullivan, Petros Yiannoullou, Titus Augustine, Martin Rutter, David van Dellen. Manchester, United Kingdom.

A338 Peri-Transplant Glycaemic Control as a Predictor of Pancreas Transplant Survival
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A339 † Effect of Donor-Recipient Gender-Mismatch on Long Term Function after Pancreas Transplantation
Franka Messner, Claudia Bösmüller, Manuel Maglione, Marina Riedmann, Rupert Oberhuber, Benno Cardini, Thomas Resch, Stefan Schneeberger, Christian Margreiter. Innsbruck, Austria.

A340 Provision of Highly Specialized Aftercare by the Transplant Center Strongly Improves Patient, Pancreas and Kidney Allograft Survival in Long-Term Follow-Up after Simultaneous Pancreas-Kidney Transplantation
Thomas Schachtner, Marina Zaks, Andreas Kahl, Petra Reinke. Berlin, Germany.

A341 Pre-Operative Predictors of Health-Related Quality of Life for Pancreas Transplant Recipients
Irene Mosca, Shruti Mittal, Joel Smith, Peter J. Friend. Oxford, Oxfordshire, United Kingdom.

A342 Decline in Pancreas Transplantation Numbers is Accompanied with Lower Publication Rates

A343 Evolutive Analysis of a 20-Year Pancreas Transplant Program
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A344  Pancreas Outcomes between Living and Deceased Kidney Donor Recipients in Pancreas after Kidney Transplantation
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A345  Pancreas Retransplantation: Outcomes of This Technical and Immunological Challenge over 38 Patients
Fanny Paret, Diego Cantarovich, Georges Karam, Thomas Batard, Mathilde Nedelec, Julien Branchereau. Nantes, France.

A346  A Study to Identify Marginal Factors for Donors of Pancreas Transplantation in Japan
Taihei Ito, Takashi Kenmochi, Kei Kurihara, Naohiro Aida. Toyoake, Aichi, Japan.

A347  Waiting List Outcomes for Patients Registered for Simultaneous Pancreas and Kidney Transplantation
Veena Surendrakumar, James Richards, Mohammad A. Hossain, Gavin J. Pettigrew. Cambridge, United Kingdom.

A348  How Should Pancreas Transplant Rejection Be Treated?

A349  Evaluation of MPA Dose on Development of DSA Following Pancreas Transplant
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A350  Ideal Body Weight versus Actual Body Weight for Rabbit Antithymocyte Globulin Induction in Pancreas Transplantation

A351  Experience with Alemtuzumab Induction with Tacrolimus/Mycophenolate +/- Steroids in Simultaneous Pancreas-Kidney Transplant Recipients with Portal-Enteric Drainage
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A352  Impact of a Steroid Free Immunosuppressive Regimen on Patient and Graft Outcomes in Pancreas Transplant Recipients
Mariesa Cote, Christin Rogers, Khalid Khwaja, Amy Evenson, Martha Pavlakis, Katelyn Richards. Boston, MA.

A353  Rejection and Graft Loss in Patients with BK Viremia after Simultaneous Pancreas and Kidney Transplant
Daniel O. Keys, Samy M. Riad, Viral Vakil, Scott Jackson, Danielle Berglund, Arthur Matas, Raja Kandaswamy. Minneapolis, MN.

A354  BK Viremia in Simultaneous Kidney Pancreas Recipients: Single Center Experience
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A355  The Effect of Steroid Maintenance in Recipients with Pancreas Transplant Alone: A Single Center Experience

A356  Pancreas Transplant for Type 2 Diabetes is Associated with Preserved Function, but Impaired Glucose Tolerance: A Comparative Analysis
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A357  Three-Month Pancreas Graft Function Significantly Influences Survival Following Simultaneous Pancreas-Kidney Transplantation in Type 2 Diabetes

A358  Pancreas and Kidney Co-Transplantation in Type II Diabetes: A Single Center Experience

A359  Comparison of Glycemic Control in Type 1 and Type 2 Diabetic Patients after Pancreas Transplantation
Oya M. Andacoglu, Anu Murthy, Jael Ahn, Jennifer Verbesey, Seyed Ghasemian, Matthew Cooper, Peter Abrams. Washington, DC.

A360  Estimation of Beta Cell Function after Total Pancreatectomy with Islet Autotransplantation Using Single Fasting Blood Sample Based Indices and Modified Igls Score.
Justyna Gołębiewska, Piotr Bachul, Lindsay Basto, Mark Kijek, Natalie Fillman, Kamil Cieply, Karolina Golab, Lingjia Wang, Martin Tibudan, Celeste Thomas, Alicja Dębska-Ślizień, John Fung, Piotr Witkowski. Gdańsk, Poland; Chicago.

A361  BETA-2 Score is an Excellent Tool for Monitoring of Islet Allograft Function and Early Detection of Transplant Dysfunction
Piotr J. Bachul, Justyna Gołębiewska, Lindsay Basto, Mark R. Kijek, Natalie Fillman, Kamil T. Cieply, Karolina Golab, Ling-Jia Wang, Martin Tibudan, Celeste Thomas, Alicja Dębska-Ślizień, John Fung, Piotr Witkowski. Chicago; Gdańsk, Poland.

A362  Early Infectious Complications Post Total Pancreatectomy with Islet Autotransplantation
Justyna Gołębiewska, Piotr Bachul, Lindsay Basto, Mark Kijek, Natalie Fillman, Kamil Cieply, Karolina Golab, Lingjia Wang, Martin Tibudan, Celeste Thomas, Alicja Dębska-Ślizień, John Fung, Piotr Witkowski. Gdańsk, Poland; Chicago.

A363  Early Predictors of Metabolic Outcomes in TPIAT
Mazhar A. Kanak, Yoshitaro Shindo, Marlon F. Levy. Richmond, VA.

A364  Obese Patients Show Resistance to Narcotics Reduction after TPIAT for Chronic Pancreatitis
Gumpei Yoshimatsu, Bashoo Naziruddin, Kenjiro Kuman, Hoylan T. Fernandez, Ernest Beecherl, Nicholas Onaca. Fukuoka, Japan; Dallas.

A365  Pancreatic Graft Loss after Simultaneous Pancreas Kidney (SPK) Transplant within First 90 Days. Predictors beyond the Surgical Cause. A UNOS/OPTN Data Analysis

A366  Increased Risk of Early Graft Loss in Pancreas Transplant: A Retrospective Review of the UNOS Database
Erin Steen, Chang Liu, Eric Siskind, Jorge Ortiz. Toledo, OH; Annandale, VA.

A367  Insulin Use after Pancreas Transplant: Implications for Post-Transplant Outcomes
A368 Pregnancies in Female Pancreas Transplant Alone Recipients  
Priyal Patel, Dorothy Kliniewski, Lisa A. Coscia, Dawn P. Armenti, Serban Constantinescu, Michael J. Moritz. Allentown, PA; Philadelphia; Philadelphia, PA; Tampa, FL.

A369 Impact of New Pancreas Transplant Allocation Policy on Pancreas Transplant Volume and Outcomes: A Single Center Study  

A370 To Score a Pancreas, Stars Must Be Aligned  
Amy L. Friedman, Pradeep Bagavan, Kristin Delli Carpini. NY.

A371 Outcomes from Brain Death Donors with Cardiac Arrest Accepted for Pancreas Transplantation  

A372 Hypoxia Results in Endoplasmic Reticulum Stress and Activation of the Unfolded Protein Response in Isolated Human Islets and Human Donor Pancreases  
Bnvant Sandhu, Maria Prendecki, Natalie Vallant, Guy Rutter, Charles Pusey, Vassilios Papaloi. London, United Kingdom.

Quality Assurance Process Improvement

A373 Improving Organ Donation Rates through a Primary Care Physician Office-Based Intervention  
Randeep Kashyap, M. Katherine Dokus, Nancy Ryan, Amy James, Rob Kochik, Roberto Hernandez, James Dolan, Peter Veazie, Mark Orloff, Scott McIntosh. Rochester, NY.

Trends in Safety Reporting to UNOS by Event Type  
Alden M. Doyle, Susan Tlusty, Read Urban, Michael Marvin, Edward Hollinger, David Marshman, Michael Green. Charlottesville, VA; Ichmond, VA; Danville, PA; Norcross, GA; Pittsburgh, PA; Chicago, IL.

Trends in Safety Reporting to UNOS Related to Non-Recovery, Discard, or Delay  
Alden M. Doyle, Read Urban, Susan Tlusty, Michael Marvin, Edward Hollinger, David Marshman, Michael Green. Charlottesville, VA; Richmond, VA; Danville, PA; Chicago, IL; Norcross, GA; Pittsburgh, PA.

Virtual Encounters: Robust Methods to Manage Your Active Waitlist  

Financial Impact of Testing Standardization for Solid Organ Transplant Recipients  

Multidisciplinary Transplant Rounds: A Step to Improved Team and Patient Satisfaction  

Inter-Correlations between Psycho-Social Pre-Transplant Determinants of Post-Transplant Kidney Allograft Function  
Sujan P. Shah, Ann Kathleen Gamilla-Crudo, Brittany L. Schreiber, Charles Machner, Omar A. Aele, Muhammad A. Mujtaba. Galveston, TX.
A380 Multidisciplinary Approach to Prevention of Cytomegalovirus (CMV) Complications in Kidney and Liver Transplant Recipients

A381 Hospitality Houses and Transplant Patients: Assessing the Impact of a Hospitality House Dedicated to Transplant Patients and Their Families
Talia C. Giordano, Jennifer W. Campbell, Jan L. Weinstock, Howard M. Nathan. Philadelphia, PA; Ardmore, PA.

A382 Implementing Mobile Health Technology for Living Kidney Donor Follow-Up: Transplant Provider Perspectives
Ann Eno, Jessica Ruck, Sarah Rasmussen, Dorry Segev, Macey Henderson. Baltimore.

A383 Patient Attitudes and Perceptions of Using Mobile Health Technology for Living Kidney Donor Follow-Up and Care Management
Ann Eno, Alvin Thomas, Jessica Ruck, Sarah Rasmussen, Samantha Halpern, Dorry Segev, Macey Henderson. Baltimore, MD.

A384 Telemedicine Implementation in Organ Transplantation at a Metropolitan Academic Medical Center

A385 Evaluation of Efficiency and Patient Perception of Solid Organ Transplant Medication Education after Pharmacist-Created Video Education

A386 Innovative Strategies to Accommodate Increased Patient Volume in an Outpatient Transplant Infusion Center
Jeannifer Estrada, Monique Tyrell, Jua Choi, Joyette Jagolino, Stanley Jordan. Los Angeles, CA.

A387 Improving and Delivering Medical Education about Organ Donation and Transplantation to Medical Students Could Play a Fundamental Role in Organ Donation Expansion: It's Time to Get the Basics Right.
Abbas Ghazanfar, Eleftheria Vyra. London, United Kingdom.

A388 Resident Perceptions and Evaluations of a Fellow-Led Transplant Service versus Resident-Led Surgical Services
Aaron M. Williams, Meredith Barrett, Niki Matusko, Isabel S. Dennahy, Randall S. Sung, Gurjit Sandhu, Kenneth J. Woodside. Ann Arbor, MI.

A389 Preoperative Patient Education to Improve the Inpatient Experience for Living Donors
Kate Ventura, Kristen Sigafus. Philadelphia, PA.

A390 Four Eyes Are Better Than Two: Improving Laboratory Report Quality Control
Sara Dionne, Katelyn Klama, Harun Rashid, Ann Niedzinski. Centennial, CO; Philadelphia, PA.

A391 Evaluating Transplant Quality Staffing Models via a National Survey

A392 The Providers Can’t Let Go! An Analysis of an RN Driven Tacrolimus Dose Adjustment Protocol

A393 After Action Review of Emergency Preparedness for “Hurricane Harvey” for LifeGift Houston
Robert Wood, Kevin Myer. Houston, TX.

Tolerance / Immune Deviation

A394 Lymph Node Reprogramming: Microparticle Delivery of Immune Signals to Induce Tolerance and Prolong Allograft Survival
Y. Xiong, L. H. Tostanoski, C. M. Jewell, Jonathan Bromberg. MD.
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| **A395 †** Long-Term Nonhuman Primate Renal Allograft Survival without Ongoing Immunosuppression in Recipients of Delayed Donor Bone Marrow Transplantation  
Kiyohiko Hotta, Tetsu Oura, Abbas Dehnadi, Masatoshi Matsunami, Ivy Rosales, Rex N. Smith, Robert B. Colvin, A. Benedict Cosimi, Tatsuo Kawai.  
Boston, MA. | A401  
Characterization of Renal Allograft Tolerance Induction via Transient Mixed Chimerism in Non-Human Primates  
Hajime Sasaki, C. C. Thaiss, Tetsu Oura, Ivy A. Rosales, R. N. Smith, Robert B. Colvin, Benedict A. Cosimi, Tatsuo Kawai.  
Boston. |
| **A396** Mitochondrial Membrane Permeability Plays a Critical Role for Endothelial Cell Necroptosis and Cardiac Allograft Rejection  
Ingrid Gan, Jifu Jiang, Dameng Lian, Xuyan Huang, Winnie Liu, Aaron Haig, Anthony M. Jevnikar, Zhu-Xu Zhang.  
London, ON, Canada. | A402  
Human CD8^+CD28^- Ts Cells Expended by Common Gamma Chain (γc) Cytokines Keep Steady Allospecific Suppressive Capacity *In Vivo*  
Guihuan Liu, Fu Feng, Ping Zhu, Jiumin Liu, Yanjun Liu, Yuming Yu. Guangzhou, Guangdong, China. |
| **A397 †** ABO Tolerance after Treatment of Infant or Adult Mice with MHC-Matched A-Expressing Blood Cells  
Bruce Motyka, Jordana Fersovich, Brendon Lamarche, Morgan Sosniuk, Ibrahim Adam, Jean Pearcey, Kesheng Tao, Christopher W. Cairo, Peter J. Cowan, Lori J. West. Edmonton, Canada; Melbourne, Australia. | A403  
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Marcos Iglesias, Anirudh Arun, Maria Chicco, Brandon Lam, Vera Ivanova, W. P. Andrew Lee, Gerald Brandacher, Giorgio Raimondi. Baltimore, MD. |
| **A398 †** Biomaterial-Based Localized and Controlled Delivery of Tofacitinib to Actuate Enhanced Costimulation Blockade and Promote Long-Term Transplant Survival  
Baltimore; Frederick; Laurel. | A404  
Tomotherapy and Donor Hematopoietic Cells for Tolerance to Kidney Transplants in Rhesus Macaques  
| **A399** IL-10 Requirement in *In Vitro* Expanded Breg-Mediated Allograft Tolerance is Tissue Specific  
Boston, MA. | A405  
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Charles Rickert, Shoko Kimura, Lisa Kojima, Kang Mi Lee, Mohamed Aburawi, Fermín Fontan, Kevin Deng, Heidi Yeh, James Markmann. Boston, MA. |
| **A400** A Novel Conditioning Approach to Establish Chimerism Using Manipulation of JAK-STAT Pathways  
Hong Xu, Andrea Merchak, Larry Kahn, Anita Chhabra, Yujie Wen, Yiming Huang, Suzanne Ildstad. Louisville, KY. | A406  
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Zhixing Song, Yu Zhou, Qing Ding, David M. Rothstein. Pittsburgh; Beijing, China. |
| **A401** Characterization of Renal Allograft Tolerance Induction via Transient Mixed Chimerism in Non-Human Primates  
Hajime Sasaki, C. C. Thaiss, Tetsu Oura, Ivy A. Rosales, R. N. Smith, Robert B. Colvin, Benedict A. Cosimi, Tatsuo Kawai.  
Boston. | A407  
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A408 Myeloid Derived Suppressor Cells Are Induced after Transplantation and Home to the Transplanted Kidney
Young S. Lee, Eduardo Davila, Jonathan S. Bromberg, Joseph R. Scalea. Baltimore, MD.

A409 High Fibre Diet Induces Donor Specific Kidney Allograft Tolerance in Mice
Huiling Wu, Tony Kwan, Yik Wen Loh, Chuanmin Wang, Laurence Macia, Stephen Alexander, Steven Chadban. Sydney, Australia.

A410 Human CD8\(^+\)CD28\(^-\) T Cells Driven \textit{In Vitro} by IL-15 Suppress in Allo-Specific Manner Partially through PD-1:PD-L1 Pathway
Fu Feng, Guihuan Liu, Ping Zhu, Manman Zhu, Xiao Lu, Jiumin Liu, Xunrong Luo, Yanjun Liu, Yuming Yu. Guangzhou, Guangdong, China; Chicago, IL.

A411 Post-Transplant High Dose Cyclophosphamide Treatment Induces Thymus-Independent Immune Tolerance of Vascularized Composite Allografts via Complete Depletion of the Alloreactive TCR Repertoire.

A412 Acute Murine CMV Infection Results in Loss of Intragraft CD73\(^+\)FR4\(^+\)PD1\(^+\) CD4 T Cells and Graft Rejection in Previously Tolerant Recipients
Anil Dangi, Lei Zhang, Xiaomin Zhang, Xunrong Luo. Chicago, IL.

A413 TGF-b Plus Rapamycin Induce Foxp3 and Promote iTreg Development and Suppressive Function, Leading to Long-Term Allograft Survival
Liqing Wang, Arabinda Samanta, Rongxiang Han, Ning Zhou, Wayne W. Hancock. Philadelphia, PA.

A414 T Cell Immunomonitoring Including Donor Specific Treg Expansion Prospectively Predicts Renal Allograft Tolerance Induced by Transient Mixed Chimerism
Kiyohiko Hotta, Tetsu Oura, Abbas Dehnadi, Kyu Ha Huh, Masatoshi Matsunami, Hajime Sasaki, Gilles Benichou, Joren C. Madsen, A. Benedict Cosimi, Tatsuo Kawai. Boston, MA.

A415 Immunomodulation of Alloantibody Responses

A416 M-CSF and TNF-\(\alpha\) Induce Human MDSCs That Attenuate GVHD
Feng Han, Chenguang Ding, Yanlong Zhao, Puxun Tian. Xi'an, China.

A417 The Role of pDCs in Formation of Treg-Rich Organized Lymphoid Structures in Spontaneously Accepted Murine Kidney Allografts is Dependent on Mismatching of MHC Class II Molecules at the H2-I-A\(^b\) Locus

A418 Standard Induction Immunosuppression Interferes with the Role of Vascularized Bone Marrow in Vascularized Composite Allograft Protection

A419 Prolongation of Skin Allograft Survival through Dietary Supplementation of Ayrl Hydrocarbon Receptor Ligands
Amin Afrazi, Leah Owens, John Fechner, Chelsea O’Driscoll, Joshua Mezrich. Madison, WI.
A420 Long Noncoding RNA NEAT1 Induces Tolerogenic Dendritic Cells in Heart Transplantation
Jian Wu, Yang Zheng, Shuang Li, Maomao Zhang, Hanlu Zhang, Xianghui Zheng, Yong Sun, Bo Yu. Harbin, Heilongjiang, China.

A421 Heart En Bloc Thymus Cotransplantation in NHPs Controls Cellular but Not Humoral Alloreactivity

A422 CD4+CD25bright Regulatory T Cells Prevent Acute Xenogeneic GVHD
Yiming Huang, Andrea R. Merchak, Hong Xu, Anita Chhabra, Ahmed Khalili, Yujie Wen, Melissa M. Binion, Mark D. Badder, Larry Kahn, Suzanne T. Ildstad. Louisville, KY.

A423 Thymus Co-Transplantation Promotes Donor-Specific Tolerance in Allogeneic Heart Transplantation
Jean Kwun, Jie Li, Clay D. Rouse, Jae Berm Park, Allan D. Kirk, M. Louise Markert. Durham, NC.

A424 Renal Allograft Molecular Pathways Associated with Tolerance Induction in Renal Transplantation
Lorenzo Gallon, James Mathew, Sai Vineela Bontha, Catherine Dumur, Pranav Dalal, Lakshimi Nadimpalli, Daniel Maluf, Aneesha Shetty, Suzanne Ildstad, Joseph Leventhal, Valeria Mas. Chicago, IL; Charlotte, NC; Louisville, KY.

A425 Vendor-Specific Differences in Identical Strains of Mice Yield Dichotomous Result in Lung Allograft Rejection
Yizhan Guo, Qing Wang, Oscar Onyema, Andrew E. Gelman, Daniel Kreisel, Alexander S. Krupnick. Charlotte, NC; St. Louis, MO.

A426 IL23R is a Pathogenic Gene in Type 1 Regulatory T Cells during Mouse Cardiac Transplantation Models
Guangxiang Gu, Tianfei Lu, Ning Xu, Qiang Xia. Shanghai, China.

A427 Tipping the “Immune Balance” towards Tolerance by Specific and Systematic Depletion of Donor and Host Effector Cells
Roger A. Bascom, KeSheng Tao, Lori J. West. Edmonton, Canada.

A428 Organ-Specific Differences in a Thymoglobin and Belatacept-Based Protocol for Tolerance Induction in Non-Human Primates

A429 α-1 Antitrypsin Facilitate Apoptosis Donor Cells Inducing Donor Specific Protection to Mice Cardiac Allografts
Guodong Chen, Xingqiang Lai, Longhui Qiu, Yi Zhao, Shuangjin Yu, Chang Wang, Jin Zhang, Fen Ning, Lihong Chen. Guangzhou, Guangdong, China.

A430 NOS2 Deficiency Limits Long Term Survival of Murine Kidney Allografts
Imad Aljabban, Bo Jiang, Chao Yang, Thomas O’Shea, Dorothy Ndishabandi, Rebecca White, Paul S. Russell, Robert B. Colvin, Joren C. Madsen, Alessandro Alessandrini. Boston, MA; Hershey, PA.

A431 Kidney Allografts Confer Tolerance upon Co-Transplanted Heart Allografts by Promoting Tregs

A432 Effect of Erythropoietin on Cardiac Allograft Survival in Non-Human Primates
A433  Ex-Vivo Generation of Alloantigen-Specific Immunomodulatory Cells: Elucidating the Mechanistical Synergy of Cell Components
Ming Han Yao, Makiko Kumagai-Braesch, Masaaki Watanabe, Kazuaki Tokodai, Torbjörn Lundgren, Michael Uhlin, Bo Göran Ericzon. Stockholm, Sweden; Sapporo, Japan.

A434  In Vitro α-Galactosylceramide Stimulation Expands CD4+CD25+Foxp3- Regulatory T Cell Precursors in Murine Thymocytes
Hauki Katsumata, Masako Ikemiyagi, Taichi Kanzawa, Hironori Fukuda, Rumi Ishii, Kan Saiga, Masayoshi Okumi, Yasuyuki Ishii, Kazunari Tanabe. Tokyo, Japan; Fukushima, Japan; Yokohama, Japan.

A435  Donor T Cells Undermine the Graft-Protective Effect of DST Plus Anti-CD154
Marcos Iglesias, Maria Chicco, W. P. Andrew Lee, Gerald Brandacher, Giorgio Raimondi. Baltimore, MD.

A436  Anti-Thymocyte Globulin Directly Binds and Functionally Inhibits Allo-Regulatory Myeloid Derived Suppressor Cells
Young S. Lee, Eduardo Davila, Jonathan S. Bromberg, Joseph R. Scalea. Baltimore, MD.

A437  Hsp70 Inhibitor Could Induce Transplant Tolerance through mTORC2/Akt Pathway
Guangxiang Gu, Tianfei Lu, Ning Xu, Qiang Xia. Shanghai, China.

A438  Galangin Promotes Treg Development and Function
Fan Liang, Huihui Fang, Ruochan Zhang, Qirui Chen, Jordi Ochando, Yaqzhong Ding, Jiangnan Xu. Beijing, China; New York, NY.

A439  The LncRNA MALAT1 Induces Tolerogenic DCs and Antigen Specific Tregs Subsequently Mediating Cardiac Allograft Tolerance in Mice via MiR-155/DC-SIGN/IL10 Axis
Maomao Zhang, Jian Wu, Hanlu Zhang, Mingyang Liu, Yang Zheng, Xiangyan Jin, Shuang Li, Qi Zhao, Xianglan Liu, Yong Sun, Bo Yu. Harbin, Heilongjiang, China.

A440  † Loss of HIF-1α in CD4 T Cell Improve Outcome of Mouse Vascularized Osteomyocutaneous Allotransplantation under Costimulation Blockade
Cheng-Hung Lin, Madonna Rica Anggelia, Huang-Yu Yang, Wen-Yu Chuang, Hui-Yun Cheng, Fu-Chan Wei, Gerald Brandacher. Taoyuan, Taiwan; Baltimore, MD.

A441  Umbilical Cords-Derived Mesenchymal Stem Cells Ameliorates Hepatic Ischemia-Reperfusion Injury via Activating the AMPK-mTOR/ULK1 Signaling Pathway Enhanced Autophagy

A442  † Low Intensity Conditioning Protocol for Inducing Chimerism-Based Tolerance in Non-Obese Diabetic Mice
Anita Y. Chhabra, Yimimg Huang, Hong Xu, Andrea Merchak, Suzanne T. Ildstad. Louisville, KY.

Tolerance: Clinical Studies

A443  † The Relative Immunogenicity of HLA Mismatches in Adult Liver Transplant Recipients
Vadim Jucaud, Abraham Shaked, Michele DesMarais, Peter Sayre, Matthew J. Everly. Los Angeles, CA; Philadelphia, PA; Seattle, WA.
A444  † Genome-Wide Association Study Assessing Risk of Rejection in Pediatric Transplant Recipients
Tanya Papaz, Sandar Min, Odelia Lee, Tom Blydt-Hansen, Upton Allen, Yaron Avitzur, Patricia Birk, Bethany Foster, Hartmut Grasemann, Lorraine Hamiwka, Rulan Parekh, Veronique Phan, Simon Urschel, Seema Mital. Toronto, ON, Canada; Winnipeg, MB, Canada; Vancouver, BC, Canada; Montreal, QC, Canada; Calgary, AB, Canada; Edmonton, AB, Canada.

A445 Genome-Wide Association Study of Tacrolimus Dose in Pediatric Solid Organ Transplant Recipients in the CNTRP POSITIVE Study
Sandar Min, Tanya Papaz, Tom Blydt-Hansen, Odelia Lee, Upton Allen, Patricia Birk, Hartmut Grasemann, Lorraine Hamiwka, Catherine Litalien, Vicky Ng, Rulan Parekh, Kathryn Tinckam, Simon Urschel, Bethany Foster, Seema Mital. Toronto, Canada; Winnipeg, Canada; Vancouver, Canada; Calgary, Canada; Montreal, Canada; Edmonton, Canada.

A446 Reduction in Circulating CD19+CD24+CD27+ Regulatory B Cell Frequency Predicts Acute Rejection in Liver Transplant Patients

A447 Association between Everolimus Trough Levels, Onset of Related Adverse Events, and Treatment Discontinuation after Liver Transplantation: 24-Month Results from the H2304 Study

A448 Post-Hoc Analysis of Everolimus Trough Levels around the Onset of Related Adverse Events and Treatment Discontinuation in De Novo Kidney Transplant Recipients from the US92 Study
Poster Session B

Poster Viewing: 6:00 pm – 7:00 pm
Presenters in Attendance: 6:00 pm – 7:00 pm
Hall 4EF

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.

Acute and Chronic Graft Injury

B1 † Metabolic Regulation of Neuropeptides Induces Weight Loss and is Linked to Prolongation of Allograft Survival
Markus Quante, Timm Heinbokel, Koichiro Minami, Yeqi Nian, Abdallah Elkhal, Stefan G. Tullius. Boston, MA; Tuebingen, Germany.

B2 Application of RNA-Seq Derived Diagnostic Algorithms of T-Cell Mediated Kidney Rejection (TCMR) to DNA Microarray-Based Gene Expression Datasets

B3 Thymic Irradiation as a Maneuver for Repertoire Exchange in Costimulatory-Blockade-Based Immunotherapy

B4 p40 Homodimer Induced Proliferation of Endogenous Donor-Reactive Memory CD8 T Cells within High Risk Allografts Requires Memory CD8 T Cell Expression of CD122
Hidetoshi Tsuda, Anna Valujskikh, Robert Fairchild. Cleveland, OH.

B5 Intensified Immunosuppression Improves Early Renal Allograft Function after Transplantation in a Porcine Model with Extended Asystolic Warm Ischemic Time

B6 Comparative Analysis of Alloantigen-Stimulated Gene Expression in HIV(+) Liver Transplant Rejectors versus Non-Rejectors

B7 Regulation of Indoleamine 2,3-Dioxygenase in Porcine Kidney Transplants
Youli Wang, Xuexiu Fang, Dan Kleven, C. S. Ho, Stan Nahman, Todd Merchen. Augusta, GA; Ann Arbor, MI.

B8 Melatonin Prolongs Heart Allograft Survival by Induction of Foxp3+ Regulatory T Cells
Longshan Liu, Qun Su, Yunyi Xiong, Zirong Bi, Huiting Huang, Yanwen Peng, Changxi Wang. Guangzhou, China.

B9 Defining T Cell Subsets Involved in Rejection of Vascularized Composite Allografts

B10 Improved Mouse Renal Transplantation Model Mimicking Clinical Antibody Mediated Rejection
Daqiang Zhao, Tao Liao, Siwen Li, Jing Zhou, Fei Han, Yu Dong, Qiquan Sun. Guangzhou, Guangdong, China; Guangzhou, Guangdong, China.

B11 An In Vitro Model of Human Antibody-Mediated Rejection Depicts Key Role for NK Cells
Luis G. Hidalgo, Maud Racape, Alex Loupy, Carmen Lefaucheur. Edmonton, AB, Canada; Paris, France.
B12 Targeting Histone Deacetylase in Renal Tubular Epithelial Cells Inhibits Amplification of TH1 Cell-Mediated Inflammation
Sunwoo Kang, Yeonghoon Kim, Sukil Seo. Busan, Korea.

B13 Primary Insult to the Native Lungs Are Needed for Antibodies to Lung Self-Antigens, $\Kaketa$-Tubulin and Collagen V, to Be Pathogenic for the Development of Obliterate Airway Disease

B14 Human Urine-Derived Stem Cells Protect Renal Function by Releasing miR-129-5p Which Targets High-Mobility Group Box-1 (HMGB1) in Rat Ischemia Reperfusion Injury Model
Longshan Liu, Xirui Li, Qun Su, Zirong Bi, Huiting Huang, Changxi Wang. New York, NY, China.

B15 Enhancement of Endogenous omega-3 Protect against Ischemia-Reperfusion Renal Injury in Fat-1 Mice
Dae Eun Choi, Young Rok Ham, Ki Ryang Na, Kang Wook Lee, Jwa-Jin Kim, Jin Young Jeong. Daejeon, Korea; Chungbuk, Korea; Daejeong, Korea.

B16 Comparison of Continuous Normothermic Ex Vivo Kidney Perfusion to Hypothermic Preservation Methods in Pig Kidneys Donated after Cardiac Death
Matyas Hamar, Peter Urbanellis, Dagmar Kollmann, Ivan Linares, Moritz Kath, Darius Bagli, Ana Konvalinka, Istvan Mucsi, Anand Ghanekar, Lisa Robinson, Markus Selzner. Toronto, ON, Canada.

B17 A Proteomic Analysis of Kidneys Subjected to Normothermic Ex Vivo Kidney Perfusion (NEVKP) Demonstrates That Metabolism is an Important Determinant of Kidney Function Following Warm Ischemia
Ana Konvalinka, Tomas Tokar, Shelby Reid, Peter Urbanellis, Mátyás Hamar, Moritz Kath, Igor Jurisica, Lisa Robinson, Markus Selzner. Toronto, ON, Canada.

Endothelial Cell Biology

B18 † Assessing the Impact of Flow in Hypothermic Machine Perfusion on Human Venous Endothelium Using a Novel Ex Vivo Model
Yazin Marie, William Ries, Kamlesh Patel, Charlotte Turnbull, Nuor Jamil, Helen Caldwell, Rebecca Telfer, Desley Neil, Jay Nath, Nicholas Inston. Birmingham, West Midlands, United Kingdom; Edinburgh, United Kingdom; Newcastle, Newcastle Upon Tyne, United Kingdom.

B19 † Human Endothelial-Like Cells Transdifferentiated from Peripheral CD14+ Monocytes Inhibit T Cells in Response to Allo-Stimulation
Yuka Tanaka, Hideki Ohdan. Hiroshima, Japan.

B20 A Novel Endothelial Cell Based Complement Dependent Cytotoxicity Test in Kidney Transplantation

B21 Targeting LTβR Classical NFκB Signaling Facilitates Inflammation Resolution

B22 † Subnormothermic Machine Perfusion (SNMP) with Human Hemoglobin(Hb)-Based Oxygen Carriers (HBOCs) perfusate Decreased Hepatocellular Reperfusion Injury of Donation after Cardiac Death (DCD) Donor in Pig Model
Tatsuya Shonaka, Naoto Matsuno, Hiromichi Obara, Ryo Yoshikawa, Yuji Nishikawa, Mikako Gochi, Masahide Otani, Hiroyuki Takahashi, Hiroshi Azuma, Hiromi Sakai, Hiroyuki Furukawa. Asahikawa, Japan; Tokyo, Japan; Nara, Japan.
B23 † Normothermic Ex-Vivo Kidney Perfusion Restores the Genetic Profile of Marginal Kidney Grafts Subjected to Warm Ischemia

B24 New Sensitive Markers for Early Diagnosis of Transplant Glomerulopathy in Kidney Recipients
Yi-chun Xu-Dubois, Kevin Louis, Chantal Jouanneau, David Buob, Nacera Ouali, Alexandre Hertig, Eric Rondeau. Paris, France.

B25 Human Atrial Natriuretic Peptide (hANP) in Cold Storage of Donation after Cardiac Death Livers: A New Tool for Protecting Vascular Endothelia?

B26 Involvement of PD-L1 Upregulation in Anti-A/B Antibody-Induced Graft Accommodation: Reduction of CD4 T Cell Allo-Response against Graft HLA Class II DR

B27 Peripheral but Not Follicular T Helper Cells Are Activated by Allogeneic Human Endothelial Cells under IRI-Like Conditions and Promote Donor Specific Antibody
Whitney W. Fu, Peter S. Yoo, Jordan Pober, Daniel Jane-wit. New Haven, CT.

B28 Targeting Lymphotoxin Signaling in Lymphatics Regulates Immune Sensitization, Elicitation, and Resolution
W. Piao, Y. Xiong, L. Li, V. Saxena, Jonathan Bromberg. MD.

B29 Endothelin A Receptor (ETaR) siRNA Ameliorates Renal Ischemia Reperfusion Injury through Upregulating Expression of eNOS in Rats
Yichen Jia, Long Li, Tongyu Zhu. Shanghai, China.

Heart and VADs: All Topics

B30 † Geographic Variation in the Treatment of Adult Heart Transplant Candidates in the US
William F. Parker, Matthew M. Churperk, Donald Hedeker, Elbert Huang, Edward Garrity, Mark Siegler, Allen S. Anderson. Chicago, IL.

B31 † Liver Biopsy Fibrosis Not Liver Imaging Predicts Survival after Heart Transplant

B32 † The Continuous Debate of Older Donors into Older Recipients: Another Angle

B33 † Amiodarone Use Increases Morbidity Not Mortality in Pediatric Heart Transplant Recipients
Shahnawaz M. Amdani, Aarti Dalal, Kathleen Simpson, Janet Scheel, Aaron Abarbanell, Pirooz Eghtesady, Charles Canter, Chesney Castleberry. St. Louis, MO.

B34 The Combination of pAMR and Circulating Donor-Specific Antibodies is Even More Associated with Cardiac Allograft Vasculopathy after Heart Transplant
B35 Heart Transplant across Low or Moderate Level Donor-Specific Antibodies Have Acceptable Outcome


B37 Impact of Pre-Transplant Non-Dialysis Renal Dysfunction in Heart Transplant Recipients on Post-Transplant ESRD: A UNOS Database Analysis
Sanjeev Akkina, Amishi Desai, Jongwon Yoo, Susan Hou, Ravi Parasuraman. Maywood, IL.

B38 Long-Term Success of Treatment for Cardiac Transplant AMR May Depend Upon Suppressing Class II Donor Specific Antibodies
Jan C. Hofmann, Dana M. Weisshaar, Dobri D. Kiprov. San Francisco, CA; Santa Clara, CA.

B39 The Overriding Importance of HLA-DR Donor-Specific Antibody That is Correlated to CAV after Heart Transplant

B40 Urinary Cell Cycle Arrest Biomarkers as Early Predictors of Acute Kidney Injury Following Advanced Cardiac Replacement Therapies
Susan M. Joseph, Horacio Medel-Martinez, Teodor Bottiglieri, Brandi L. Wasek, Samrat Yeramaneni, Joost Felius, Carmen I. Bonilla, Ogheneovwero Sido, Caleb Gottlich, Brian Lima, Shelley Hall. Dallas, TX.

B41 Increased Length of Stay of the Donor Decreases Heart Transplant Recipient Survival
Hannah Copeland, Rajesh Talluri, Anthony Panos, Richard P. Cochran, Lawrence Creswell, David Baran. Jackson, MS; Norfolk, VA.

B42 Assessing Response to Desensitization: What Makes Sense?

B43 What Threshold MFI is the Luminex 1:8 Dilution the Poor Man’s C1q for Patients Awaiting Heart Transplant?

B44 Hemodynamic and Functional Analysis of Human DCD Hearts Undergoing Normothermic Ex Vivo Perfusion

B45 Impact of Sleep Apnea Syndrome on Late Graft Dysfunction
Aasim Afzal, Kristen M. Tecson, Aayla K. Jamil, Anum Wazir, Joost Felius, Huanying Qin, Puneet S. Garcha, Sandra A. Carey, Shelley Hall. Dallas, TX.

B46 Lymphocyte Proportions Post Thymectomy Are Associated with Allergic Disorders in Heart Transplanted Children
Tiffany B. Kim, Lavinia Ionescu, Nicholas Avdimiretz, Ingrid M. Larsen, Faye Murdoch, Bruce Motyka, Susan Gilmour, Lori J. West, Simon Urischel. Edmonton, AB, Canada; Edmonton, Canada; Toronto, Canada.

Asad Riaz, Oluwafisayo Adebiyi, Dennis Mishler, Muhammad S. Yaqub, Tim Taber, Asif Sharfuddin. Indianapolis.
Outcomes of Subsequent Pregnancies in Female Heart Transplant Recipients
Swati Rao, Dawn P. Armenti, Lisa A. Coscia, Serban Constantinescu, Michael J. Moritz. Philadelphia, PA; Allentown, PA; Tampa, FL.

Chronic Narcotic Use Increases Mortality Rates in Heart Transplantation
Ginger St. John, Themistokles Chamoegorgakis, Hassan Nemeh, Christina Tita, Yelena Selektor, David Lanfear, Celeste Williams. Detroit, MI.

Air Pollution Can Support the Development of Cardiac Allograft Vasculopathy
Christoph L. Bara, Markus J. Barten, Dietmar Boethig, Yves Scheibner, Johannes Tauber, Hermann Reichenspurner, Axel Haverich. Hannover, Germany; Hamburg, Germany.

Pre-Transplant Memory Patients Even without Detected Antibody Are at Rejection Risk in the First-Year after Heart Transplantation

Cardiac MRI May Help to Determine When to Refer Heart Transplant Patients for Redo Heart Transplant

Safety and Efficacy of Rabbit Anti-Thymocyte Globulin Induction in Pediatric Patients Undergoing Cardiac Transplantation

Is Renal Function after Heart Transplantation an Issue for Patients with Cardiac Amyloidosis?
B62 Combined Heart–Kidney Compared to Isolated Heart Transplant in Patients with Chronic Kidney Disease - A Single Center Experience
Daniel Gauvin, Anshul Bhalla, Wendy McCallum, Amanda Vest, Nitender Goyal. Boston, MA.

B63 Risk of Infection in Treatment of Acute Cellular Rejection in Heart Transplant Recipients
Tara Fallah, Angela T. Logan, Amy Rumore, Christina Doligalski. Tampa, FL; Chapel Hill, NC.

B64 Incidence of Pneumonitis in Heart Transplant Patients Started on a Proliferation Signal Inhibitor

B65 IVIG Induction May Be Helpful in Highly Sensitized Patients after Heart Transplantation

B66 Decreased Post Heart Transplant Survival with Epstein-Barr Virus Mismatch in the Current Era

B67 Left Ventricular Assist Devices Complicated by Gastrointestinal Bleeding and Outcomes on Transplant
Lindsey Aurora, Omar Sadiq, Hassan Nemeh, Celeste T. Williams. Detroit.

B68 Early Adjunctive Treatment with Human Cytomegaly Virus (CMV) Immunoglobulin Increased CMV-Free Survival after Heart Transplantation

B69 Outcomes after Cardiac Transplantation for Adult Congenital Heart Disease in the Modern Era
Xue Zeng, Ryan Vela, Jessica Pruszynski, Joseph Martinez, Steves Ring, Matthias Peltz. Dallas, TX; Dallss, TX.

B70 The Renal Sparing Protocol after Heart Transplant That Keeps Giving

B71 Heart Transplantation in Patients with Complex Congenital Heart Disease

B72 Deep Vein Thrombosis in Heart Transplant Patients
Geetha Bhat, Tasha Setia, Cheryl Nguyen, Ivy Balanlayos, Anne-Gillian Roska, Ambar Andrade, William Cotts, Gregory Macaluso, Sunil Pauwaa, Michael Bresticker, Antone Tatoolees, Patroklos Pappas. Oak Lawn, IL.

B73 Late Donor-Specific Antibody (Especially Class II) Development is Associated with an Increased Risk for Cardiac Allograft Vasculopathy

Islet Cell and Cell Transplantation

B74 † The Study of the Influence on hIAPP Deposition and Dysfunction in INS-1 Cell by Calcineurin Inhibitors
Jialin Zhang, Wu Lv, Chenguohu Zhang, Ning Sun, Xiaohang Li, Yue Shi, Ao Jiao, Jianzhen Lin, Yi Lv. Shenyang, Liaoning, China.
B75 † Pancreas Decellularization Protocol – Comparison of Methods
Andrzej Berman, Kamil Karzynski, Marta Serwanska-Swientek, Natalia Pilka, Marta Klak, Katarzyna Kosowska, Justyna Cichon, Filip Ambrozkiewicz, Michal Wszola. Otwock, Poland.

B76 † Evaluation of Culture/Preservation Conditions on Human Islet Survival and Function
Yoshitaro Shindo, Marlon F. Levy, Mazhar A. Kanak. Richmond, VA.

B77 † Extracellular Matrix from Pancreas Improves Human Islet Function In Vitro

B78 † Analysis of Human Islet Damage during In Vitro Culture Using miRNA 375

B79 † Changes in Gene Expression of Selected Genes in Patient with Type 1 Diabetes in Peripheral Blood
Marta Klak, Justyna Cichon, Filip Ambrozkiewicz, Andrzej Berman, Marta Serwańska-Świętek, Michal Wszoła. Warsaw, Poland.

B80 Ex-Vivo Pretreatment of Islets with Mitomycin-C Have a Potential to Induce Specific Immune Response for Peripheral Tolerance

Kidney Deceased Donor Allocation

B81 Assessing Renal Transplant Candidate Survival at Listing Using a Risk-Adjusted Multi-State Semi-Markov Model
Sanjay Mehrutra, Vikram Kilambi. Evanston, IL; Boston, MA.

B82 Quantification of the Indirect Effect of Recipient Characteristics on Kidney Graft Function

B83 The Kidney Allocation System from the Perspective of a Small Program in a Donor Service Area
Kevin Brown, Sharon Hill, Lorie Lipscomb, Alice Jones, Susan Hanna, Joseph Africa. Cleveland, OH; Charleston, WV.

B84 “I’ll Be Back”: Increasing Readmission Rates in the Era of the New Kidney Allocation System

B85 The Brazilian Epitope Virtual Crossmatch Protocol: A Reliable Tool for Increasing Kidney Allocation among Highly Sensitized Patients

B86 † Kidney after Liver Transplant: A Matched Pair Analysis
M. Eerhart, J. Reyes, J. Danobeitia, L. Zitur, P. Chlebeck, L. Fernandez. Madison, WI.
B87 † Evanescent Antibodies: A Report on the Natural History of Anti-Blood Group A2 Antibodies and Their Rapid Resolution in Patients Awaiting A2 to B Transplantation
Shannon Radomski, Sandra Rosen-Bronson, Dong Li, Mariam Awwad, Gayle Vranic, Basit Javaid, Peter Abrams, Soo Yi, Matthew Cooper, Alexander Gilbert. Washington, DC.

B88 One-Year Graft Survival for Longevity Matched Kidneys in the Post-KAS Era
Amber R. Wilk, Mark Aeder, Vincent Casingal, Nicole Turgeon. Richmond, VA; Cleveland, OH; Charlotte, NC; Atlanta, GA.

B89 Temporal Changes in Impact of HLA Mismatch among Pediatric Kidney Transplant Recipients

B90 Non-Immunologic Pairing of Kidney Transplant Donors and Recipients: How Important is HLA Match Status?

B91 Prospective Validation of Prediction Models for Kidney Discard
Sheng Zhou, Allan Massie, Courtenay Holscher, Madeleine Waldram, Dorry Segev. Baltimore, MD.

B92 Does Prolonged Cold Ischemia Affect Outcomes in Donation after Cardiac Death Kidney Transplants?
David I. Harriman, Jeffrey Rogers, Alan Faneey, Giuseppe Orlando, Amber Reeves-Daniel, Michael Gautreaux, William Doares, Scott Kaczmorski, Robert J. Stratta. Winston-Salem, NC.

B93 A New Reality: Virtual Crossmatch Can Be Used Successfully as Pre-Transplant Compatibility Testing for Most Deceased Donor Transplants at a High Volume Center

B94 DonorNet and Biases in Decision-Making: An Organ Offer Simulation Study

B95 A Decade of Dual Kidney Transplantation Reveals Excellent Patient Outcomes from Otherwise Discarded Organs
Ibrahim Rajput, Shahid Farid, Abdul Hakeem, Mohammed Jameel, Niaz Ahmad, Omar Masood. Leeds, United Kingdom.

B96 † Transplant Benefit to Patients with Long Dialysis Vintage

B97 Race and Socioeconomic Disparities in Organ Type, Recovery and Readmission in Kidney Transplant Recipients
Alice Crane, Tyler Coy, Nitin Yerram, Mohamed Eltemamy, Emilio Poggio, Richard Fatica, Alvin Wee, Charles Modlin, Venkatesh Krishnamurthi. Cleveland.

B98 Two Decades of Eurotransplant Senior Program (ESP): Time on Dialysis Independently Impacts Patient Survival, Allograft Survival and Quality of Life after Kidney Transplantation
Thomas Schachtner, Natalie M. Otto, Petra Reinke. Berlin, Germany.

B99 Exploring the Impact of Recipient Age with Kidney Donor Risk Index and Estimated Glomerular Filtration Rate at One Year Following Kidney Transplant
Samuel Chan, Mark D. Chatfield, Keshwar Baboolal. Adelaide, South Australia, Australia; Brisbane, Queensland, Australia.
B100  Sharing Works; Avoiding Kidney Transplantation to an Unintended Recipient by Precision Virtual Cross Match with Excellent Outcomes

B101  Short-Term Outcome Prediction Model in Deceased Donor Kidney Transplant Recipients
Kellie Archer, Yiran Zhang, Sai Vineela Bontha, Enver Akalin, Lorenzo Gallon, Daniel Maluf, Valeria Mas. Columbus; Charlottesville; New York; Chicago.

B102  Many Highly Sensitized Candidates Still Waiting for Transplant Despite the Kidney Allocation System Change: Making the Case for Incompatible Transplantation
Carrie A. Schinstock, Byron Smith, Andrew Bentall, Mark D. Stegall. Rochester, MN.

B103  Kidney Transplantation in Older Recipients: Preemptive High KDPI Kidney vs. Lower KDPI Kidney after Varying Dialysis Vintage
Bhavna Chopra, Sabiha Hussain, Kalathil K. Sureshkumar. Pittsburgh, PA.

B104  State of the Union: Outcomes of a Single Center’s A2-to-B Transplants Two Years after the Implementation of KAS
Shannon Radomski, Sandra Rosen-Bronson, Dong Li, Mariam Awwad, Gayle Vranic, Basing Javid, Peter Abrams, Soo Yi, Matthew Cooper, Alexander Gilbert. Washington, DC.

B105  Informatics Tools for Mapping Molecular HLA Typing Data to UNOS Antigen Equivalencies
Navchetan Kaur, Evan Kransdorf, Marcelo Pando, Martin Maiers, Loren Gragert. New Orleans; Los Angeles; Temple; Minneapolis.

B106  A Calculated Panel Reactive Antibody (CPRA) Calculator Supporting Both Allele-Level and Antigen-Level HLA Specificities
Loren Gragert, Evan Kransdorf, Navchetan Kaur, Martin Maiers, Jon Kobashigawa, Marcelo Pando. New Orleans; Minneapolis; Los Angeles; Temple.

B107  Ethnic Disparities in Elderly Patients Receiving Kidney Transplantation
Iman Bajjoka, Alexander Yaldo, Catherine Crombez, Marwan Abouljoud. Detroit, MI.

B108  External Validation of Hennepin Transplant Risk Score for Prediction of Short-Term Mortality and Morbidity after Deceased Kidney Transplantation
Arzu Velioglu, Madhusudan Vijayan, Ho Sik Shin, Jacqueline Perry, Anil Chandraker. Istanbul; Istanbul, Turkey; Busan, Korea.

B109  Evolution of Very Old Donor Grafts

B110  Early Outcomes and Risk Factors after Five Years of a Nationwide Strategy for Kidney Transplantation with Controlled Circulatory Death Donor (cDCD)

B111  Kidney Transplant Outcomes in Patients with CPRA Values > 98% after Implementation of the New OPTN/UNOS Kidney Allocation System (KAS): A Single Center Study Update
B112  Should Kidneys from Donation after Cardiac Death Expanded Criteria Donors Be Transplanted? David I. Harriman, Jeffrey Rogers, Alan Farney, Giuseppe Orlando, Amber Reeves-Daniel, Michael Gautreaux, William Doares, Scott Kaczmarowski, Robert J. Stratta. Winston-Salem, NC.

B113† Frailty, Inflammation, and Waitlist Mortality among Patients with End-Stage Renal Disease Mara McAdams DeMarco, Hao Ying, Alvin Thomas, Fatima Warsame, Ashton Shaffer, Christine Haugen, Jacqueline Garonzik Wang, Niraj Desai, Silas Norman, Dorry Segev. Baltimore; Ann Arbor.

B114 Greater Access to Kidney Transplantation in Competitive DSAs: Due to Improved Referral? Joel T. Adler, David C. Chang, Heidi Yeh. Madison, WI; Boston, MA.


B116 Reliability of Deceased Donor Procurement Biopsy Images at the Time of Kidney Allocation Sherry G. Mansour, Isaac E. Hall, Peter Reese, Yaqi Jia, Heather Thiessen-Philbrook, Gilbert Moeckel, Francis Weng, Patricia M. Revelo, Mazdak A. Khalighi, Anshu Trivedi, Mona D. Doshi, Bernd Schroppel, Chirag R. Parikh. New Haven; Salt Lake City; Philadelphia; Livingston; Hartford; Detroit; Ulm, Germany.

B117 Effect of Kidney Allocation System on a Solitary, Isolated, Rural Transplant Program Kevin Brown, Sharon Hill, Lorie Lipscomb, Alice Jones, Joseph Africa. Cleveland, OH; Charleston, WV.


B119 Generation of Calculated Panel-Reactive Antibody Values Using a Reference Panel of Bone Marrow Donors E. Kransdorf, L. Gragert, M. Pando, N. Kaur, J. Patel, I. Kim, X. Zhang, M. Maiers, J. Kobashigawa. Los Angeles, CA; New Orleans, LA; Temple, TX; Minneapolis, MN.

Kidney Immunosuppression: Induction Therapy

B120† Preemptive Rituximab in Focal and Segmental Glomerulosclerosis Patients at Risk for Recurrence after Transplantation Pilar Auñon, Natalia Polanco, Maria Jose Perez, Emilio Rodrigo, Asuncion Sancho, Julio Pascual, Amado Andres, Manuel Praga. Madrid, Spain; Barcelona, Spain; Santander, Spain; Valencia, Spain.

B121† Immunosuppression and the Risk of Dementia among Older Kidney Transplant Recipients Mara McAdams DeMarco, Christine Haugen, Sunjae Bae, Krista Lentine, Dorry Segev. Baltimore; St. Louis.


B124 Induction Type and Outcomes in HLA-DR Mismatch Kidney Transplantation Kalathil K. Sureshkumar, Sabiha M. Hussain, Bhavna Chopra. Pittsburgh, PA.
B125  Pharmacogenetics of CYP3A4, CYP3A5, CYP2C8 and CYP2C19 and Their Influence on Tacrolimus Pharmacokinetics in Renal Transplant Recipients
Zijie Wang, Zhijian Han, Jun Tao, Hao Chen, Li Sun, Ruoyun Tan, Min Gu. Nanjing, Jiangsu, China.

B126  Differences in Rejection and Clinical Outcomes in Obese versus Non-Obese Renal Transplant Recipients Receiving Basiliximab Induction Immunosuppression
Jamie Benken, Clare Kane, Alicia Lichvar, Enrico Benedetti. Chicago, IL.

B127  Impact of Immunogenicity on Kidney Allograft Survival in Patients Treated with Induction Therapy
Dulat Bekbolsynov, Beata Mierzejewska, Michael Rees, Jorge Ortiz, Obi Ekwenna, Stanislaw Stepkowski. Toledo.

B128  A Meta-Analysis for Induction Therapy of Kidney Transplantation: Comparison of Antithymocyte Globulin and Interleukin 2 Receptor Antagonist

B129  Outcomes Associated with Rabbit Anti-Thymocyte Globulin Induction According to Mg/Kg of Total Body Weight in Kidney Transplant Recipients
Andrew J. Brueckner, Angela T. Logan, Lyndsey J. Bowman. Tampa, FL.

B130  The Efficacy and Safety of Rituximab as Induction Therapy in Kidney Transplantation: A Meta-Analysis of Randomized Controlled Trials
Xianding Wang, Junru Chen, Xiang Tu, Yang Qiu, Turun Song, Tao Lin. Chengdu, Sichuan Province, China.

B131  Lack of Efficacy of Eculizumab for Prevention of Delayed Graft Function (DGF) in Deceased Donor Kidney Transplant Recipients
P. Heeger, E. Akalin, M. Baweja, R. Bloom, S. Florman, B. Haydel, D. Hricik, S. Kulkarni, A. Mehrotra, A. Patel, E. Poggio, L. Ratner, S. Schröppel, R. Shapiro. NY, NY; Phila, PA; Cleveland, OH; New Haven, CT; Livingston, NJ.

B132  Higher Rates of Rejection in HIV-Infected Kidney Transplant Recipients on Ritonavir-Boosted Protease Inhibitors—Three-Year Follow Up

B133  Comparison of De Novo Rapamune versus Everolimus Maintenance Immunosuppression; an Interim Analysis
Ronald Pelletier, Amer Rajab, Mitchell Henry, Ginny Bumgardner. Columbus, OH.

B134  Safety and Efficacy of Real-World Use of Everolimus for Kidney Transplant Patients: Post-Marketing Surveillance in Japan
Hiroshi Harada, Yoshihiko Watarai, Junji Uchida, Osamu Kamisawa. Sapporo, Japan; Nagaya, Japan; Osaka, Japan; Tokyo, Japan.

B135  Optimal Protocol for ABO Incompatible Kidney Transplantations: Analysis of 400 Cases in a Single Center Experience
Hyunwook Kwon, Young Hoon Kim, Ji Yoon Choi, Sung Shin, Joo Hee Jung, Min Jae Cho, Jee Yeon Kim, Duck Jong Han. Seoul, Korea.

B136  Early Allograft Biopsy in Kidney Transplant Recipients with DGF – Call for an Individualized Approach
Adarsh Vijay, Lauren Barrison, Matthew Cooper, Seyed Ghasemian. Washington, DC.
B137  Optimal Anti-Thymocyte Globulin Dose for Induction Immunosuppression in Kidney Transplantation
Anatoly A. Mitrokhin, Jason D. Goldman, Bharti Trivedi, Vijay Vidyasagar, Nidyandanhd Vadhivel, Marquis E. Hart. Seattle, WA.

B138  Risk of Bacteremia According to Transplant Induction Immunosuppression Regimen

B139  A Comparison of Alemtuzumab versus Antithymocyte Globulin Induction in High-Risk, Non-Sensitized Renal Transplant Recipients
Shree Patel, Alicia Lichvar, Enrico Benedetti, Patricia West-Thielke. Chicago.

B140  The Influence of Rabbit Antithymocyte Globulin (rATG) Dose on the Incidence of CMV Infection in Kidney Transplant Recipients Receiving No Pharmacological Prophylaxis. A Propensity Score Matched Cohort Analysis
Mayara Ivani de Paula, Sunjae Bae, Jacqueline Garonzik-Wang, Claudia R. Felipe, Marina P. Cristelli, Allan B. Massie, Jose Medina-Pestana, Dorry Segev, Helio Tedesco Silva Junior. Baltimore, MD; Sao Paulo, Brazil; Baltimore, MD, Brazil.

B141  † Once-Daily versus Twice-Daily Tacrolimus in De Novo Living Kidney Transplantation Patients: A Multicenter, Parallel Group, Open-Label, 5-Year Randomized Noninferiority Trial
Yoichi Kakuta, Masayoshi Okumi, Kohei Unagami, Miyuki Furusawa, Hideki Ishida, Kazunari Tanabe. Tokyo, Japan.

B142  Anti-Thymocyte Globulin vs. Alemtuzumab: A Comparison of Long-Term Outcomes among Renal Transplant Recipients
Erin Loncharic, Adam Dodson, Kristofer Gutierrez. Birmingham, AL.

B143  Alemtuzumab Induction is Effective and Safe in Elderly Kidney Transplant Recipients
Alexander Toledo, Kristen Szempruch, Pablo Serrano, Kenneth Andreoni, Tomasz Kozlowski. Chapel Hill.

B144  Developing a Rationale for an Appropriate Immunosuppressive Regimen in Lung vs Kidney Transplant Recipients: Effects of Induction Therapy
Paloma L. Martin-Moreno, Ho Sik Shin, Hillary J. Goldberg, Anil Chandrakar. Boston, MA; Pamplona, Spain; Busan, Korea.

B145  Adjusted Body Weight Dosing of Rabbit Antithymocyte Globulin in Obese Renal Transplant Recipients Preserves Excellent Clinical Outcomes at 3 Years and Improves the Value of Care
Jillian Dann, Avinash Agarwal, Michelle Bradley, Winston Ally. Charlottesville, VA.

B146  Thymoglobulin Dose and Effect on Short-Term Kidney Transplant Outcomes

B147  Basiliximab Induction in HIV-Positive Renal Transplant Recipients Compared to an HIV-Negative Cohort
Jamie Schulte, Chad Richardson, Valentina Stosor, Katie Cunningham, Carly D’Agostino, Clare Kane. Chicago.

B148  † Basiliximab Induction in Simultaneous Liver-Kidney Transplant

B149  A Protocol for the Management of Alemtuzumab Induced Leukopenia in Kidney Transplant Recipients
Sara Hammad, Bharath Ravichandran, Mackenzie Crist, Brian Masters. Baltimore.
B150  Survey of Rabbit Anti-Thymocyte Globulin Usage for Kidney Transplant Induction Therapy in the United States
Keith Foster, Adam Dodson, Kristofer Gutierrez. Birmingham, AL.

B151  Impact of Single Nucleotide Polymorphisms on P450 Oxidoreductase and Peroxisome Proliferator-Activated Receptor alpha on Tacrolimus Pharmacokinetics in Renal Transplant Recipients
Zijie Wang, Zhijian Han, Jun Tao, Hao Chen, Sun Li, Ruoyun Tan, Min Gu. Nanjing, China.

B152  Individualized Immunosuppression through Risk-Stratification in Renal Transplantation Preserves Excellent Outcomes at Three Years
Jillian Dann, Avinash Agarwal, Michelle Bradley, Jennifer Geyston, Winston Ally. Charlottesville, VA.

B153  Age Stratified Efficacy and Safety Outcomes of Induction Immunosuppression in Renal Transplantation
Danielle McKimmy, Hillary Kuzaro, Sagune Sakya, Kristen Belfield, Elizabeth Cohen. New Haven, CT; West Hartford, CT; Storrs, CT.

B154  Successful Transplantation in a Sensitized Patient Allergic to Commercially Available Antibody Induction Agents
Karthikeyan Venkatachalam, Andrew Malone. St. Louis, MO.

B155  Single Reduced Dose Thymoglobuline as Induction in Kidney Retransplant
Kamilla Linhares-Silva, Marina Pontelo Cristelli, Laila Almeida Viana, Claudia Rosso Felipe, Henrique Proença, Renato de Marco, José Osmar Medina-Pestana, Helio Tedesco Silva Junior. São Paulo, Brazil.

B156  The Impact of Marginal Factors on Postoperative Kidney Function of Complex Living Donors for Kidney Transplantation

B157  Obesity is Associated with Increased Risk of Mortality among Living Kidney Donors

B158  Clinical Utility and Interpretation of CKD Stages in Living Kidney Donors
Allan Massie, Macey Henderson, Fawaz Al Ammary, Jon Snyder, Dorry Segev. Baltimore; Minneapolis.

B159  Radioisotopic Evaluation of Glomerular Filtration Rate (GFR) before and 1 Year after Kidney Donation for Transplantation: The Concept of Estimated Renal Functional Reserve (eRFR)
Vincenzo Cantaluppi, Gabriele Guglielmetti, Marta Mora, Andrea Airoldi, Federica Orsini, Marco Quaglia, Gian Mauro Sacchetti, Claudio Ronco. Novara, Italy; Vicenza, Italy.

B160  CT Based Anthropometric Visceral Fat Measures Predict Complexity, Complications and Low Clearance in Living Donor Nephrectomy

B161  Follow-Up Care of Living Kidney Donors
Ngan N. Lam, Krista L. Lentine, Brenda Hemmelgarn, Scott Klarenbach, Robert R. Quinn, Anita Lloyd, Sita Gourishankar, Amit X. Garg. Edmonton, AB, Canada; St. Louis, MO; Calgary, AB, Canada; London, ON, Canada.
B162 Mortality of Live Kidney Donors in the UK: 15 Year Comparative Cohort Study
Nithya Krishnan, Lisa Mumford, Graham Lipkin, Simon Fletcher, Indranil Gupta, Paramjit Gill, Ronan Ryan, Neil Raymond. Coventry, United Kingdom; Bristol, United Kingdom; Birmingham, United Kingdom.

B163 Long-Term Effect of BMI on Renal Function in Asian Living Kidney Donors
Joon Chae Na, Jee Soo Park, Min-Gee Yoon, Hyung Ho Lee, Young Eun Yoon, Kyu Ha Huh, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Woong Kyu Han. Seoul, Korea; Goyang-si, Korea.

B164 Long-Term Follow Up of Living Kidney Donors with CKD at 1 Year after Nephrectomy
Joon Chae Na, Jee Soo Park, Min-Gee Yoon, Hyung Ho Lee, Young Eun Yoon, Kyu Ha Huh, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Woong Kyu Han. Seoul, Korea; Goyang-si, Korea.

B165 Development of a Screening Tool to Predict Chronic Kidney Disease Risk in Post-Nephrectomy Living Kidney Donors
Joon Chae Na, Jee Soo Park, Min-Gee Yoon, Hyung Ho Lee, Young Eun Yoon, Kyu Ha Huh, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Woong Kyu Han. Seoul, Korea; Goyang-si, Korea.

B166 Long-Term Renal Function in Living Kidney Donors with Renal Cysts

B167 The Effect of Donor Nephrectomy in the Older Living Kidney Donor: Single Centre Experience

B168 Delayed Recovery of Renal Function after Donor Nephrectomy
Joon Chae Na, Jee Soo Park, Min-Gee Yoon, Hyung Ho Lee, Young Eun Yoon, Kyu Ha Huh, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Woong Kyu Han. Seoul, Korea; Goyang-si, Korea.

B169 Is It Better Choice to Perform Kidney Transplantation for Elderly CKD Patients?
Ryoichi Imamura, Koichi Tsutahara, Kazuaki Yamanaka, Masataka Kawamura, Shigeaki Nakazawa, Taigo Kato, Toyoftumi Abe, Hidefumi Kishikawa, Naotsugu Ichimaru, Kenji Nishimura, Seiji Yamaguchi, Norio Nonomura. Suita, Japan; Osaka, Japan; Nishinomiya, Japan.

B170 Equivalent Post-Donation eGFR after Robotic Assisted versus Laparoscopic Living Donor Nephrectomy
Rosemary Cross, Harrison Pollinger, Miguel Tan, Matthew Mulloy, Thuy Ommert, Alexa Ray, Christina Klein. Atlanta, GA.

B171 Change of Bone and Mineral Metabolism in Kidney Donors after Uninephrectomy; Prospective Observational Study
Eun Jeong Ko, Hyuk Jin Cho, Bum Soon Choi, Cheol Whee Park, Yong-Soo Kim, Chul Woo Yang, Byung Ha Chung. Seoul, Republic of Korea.

B172 Impact of Overseas Organ Transplantation on Outcome of Kidney Transplant Patients
Mahnibanu Mammadli, Hikmet Ismayilov, Aygun Asgarli, Fariz Babayev, Ilham Hemidov, Rauf Shahbazov. Baku, Azerbaijan; Istanbul, Turkey; Charlottesville, VA.

B173 Investigating the Variability of Fluid Resuscitation during Laparoscopic Donor Nephrectomy
Aaron M. Williams, Sathish S. Kumar, Randall S. Sung, Kenneth J. Woodside, Michael J. Englesbe, Mitch Alameddine, Seth A. Waits. Ann Arbor, MI.
B174 † Durable Donor Hematopoetic Stem Cell (HSC) Chimerism is Associated with Protection from Native Renal Disease Recurrence in Recipients of Combined HSC/Kidney Transplants

B175 High Prevalence of Kidney Transplant-Associated Thrombotic Microangiopathy after ABO-Incompatible Kidney Transplantation: Risk Factors, Rapid Clinical Diagnosis, and Prompt Successful Treatment
Kazunari Tanabe, Masayoshi Okumi, Kohei Unagami, Yoichi Kakuta, Masashi Inui, Hideki Ishida. Tokyo, Japan.

B176 Components of Microvascular Inflammation (MVI) in Kidney Transplant Biopsies (KTxBX) Impacting Late Death Censored Graft Failure (DCGF)
Joseph Grande, Lawrence Hunsicker, Robert LeDuc, Arthur Matas, The DeKAF Consortium. Rochester, MN; Iowa City, IA; Minneapolis, MN.

B177 † Does the End Justify the Means? An Analysis of Outcomes in Recipients of Combined Kidney/Hematopoietic Stem Cell (HSC) Transplants and Comparison to Standard of Care (SOC) Patients

B178 Pre-Kidney Transplant Inflammation and Post-Transplant Outcomes.
Hao Ying, Mara McAdams DeMarco, Dorry Segev. Baltimore, MD.

B179 Graft Failure in Recurrent IgA Nephropathy Following Living Kidney Transplantation: Predictive Factors Analysis of 102 Biopsies
Jin Zhang, Jiang Qiu, Guodong Chen, Changxi Wang, Lizhong Chen. Guangzhou, Guangdong, China.

B180 Kidney Transplant Outcome in the Patients with Lupus Nephritis
Yong Chul Kim, Hajeong Lee, Ho Jun Chin, Yon Su Kim, Seung Seok Han. Seoul, Republic of Korea; Seong-Nam, Republic of Korea.

Kidney Psychosocial

B181 † Non-Medical Factors Predict Receipt and Type of Kidney Transplant

B182 † Objective Markers of Frailty Predict Successful Listing and Survival for Renal Transplant
Amit D. Tevar, Kristina Lemon, Christine Wu, Nirav Shah, Rajil Mehta, Chetan M. Puttarajappa, Puneet Sood, Sundaram Hariharan, Armando Ganoza, Martin Wijkstrom, Michele Molinari, Abhinav Humar, Yisi Wang, Jennifer L. Steel. Pittsburgh, PA.

B183 Facilitators and Barriers to Patient Portal Use among Pre- and Post-Kidney Transplant Patients at an Urban Center in the United States
Mark B. Lockwood, Karen Dunn-Lopez, Heather Pauls, Larisa Burke, Yolanda Becker, Mild Saunders. Chicago, IL.

B184 † Effect of Functional and Cognitive Impairment on Readmissions in Geriatric Renal Transplant Recipients

B185 Validation of the PROMIS-57 and PROMIS-29 Questionnaires in Kidney Transplant Recipients
Evan Tang, Aarushi Bansal, Sarah Cao, Madeline Li, Marta Novak, Istvan Mucsi. Toronto, Canada.

B186 Experiences, Perceptions, and Concerns about Successful Aging among KT Candidates and Recipients
Fatima Warsame, Sarah Rasmussen, Ann Eno, Alexandra Mountford, Christine Haugen, Mara McAdams-DeMarco, Dorry Segev. Baltimore, MD.
**B187**  
Effects of Health Literacy and Numeracy Literacy on Adherence, Quality of Life and Readiness to Transition in Pediatric Renal Transplant Recipients  
Margo Kamel, Courtney McCracken, Alexandria Wilkenso, Nneka M. Alexander, Julie Gazmararian, Roshan P. George. Atlanta, GA.

**B188**  
Impact of Psychosocial Variables on Renal Allograft Rejection Risk: A Multivariate Analysis  
David J. Chernobylsky, Katherine P. Carsky, Colleen E. McDermott, Peter C. Ferrin, Ricardo Fernandez, India Ganes, Mary Killackey, Rubin Zhang, Anil Paramesh, Joseph F. Buell. New Orleans, LA.

**B189**  
Psychotic Disorders and Outcomes after Kidney Transplantation  

**B190**  
Outcomes in Renal Transplant Recipients with Bipolar Disorder: A Large Retrospective Cohort  

**B191**  
Transplantation Tourism and Recipients Perspectives and Experience  
Fatma Al Rahbi, Issa Al Salmi. Muscat, Oman.

**B192**  
The Influence Factors of DCD Donors’ Family Members’ Willingness in Chinese Current Status (Hunan Province Experience)  
Baoren Tu, Cai Li, Cuiying Li, Shu Liu, Yujun Zhao, Xingguo She, Yingzi Ming. Changsha, Hunan, China.

**B193**  
Cognitive Impairment Influences Transplant Eligibility  

**B194**  
The Internet as a Source of Transplant-Related Information for New Kidney Transplant Candidates  
Whitney W. Fu, Nathan Chai, Peter S. Yoo. New Haven, CT.

**B195**  
Benefit of Patient Portal Usage in Non-High Risk Kidney Transplant Recipients  
Adena J. Osband, Jason T. Machan, Paul Morrissey. Providence, RI.

**B196**  
Evaluating PROMIS-57 Domains to Screen for Anxiety and Depression Using Legacy Instruments among Kidney Transplant Recipients  
Aarushi Bansal, Oladapo Ekundayo, Evan Tang, Farzad Khalafi, Heather Ford, Madeline Li, Marta Novak, Istvan Mucsi. Toronto, ON, Canada.

**B197**  
The Incidence and Risk Factors for Non – Adherence to Medical Treatment among Patients after Kidney Transplantation  
Tiki Mashraki, Benaya Rozen-Zvi, Eytan Mor, Alexander Yussim, Chagacu Avry, Ruth Rahamimov. Petach Tikva, Israel; Ariel, Israel; Tel- Aviv, Israel.

**B198**  
Validation of Edmonton Symptom Assessment Survey in Kidney Transplant Recipients (KTR)  

**B199**  
Potential Barriers to Renal Patient Care: Perspectives of Dialysis and Transplant Social Workers  
Dandrich Lim, Anita Patel, Nadeen Khoury, Rohini Prashar. Detroit, MI.

**B200**  
Cognitive Function and Health Literacy Assessment Outcomes in the First Months after Renal Transplant in a Diverse Single Center Population  
Jennifer Trofe-Clark, Wanda Gbemudu, Stephanie Hamel, Justine Shults, Robin Neubauer, Sharon Ryan, Mary Kaminski, Deirdre Sawinski, Simin Goral, Melissa Bleicher, Mary Ann Lim, Roy D. Bloom, Peter P. Reese. Philadelphia, PA.
A Theoretical Framework to Explain Factors That Impact Completion of the Medical Evaluation Process for African American (AA) End-Stage Renal Disease (ESRD) Patient
Camilla W. Nonterah, Heather M. Gardiner, Dylan T. Vavra. Richmond, VA; Philadelphia, PA.

A Mobile App to Improve Medication Adherence in Kidney Transplant Recipients – Analysis of a Prospective Interventional Study
Fabian Halleck, Sebastian Georgi, Dmytro Khadzhynov, Danilo Schmidt, Eva Schrezenmeier, Lukas Lehner, Petra Glander, Klemens Budde, Oliver Staeck. Berlin, Germany.

Quality of Life after Kidney Transplant in Andalucia (Spain)

Associations among Physical Fitness/function, Pain and Depression in Kidney Transplant Patients
Alexandra Kastelz, Ivo Tzvetanov, Bo Fernhall, Aneesha Shetty, Lorenzo Gallon, Greg Hachaj, Enrico Benedetti. Chicago, IL.

Pregnancy Outcomes in Kidney Recipients with Lupus Nephritis
Swati Rao, Lisa A. Coscia, Dawn P. Armenti, Michael J. Moritz, Serban Constantinescu. Philadelphia, PA; Allentown, PA; Tampa, FL.

Patient Experience after Kidney Transplant: Factors That Lessen the Burden of Treatment after Kidney Transplant
Elizabeth C. Lorenz, Jason S. Egginton, Mark D. Stegall, Raymond L. Heilman, Sumi S. Nair, Martin L. Mai, David T. Eton. Rochester; Scottsdale; Jacksonville.

Kidney: Pediatrics

Urinary Proteomics as a Diagnostic Mean for Chronic Humoral Rejection after Pediatric Kidney Transplantation
Lars Pape, Anette Melk, Petra Zürbig, Nele Kanzelmeyer. Hannover, Germany; Hanover, Germany.

FSGS Recurrence and Graft Survival in Pediatric Renal Transplants: A NAPRTCS Registry Analysis
Lee J. Koh, Karen Martz, Tom Blydtt-Hansen. Auckland, New Zealand; Rockville; Vancouver, Canada.

Patient and Transplant Outcome in Infants Starting Renal Replacement Therapy before Two Years of Age
Julien Hogan, Jerome Harambat, Etienne Berard, Cecilie Couched, Marie-Alice Macher. Atlanta, GA; Paris, France; Bordeaux, France; Nice, France.

Renal Transplant Outcomes in Recipients Weighing 8-10 Kilograms

Long-Term Follow-Up of Pediatric Kidney Recipients Who Received Alemtuzumab Induction
David Harriman, Ashton Chen, Jeffrey Rogers, Robert Stratta, Giuseppe Orlando, Andrew South, Jen-Jar Lin, Alan Farney. Winston-Salem, NC.

Single-Dose Pharmacokinetics and Pharmacodynamics of Belatacept in Adolescent Kidney Transplant Recipients
Asha Moudgil, Vikas Dharnidharka, Daniel Feig, Barry Warshaw, Vidya Perera, Bindu Murthy, Mustimbo Roberts, Martin Polinsky, Robert Ettenger. Washington, DC; St. Louis, MO; Birmingham, AL; Atlanta, GA; Lawrenceville, NJ; Los Angeles, CA.

The Impact of the Influenza Vaccine on Pediatric Kidney Transplant Outcomes
Megan Camerino, Scott Jackson, Srinath Chinnakotla, Priya Verghese. Minneapolis, MN.
B214  Greater Susceptibility for Metabolic Syndrome in Pediatric Transplant Recipients - A Case-Control Study
Ricarda Bloete, Nima Memaran, Bianca Borchert-Mörlns, Daniela Thurn, Elena Bauer, Rainer Büscher, Jun Oh, Bernhard M. W. Schmidt, Anette Melk. Hanover, Germany; Essen, Germany; Hamburg, Germany.

B215  Cytokine Profiles in Children after Pediatric Kidney Transplantation with Acute and Chronic Rejection
Thurid Ahlenstiel-Grunow, Nadja Borsum, Lars Pape. Hannover, NDS, Germany.

B216  High Tacrolimus Variability is Associated with Worse Outcomes in Pediatric Renal Transplant Recipients
Sonia Solomon, Marcela Del Rio, Adriana Colovali, Nicole Hayde. Bronx, NY.

B217  Long-Term Efficacy and Safety of Prolonged-Release Tacrolimus in Stable Pediatric Allograft Recipients Converted from Immediate-Release Tacrolimus
N. Undre, J. Rubik, D. Debray, D. Kelly, F. Iserin, N. Webb, P. Czubkowski, K. Vondrak, A.-L. Sellier-Leclerc, S. Riva, B. Tönshoff, L. D’Antiga, S. Marks, R. Reding, G. Kazeem. Chertsey, United Kingdom; Warsaw, Poland; Paris, France; Birmingham, United Kingdom; Manchester, United Kingdom; Prague, Czech Republic; Bron Cedex, France; Palermo, Italy; Heidelberg, Germany; Bergamo, Italy; London, United Kingdom; Brussels, Belgium.

B218  Patient and Graft Survival in Pediatric Renal Transplant Recipients Compared to Adult Multi-Organ (Kidney-Pancreas, Simultaneous Liver-Kidney, or Heart-Kidney) Transplant Recipients: An Analysis of OPTN Data
Patrick S. Almond, Samhar I. Al-Akash, Darren Stewart, Amanda Robinson. Corpus Christi, TX; Richmond, VA.

B219  Acute Antibody Mediated Rejection Treatment Impact on Class I and Class II Anti-HLA Antibodies in Pediatric Kidney Transplant Recipients
Elisabeth Kincaide, Kelley Hitchman, Reed Hall, Ikuyo Yamaguchi, Barrett Crowther. San Antonio, TX; Austin, TX.

B220  Transplantation of Very Small Pediatric En Bloc Renal Allografts from Donors Less Than 8 Months of Age Have Similar Outcomes to Donors More Than 8 Months

B221  Long Term IVIG Infusions for Treatment of Chronic Antibody Mediated Rejection in Pediatric Kidney Transplant Recipients
Amira Al-Uzri, Carley Shaut, Sandra Iragorri, Randall Jenkins, Kelsey Richardson, David Rozansky, Mary Wright, Kayvan Roayaie. Portland, OR; Portland, OR.

B222  Promoting Medication Adherence from the Perspectives of Teen and Young Adult Kidney Recipients, Parents and Health Care Professionals
Christina Nguyen, Mary Amanda Dew, Annette DeVito Dabbs, Taya Irizarry, Mary McNulty, Bethany Foster. Pittsburgh, PA; Montreal, QC, Canada.

B223  Creatinine Monitoring by Remote Blood Spot Testing in Pediatric Kidney Transplant Recipients

B224  Racial and Ethnic Disparities in Preemptive Transplantation before and after the Introduction of Kidney Allocation System, in Pediatric and Young Adult End Stage Renal Disease Patients
Roshan P. George, Mohua Basu, Rouba Garro, Julien Hogan, Rachel E. Patzer. Atlanta, GA.

B225  Automated Systems to Identify and Address Adherence Barriers Result in Sustained Reduction of Late Allograft Rejection
B226 Use of Public Health Service Increased Risk Kidneys in Pediatric Renal Transplant Recipients: Recipient Characteristics

B227 The Role of Resilience in Healthcare Transitions among Adolescent and Young Adult Kidney Transplant Recipients

B228 Differences in Pediatric and Adult Lost to Follow-Up Events for Heart, Kidney, and Liver Recipients
Amanda M. Robinson, George V. Mazariegos, Sharon M. Bartosh, William T. Mahle. Richmond, VA; Pittsburgh, PA; Madison, WI; Atlanta, GA.

B229 Impact of Once-Daily Tacrolimus on Adherence in Stable Adolescent and Young Adult Renal Transplant Recipients
Mary Moss, Jens Goebel, Margret Bock. Aurora, CO.

B230 Disparities in Re-Transplantation among Pediatric Renal Transplant Recipients with Graft Failure
Mohua Basu, Rachel E. Patzer, Roshan George. Atlanta, GA.

B231 Utilization of Public Health Service Increased Risk Kidneys in Pediatric Renal Transplant Recipients by Era

B232 Assessment of Anti-CMV Immunity by Monitoring Anti-CMV Antibody (CMV-Ab) and CMV-Specific Cytotoxic T Cells (CMV-Tc) in Pediatric Kidney Transplant Recipients (Ped KTx Pts)
Bongha Shin, Helen Pizzo, Stanley C. Jordan, Darly Lovato, Anna Petrosyan, Dechu Puliyanda, Mieko Toyoda. Los Angeles, CA.

B233 Large Volume Intraoperative Fluid Use in Small (<20kg) Renal Recipients is Safe

B234 Age Difference between Donor and Recipient Predisposes to Early Interstitial Fibrosis and Tubular Atrophy in Pediatric Kidney Transplantation
Sunee Panombualert, Meghan Pearl, Patricia Weng, Robert Ettenger. Los Angeles, CA.

B235 Failure to Thrive after Pediatric Kidney Transplantation

B236 Long-Term Outcome of Pediatric Kidney Transplantation: A Single-Center Experience over the past Three Decades in Japan
Yujiro Aoki, Hiroyuki Satoh, Zenichi Matsui, Riku Hamada, Yuko Hamasaki, Seiichiro Shishido. Fuchu-shi, Tokyo, Japan; Ota-ku, Tokyo, Japan.

B237 Prevalence of Abnormal Hemoglobin A1C in Pediatric Kidney Transplant Recipients
Anastacia Serluco, Rochelle Liverman, Roshan George, Rouba Garro. Atlanta, GA.

B238 Early Life Stress Exposure and Cardio-Renal Outcomes in Pediatric Kidney Transplantation

B239 Re-Hospitalization after Pediatric Kidney Transplantation in Steroid Avoidance Protocols
B240  A Research-Informed Framework for a Medication Adherence Intervention to Support Transition of Adolescent Kidney Recipients to Independent Medication-Taking  
Taya Irizarry, Annette DeVito Dabbs, Mary Amanda Dew, Bethany Foster. Pittsburgh, PA; Montreal, QC, Canada.

B241  Recurrence of Focal Segmental Glomerulosclerosis (FSGS) and Response to Prolonged Plasmapheresis Therapy: A Single Center Pediatric Experience  
Amy E. Bobrowski, Debora Matossian. Chicago, IL.

B242  Protocol Biopsies after Paediatric Kidney Transplantation: A Single Centres’ 17 Year Experience  
Thuraiya Alsulaimi, Majed Aloufi, Silviu Grisaru, Susan Samuel, Lorraine Hamiwka. Calgary, AB, Canada; Riyadh, Saudi Arabia.

B243  Adult-Sized Kidneys Transplanted into Infants and Small Children: Outcomes after Implementing Aggressive Fluid Regimen and Medications to Support Post-Transplant Perfusion  

B244  Long-Term Social Outcome after Pediatric Kidney Transplantation  
Yuko Hamasaki, Toshiki Matsuda, Mai Kubota, Junya Hashimoto, Yusuke Takahashi, Masaki Muramatsu, Takeshi Kawamura, Ken Sakai, Seiichiro Shishido. Tokyo, Japan; Sakura, Japan.

B245  A Review of Pediatric Drug Development Programs and FDA Labeling for Immunosuppressive Drugs in Organ Transplant Patients  
Gilbert J. Burckart, Marc W. Cavallé-Coll, Anh Duong, Lauren Hothem, Renata Albrecht. Silver Spring, MD; New York, NY; Chapel Hill, NC.

B246  Immunoglobulin Replacement Therapy in Pediatric Renal Transplant Patients  
Amanda Lewis, Mary Beth Fasano, Diana Zepeda-Orozco. Iowa City, IA.

B247  Intra- versus Extra-Peritoneal Approaches in Renal Transplantation of Adult-Sized Kidneys for Children Weighting under 15kg - A Single Center Study  
Toshihide Mizutani, Masaki Muramatsu, Yuko Hamasaki, Yusuke Takahashi, Yoshihiro Itabashi, Jyunya Hashimoto, Yuji Hyodo, Kei Sakurabayashi, Takeshi Kawamura, Seiichiro Shishido. Tokyo, Japan.

B248  Influence of 6 Months Protocol Biopsies with and without Intervention on Course of GFR after Pediatric Renal Transplantation  

B249  Efficacy and Safety of Acute Antibody Rejection Treatment in Pediatric Kidney Transplant Recipients  
Elisabeth Kincade, Kelley Hitchman, Reed Hall, Ikuyo Yamaguchi, Barrett Crowther. San Antonio, TX.

B250  Using Distal Abdominal Aorta as an Outflow Tract for En Bloc Kidney Transplantation from Infant Donors with Extremely Low Body Weight  

B251  Pediatric Kidney Transplant in Norway – Results after Switching from Midline to Retroperitoneal Approach in Recipients below 25 kg  
Rune Horneland, Ammar Khan, Guvåg Steinar, Trygve Thorsen, Morten Hagness. Oslo, Norway.

B252  Increasing Obesity Prevalence in the United States Pediatric End-Stage Renal Disease Population  
Brittany A. Shelton, Paul A. MacLennan, Rhiannon D. Reed, Margaux N. Mustian, Deanna M. McWilliams, Deirdre Sawinski, Jayme E. Locke. Birmingham, AL; Philadelphia, PA.
Outcomes of Renal Transplantation in Pediatric Patients with VACTERL Association
Jessica Diaz, Blanche Chavers, Srinath Chinnakotla, Priya Verghese. Minneapolis, MN.

Oral Health Related Quality of Life for Children with Kidney Disease

Distribution of Biopsy Proven Acute Rejection in a Large Pediatric Kidney Transplant Program: A Four Year Experience
Charles D. Varnell, Jr., Adam C. Carle, David Hooper. Cincinnati, OH.

Pediatric Kidney Allograft Outcomes Following Identification of Transplant Glomerulopathy by Electron Microscopy
Jacob Grodsky, Randall Craver, Isaa Ashoor. New Orleans, LA.

Intention to Treat Outcomes of Patients with Hepatocellular Carcinoma Downstaged to within Milan

Cost Analysis of Loco-Regional Bridging Therapy for Hepatocellular Carcinoma: A National Study
Mustafa D. Nazzal, Rosemary Ouseph, Xiao Huiling, Mark Schnitzler, Chintalapati Varma, Henry Randall, Janet Tuttlet-Newhall, David Axelrod, Krista Lentine. Saint Louis, MO; Greenville, NC.

Prognostic Value and Biological Significances of Five Long Non-Coding RNAs in Hepatocellular Carcinoma
Yuchen Hou, Zheng Yu, Nga Lei Tam, Shanzhou Huang, Jie Yang, Linwei Wu, Yi Ma, Xiaoshun He. Guangzhou, Guangdong, China.

TP53 Mutations Lead to Increased Transcription of Circular RNAs in Exosomes Enhancing Tumor Invasiveness in Hepatocellular Carcinoma Bases on Bioinformatics Analysis

Validating MORAL in Living Donor Liver Transplantation for Hepatocellular Carcinoma
Abu Bakar Hafeez Bhatti, Ammal Imran Qureshi, Nusrat Yar Khan, Muhammad Osama Butt, Anum Waheed, Atif Rana, Faisal Saud Dar. Islamabad, Pakistan.

Prediction of Hepatocellular Carcinoma Recurrence Following Liver Transplantation Using Combined Differential Gene Expression, Copy Number Variation and Somatic Mutation Analysis
Abhinav Humar, Peng Liu, Jianhua Luo, Michael A. Nalesnik, Aatur D. Singhi, George C. Tseng, George M. Michalopoulos. Pittsburgh, PA.

Tregs Expression Predicts Prognosis in Patients with Hepatocellular Carcinoma
Angeles Baquerizo, Vera Vavinskaya, Catherine Frenette, Mary Nelson, Randolph Schaffer, John Fisher, Linda Sher, Bahar Madani, Paul Pockros, Christopher Marsh. La Jolla, CA; San Diego, CA; Los Angeles, CA.

Utility of Combining Stereotactic Body Radiation Therapy (SBRT) to Transarterial Chemoembolization as Destination Therapy for Hepatocellular Cancer (HCC) within Milan Criteria
Arvind R. Murali, Kaartik Soota, Mark Karwal, Tomohiro Tanaka, Jeffrey C. Dunkelberg, Michael Voigt. Iowa City.

Radiation Exposure to the Transplant Surgeon: A Case Study of Recent Yttrium-90 Treatment in an Explanted Liver
B266  Neutrophil to Lymphocyte Ratio (NLR) Does Not Predict Outcomes after Liver Transplant (LT) for Hepatocellular Carcinoma (HCC)

B272  Liver Transplantation for Hepatocellular Carcinoma Outperform Other Populations in the New Hepatitis C Era
Angel E. Alsina, Alexia M. Athienitis, Jacentha Buggs, Elizabeth Fallon, Erin Parkinson, Chris Albers, Nyingi Kemmer. Tampa, FL; Tampa, FL.

B267  T Cell Lineage Imbalance and Regulatory Immune Populations in HCC Patients Undergoing Downstaging While Waitlisted for Liver Transplantation

B273  Predictive Value of mRECIST in HCC Response to the Neoadjuvant Locoregional Therapies and Prognosis Affected by the Peak AFP Level before Liver Transplantation
Min Xu, Tyler J. Fraum, Sandra Garcia-Aroz, Neeta Vachharajani, Nael Saad, Kathryn Fowler, Yiing Lin, William C. Chapman. St. Louis, MO; Rochester, NY.

B268  Impact of Mammalian Target of Rapamycin Inhibitors on Hepatocellular Carcinoma Recurrence after Liver Transplant
Natalie Hendon, David Salerno, Chelsea Sammons, Karim Halazun. New York, NY.

B274  Vascular Invasion and Survival after Liver Transplantation for Hepatocellular Carcinoma: A Study from the European Liver Transplant Registry
Hans-Christian Pommergaard, Andreas Arendtson Rostved, René Adam, Lau Caspar Thygesen, Mauro Salizzoni, Miguel Angel Gómez Bravo, Daniel Cherqui, Franco Filippioni, Karim Boudjema, Vincenzo Mazzaferro, Olivier Soubrane, Juan Carlos Garcia-Valdecasas, Joan Fabregat Prous, Antonio D. Pinna, John O’Grady, Vincent Karam, Christophe Duvoux, Allan Rasmussen. Copenhagen, Denmark; Villejuif, France; Sevilla, Spain; Pisa, Italy; Rennes, France; Milan, Italy; Clichy, France; Barcelona, Spain; Bologna, Italy; London, United Kingdom; Créteil, France; Copenhagen, Denmark.

B269  Liver Transplantation for Locally Advanced Intrahepatic Cholangiocarcinoma Treated with Neoadjuvant Therapy: A Pilot Cohort Study

B270  Which Way to Go, Liver Resection or Liver Transplantation for Hepatocellular Carcinoma in Child A Liver Cirrhosis

B271  Advanced Liver Care and Salvage Transplantation Improves Outcomes for Patients with Cirrhosis Requiring Abdominal General Surgical Procedures
Daniel P. Milgrom, Nakul P. Valsangkar, Joshua K. Kays, Tiffany Liang, James R. Butler, Chandrashekar A. Kubal, Mary A. Maluccio, A. Joseph Tector, Leonidas G. Koniaris. Indianapolis, IN; Birmingham, AB.
B275  Locoregional Treatments before Liver Transplantation for Hepatocellular Carcinoma: A Cohort Study from the European Liver Transplant Registry
Hans-Christian Pommergaard, Andreas Arendtsen Rostved, René Adam, Lau Caspar Thygesen, Mauro Salizzoni, Miguel Angel Gómez Bravo, Daniel Cherqui, Paolo De Simone, Karim Boudjema, Vincenzo Mazzaferro, Olivier Soubra, Juan Carlos Garcia-Valdecasas, Joan Fabregat Prous, Antonio D. Pinna, John O’Grady, Vincent Karam, Christophe Duvoix, Allan Rasmussen. Copenhagen, Denmark; Villejuif, France; Turin, Italy; Seville, Spain; Pisa, Italy; Rennes, France; Milan, Italy; Clichy, France; Barcelona, Spain; Bologna, Italy; London, United Kingdom; Créteil, France.

B276  Risk Factors of De Novo Malignancies after Liver Transplantation
Mario Altieri, Olivier Seree, Jérôme Dumortier, GREF2 Groupe de Recherche Français en Greffe de Foie. Caen, France; Herouville Saint-Clair, France; Lyon, France.

B277 † A Long-Term Experience with Expansion of Milan Criteria for Liver Transplant Recipients
Sarah J. Commander, Brian Shaw, Laura Washburn, Dor Yoeli, Abbas Rana, John A. Goss. Durham, NC; Houston, TX.

Liver: Pediatrics

B278 † Comparison of No Kasai Portoenterostomy to Failed Kasai: Analysis of UNOS Database
Tamir Miloh, Katheleen Hosek, Sanjeev Harpavath. Houston.

B279 Early Postoperative Acute Kidney Injury among Pediatric Liver Transplant Recipients

B280 Outcomes from 194 Consecutive Split Left Liver Transplants: Comparison of Living versus Deceased Donors

B281 The Impact of Rapamycin Conversion in Pediatric Liver Transplantation on Anti-HLA Antibody Formation and Allograft Fibrosis

B282 Predicting Pediatric Liver Transplant Rejection with Peripheral Blood Leukocyte (PBL) Transcripts: Considerations and Design Limitations
Mylarappa Ningappa, Chethan Ashokkumar, Qing Sun, Brandon W. Higgs, Kyle Soltys, Geoffrey Bond, George Mazariagos, Rakesh Sindhi. Pittsburgh, PA.

B283 Donor-to-Recipient Weight Ratio is Significantly Associated with Hepatic Artery Thrombosis Following Pediatric Whole Liver Transplantation
Stephanie Kim, Gabriel Ramos-Gonzalez, Zahra Labib, Heung Bae Kim, Khashayar Vakili. Boston, MA.

B284 Chronic Rejection: Risk Factors, Clinical Presentation and Outcome in Pediatric Liver Transplant Recipients: A Single Center Experience
Tamir Miloh, Amelia Cheng, Deborah Schady, Ryan Himes, Krupa Mysore, Kathleen Hosek, John Goss. Houston, TX.

B285 High Prevalence of Hypertension and Alterations in Rhythmicity in Recipients of Pediatric Transplants
Nima Memaran, Marietta Kirchner, Ricarda Blöte, Britta Macker-Kolhoff, Imeke Goldschmidt, Carsten Müller, Jelena Epping, Rizky Sugianto, Bianca Borchert, Bernhard M. W. Schmidt, Elke Wühl, Anette Melk. Hanover, Germany; Heidelberg, Germany.

B286 † 28-Year Cumulative US Experience with Pediatric Living Donor Liver Transplant – How Far Have We Come?
Sidharth Sharma, Kaylene Barrera, Angelika Guessner, Rainer Guessner. Brooklyn, NY.
Poster Session B
Sunday, June 3

B287  Role of Obesity in Pediatric Liver Transplantation
Karina Covarrubias, Morgan Denhard, Xun Luo, Jacqueline Garonzik-Wang, Andrew Cameron, Dorry Segev, Douglas Mogul. Baltimore, MD.

B288  Cardiovascular Risk and Subclinical Vascular Damage in Patients after Pediatric Liver Transplantation

B289  Assessment of Anxiety, Fatigue and Depression in Pediatric Liver Transplant Recipients Using PROMIS Measures: A Pilot Study
Saeed Mohammad, Mary Riordan, Katie Neighbors, Estella Alonso. Chicago, IL.

B290  Digital Health Education for the Pediatric Solid Organ Transplant Population

B291  Analysis of Rabbit Anti-Thymocyte Globulin versus Basiliximab Induction in Pediatric Liver Transplant Recipients
David Newland, Macy Royston, Derry McDonald, Kelly Wallace-Boughter, Thomas Németh, Kristen Carlin, Simon Horslen. Seattle, WA; Seattle.

B292  Intraoperative Blood Loss during Pediatric Liver Transplantation: A Single Center Experience
Jordan A. Kohler, Dor Yoeli, Rohini R. Sigireddi, Ruth L. Ackah, Michael L. Kueht, Thao N. Galvan, Ronald T. Cotton, Abbas Rana, Christine O’Mahony, John A. Goss. Houston, TX.

B293  Wait Times for Pediatric Liver Transplantation and the Impact of PELD/MELD Exception
Khalid M. Khan, Chirag S. Desai, Fishbein Thomas, Kroemer Alexander. Washington, DC; Chapel Hill, NC.

B294  Efficacy and Safety of Immediate- and Prolonged-Release Tacrolimus in De Novo Pediatric Transplantation: Randomized Study
K. Vondrak, F. Parisi, A. Dhawan, R. Grenda, N. J. A. Webb, S. D. Marks, D. Debray, R. C. Holt, A. Lachaux, D. Kelly, G. Kazeem, N. Undre. Prague, Czech Republic; Rome, Italy; London, United Kingdom; Warsaw, Poland; Manchester, United Kingdom; Paris, France; Liverpool, United Kingdom; Lyon, France; Birmingham, United Kingdom; Chertsey, United Kingdom.

Non-Organ Specific: Economics, Public Policy, Allocation, Ethics

B295  † Organ Procurement Organization Run Department of Motor Vehicle Office Leads to Increased Organ Donor Registry Enrollments

B296  † High Grade Cytomegalovirus Viremia Events in Solid Organ Transplant Recipients: Description and Quality Improvement
Michael L. Spinner, Vasilios Athans, Christine E. Koval. Cleveland, OH.

B297  † Why the Low Usage of HIV Positive Donors? A Survey of the Transplant Community

B298  † Program-Specific Transplant Rate Ratios: Association with Allocation Priority at Listing and Posttransplant Outcomes
B299 † Analysis of NIH Research Funding in Transplantation: The Important Impact of Physician-Scientists in Abdominal Transplant Research

B300 † Analysis of Cost Effectiveness of Treatment for Acute Antibody-Mediated Rejection
Colleen E. McDermott, Katherine P. Carsky, Peter C. Ferrin, India A. Gaines, David J. Chernobylsky, Mary T. Killackey, Anil S. Paramesh, Rubin Zhang, Joseph F. Buell. New Orleans, LA.

B301 † Cost Analysis of Biliary Strictures Following Orthotopic Liver Transplantation in the United States
Jordan M. Jones, Neal Bhuñiani, David Wei, Laura J. Goldstein, Robert C. G. Martin, Christopher M. Jones, Robert M. Cannon. Louisville, KY; New Brunswick, NJ; Somerville, NJ.

B302 † Comparative Cost Analysis of ABO-Incompatible Living Kidney Transplantation
Yoichi Kakuta, Masayoshi Okumi, Kohei Unagami, Miyuki Furusawa, Hideki Ishida, Kazunari Tanabe. Tokyo, Japan.

B303 † Psychiatric Disorders and Disturbances in Transplant Listing Decisions
Gun Ho Lee, Anji Wall, David Magnus, Jose Maldonado. Stanford, CA.

B304 Using Visual Icons to Present Program Transplant Rate Information to the Public: Results of a Randomized Trial
Cory R. Schaffhausen, Sauman Chu, Marilyn J. Bruin, Judith H. Hibbard, Jon J. Snyder, Bertram L. Kasiske, Ajay K. Israni. Minneapolis, MN; Eugene, OR.

B305 Development of an Expert Consensus Guideline for Skin Cancer Screening in Solid Organ Transplant Recipients
Lauren D. Crow, Sarah T. Arron, Christina L. Chung, Anokhi Jambusaria-Pahlajani, Stefan E. Lowenstein. On behalf of the Transplant Skin Cancer Network. San Francisco, CA; Philadelphia, PA; Round Rock, TX.

B306 Willingness to Accept HIV-Positive and Increased Infectious Risk Donor Organs among HIV-Positive Transplant Candidates

B307 The Impact of ABO Blood Type and Geography on Access to Lung Transplant

B308 Transplant Trends in Young Adults: Silent Alcohol Epidemic
Nyingi Kemmer, Nadia Bozanich, Saurabh Agrawal, Christopher Albers, Rashid Syed, Angel Alsina. Tampa.

B309 Evaluation and Cost Burden of Inappropriately Drawn Immunosuppression Trough Levels in the Acute Care Setting at an Academic Medical Center
Andrew Brown, Jennifer Geyston, Avinash Agarwal, Bruce Jones, Winston Ally. Charlottesville, VA.

B310 Is BMI > 35 a Barrier to Kidney Transplantation?
Debra A. Walczak, Enrico Benedetti, Cathy Ryan. Chicago, IL.

B311 A 5-Tier System for Categorizing Program-Specific Adjusted Transplant and Waitlist Mortality Rate Ratios
Andrew Wey, N. Salkowski, B. Kasiski, A. Israni, Jon Snyder. Minneapolis.

B312 Hospital Readmission Patterns in the First Year after Kidney Transplantation: A Twelve-Year, Single-Center Experience
**B313**  Procurement Travel Safety: Current Practices, Accident Frequency, Perceptions of Safety and Means to Reduce Risk  
Austin D. Schenk, Andrew B. Adams, Raymond J. Lynch. Atlanta, GA.

**B314**  Overcoming Barriers to Transplant: An A2 to B Program Need Not Be Difficult, Expensive, or Time Consuming Even for Large Centers  
Shannon Radomski, Bridgette Diedrich, Dong Li, Mariam Awwad, Sandra Rosen-Bronson, Albert Langeberg, Ashley-Anne Hamby, Matthew Cooper, Alexander Gilbert. Washington, DC.

**B315**  Heart and Lung Offer Acceptance Practices Are Associated with Organ Yield and Local Placement  
Andrew Wey, M. Skeans, N. Salkowski, B. Kasiske, A. Israni, Jon Snyder. Minneapolis.

**B316**  Measles and Varicella Vaccination Status and Evidence of Immunity during Solid Organ Pre-Transplantation Evaluation  
Heather L. Daniels, Carla Saracusa, Sarah Worley, Bianca E. Gonzalez. Cleveland, OH.

**B317**  Providing Transplant Candidates with Patient-Specific Public Reports about Programs That Transplant Patients Like Them  

**B318**  Sustained Improvement in Patient Reported Outcomes 10 Years after Liver Transplantation by Protocol Longitudinal Assessment of Health Related Quality of Life  
Saleh Elwir, Ann Warren, Giovanna Saracino, Sumeet Asrani, Timothy Elliott, Goran Klintmalm. Dallas, TX; College Station, TX.

**B319**  Frailty and Kidney Transplantation: AST-KPCOP Survey of Center Practices  

**B320**  Informed Clustering of Donor Service Areas for Better Benchmarking  
Samantha M. Noreen, Robert J. Carrico, John Rosendale. Richmond, VA.

**B321**  Pediatric Transplantation within the ASTS: A Member Survey  
Walter Andrews, Srinath Chinnakotla, Jaimie Nathan, Amy Gallo, Patrick Healey, Jan Dominique, Carlos Esquivel. Arlington, VA.

**B322**  Organ Transplant Abuse in China (1): Scale  
Grace Yin, David Y. Li, Michelle Li, Min Fu. Middletown, NY; Houston, TX.

**B323**  Evaluating Displays of Program Waitlist Mortality on Public Search Results  

**B324**  The Importance of Transplant Program Measures: Surveys of 3 National Patient Advocacy Groups  
Cory R. Schaffhausen, Marilyn J. Bruin, Sauman Chu, Jon J. Snyder, Bertram L. Kasiske, Ajay K. Israni. Minneapolis, MN.
B325  What Happened When the 'Soft Opt-Out' to Organ Donation Was Implemented in Wales? Family and Professional Views and Experiences, and Consent Rates for the First 18 Months
Leah Mc Laughlin, Jane Noyes, Karen Morgan, Phil Walton, Abigail Roberts, Michael Stephens. Bangor, Wales, United Kingdom; Cardiff, Wales, United Kingdom; Cardiff and Liverpool, Wales, United Kingdom.

B326  Increasing Obesity and Diabetes Prevalence in the United States End-Stage Renal Disease Population
Brittany A. Shelton, Deanna M. McWilliams, Paul A. MacLennan, Rhiannon D. Reed, Margaux N. Mustian, Deirdre Sawinski, Jaye E. Locke. Birmingham, AL; Philadelphia, PA.

B327  Medical Contraindications to Solid Organ Transplant Listing: A Survey of Heart, Liver, Lung and Kidney Programs
Anji E. Wall, Gun Ho Lee, Jose R. Maldonado, David Magnus. Palo Alto, CA.

B328  Treatment Patterns and Burden among Chronic Graft versus Host Disease Patients on Second-Line Systemic Treatments Including Extracorporeal Photopheresis
Xingyue Huang, Namita Joshi, Linlin Luo, Ghaith Mitri, Belinda Lovelace, An Pham, Xin Gao. Bethesda, MD; Bedminster, NJ.

B329  Organ Transplant Abuse in China (2): Continued Growth after Gaining International Attention
Grace Yin, David Y. Li, Michelle Li, Min Fu. Middletown, NY; Houston, TX.

B330  Organ Transplant Abuse in China (3): Transplants Conducted on Demand
Grace Yin, David Y. Li, Min Fu, Yiyang Xia. Middletown, NY; Houston, TX; Washington, DC.

B331  Evidence of a Clinically Significant Drug-Drug Interaction between Cannabidiol and Tacrolimus: A Case Report

B332  Providing Transplant Candidates with Guidance about Differences in Acceptance Criteria across Programs

B333  The Effect of Pre-Transplant Insomnia and Post-Transplant Insomnia on Survival among Solid Organ Recipients
Kwai-Fong Lee, Yi-Ting Tsai, Chih-Yuan Lin, Chung-Bao Hsieh, Sheng-Tang Wu, Teng-Wei Chen, Yi-Chang Lin, Wei-Hwa Lee, Feng-Yen Lin, Chien-Sung Tsai. Taipei, Taiwan; Hualien County, Taiwan; New Taipei, Taiwan; Taoyuan, Taiwan.

B334  Patient-Centered Outcomes after Liver Transplantation: A Qualitative Study
Grace S. Lee, Joy Obayemi, Emily B. Rubin. Philadelphia, PA; Boston, MA.

B335  Blood Transfusion is a Critical Determinant of Resource Utilization and Total Hospital Cost in Liver Transplantation
Catherine Garcia, Adam Dugan, Daniel Davenport, Roberto Gedaly. Lexington.

B336  Organ Transplant Abuse in China (4): Organ Sources
David Y. Li, Grace Yin. Middletown, NY.

B337  Organ Transplant Abuse in China (5): Role of the Chinese State
David Y. Li, Yiyang Xia, Michelle Li, Grace Yin. Middletown, NY; Washington, DC.

B338  Perceptions, Motivations, and Concerns about Living Organ Donation among People Living with HIV
Sarah Rasmussen, Macey Henderson, Juli Bollinger, Shanti Seaman, Christine Durand, Dorry Segev, Jeremy Sugarman. Baltimore.
B339 Patient-Researcher Partnership Platform within the Canadian National Transplant Research Program: The First Year Experience
Marie-Chantal Fortin, Sylvain Bédard, Julie Allard, Fabian Ballesteros, Samantha Anthony, Antoine Boivin, Audrey Lespérance, David Hartell. Montreal, Canada; Ottawa, Canada; Toronto, Canada.

B340 The Effect of an Organ Procurement Experience on Preclinical Medical Student Perceptions of Transplant Surgery

B341 Medicare Part D Plans Deny Coverage for Off-Label and Off-Compendia Immunosuppressant Use: A Case Series
Lisa Potter, Edward Garrity. Chicago, IL.

B342 An Economic Analysis of the UK Pancreas Allocation Scheme
Kerry A. Burke, Stephen Birch, Titus Augustine. Manchester, United Kingdom; Hamilton, Canada.

B343 Critical Care Management of Organ Donors with Uncertain Consent Status
Manu R. Varma, Jennifer A. LaRosa. Newark, NJ.

B344 † Reported Effects of the SRTR 5-Tier Rating System on US Transplant Centers
Sarah Rasmussen, Alvin Thomas, Jacqueline Guronzik-Wang, Macey Henderson, Sarah Stith, Dorry Segev, Lauren Hersch Nicholas. Baltimore; Albuquerque.

B345 Discriminative Accuracy of Physician Assessments of Kidney Transplant Candidate Function by Candidate Age, Sex, and Race

B346 Hispanics’ Perceptions of Shared Decision Making in the Transplant Context: A Mixed Methods Study
N. Alhalel, J. C. Caicedo, R. Ruiz, A. Salazar, S. Primeaux, E. J. Gordon. Chicago, IL; Dallas, TX.

PTLD/Malignancies: All Topics

B347 Tumor Recurrence in Kidney Transplant Recipients with a History of Pretransplant Malignancy

B348 Impact of Antecedent Malignancy on Kidney Transplant Outcomes: Patient, Graft, and Cancer-Free Survival

B349 A Population Based Study of Incidence of Post Kidney Transplant Malignancies

B350 Pre-Existing Renal Cell Carcinomas in Patients with Polycystic Kidney Disease Undergoing Simultaneous Native Nephrectomy and Living Donor Kidney Transplantation

B351 Cancer Incidence after Kidney Transplantation in Saudi Arabia, Comparing Different Induction Agents
B352  Induction Agents and Post-Transplant Malignancies in Kidney Transplants: An Examination of Outcomes at a Large Volume Center over 20 Years
Devon Livingston-Rosanoff, Xing Wang, Glen Levenson, Dixon Kaufman, David Foley. Madison, WI.

B353  Evaluating the Impact of Pre-Transplant Malignancy on Outcomes after Kidney Transplantation: A National Database Analysis over a Twenty-Two Year Period
Devon Livingston-Rosanoff, Lee G. Wilke, Glen Levenson, David Foley. Madison, WI.

B354  The Influence of a Conversion to Sirolimus-Based Immunosuppression on Non-Melanomatous Skin Cancer Incidence in Kidney Transplant Recipients over Long Term Follow Up

B355  Decreased Expression of Pro-Carcinogenic Genes Following Tacrolimus to Sirolimus Conversion in Liver Transplant Recipients
Mamatha Bhat, Elisa Pasini, Cristina Baciu, Sunil M. Kurian, Josh Levitsky. Toronto, Canada; La Jolla, CA; Chicago.

B356  Pretransplant Use of Rituximab is Associated with Posttransplant Malignancies Events and Death by Neoplasia in Incompatibility Living Donor Kidney Transplants
Ignacio Revuelta, Valeria Tubita, David Cucchiari, Erika De Sousa, Pierluca Piselli, Miguel Lozano, Joan Cid, Eduard Palou, Jaume Martorell, Federico Oppenheimer, Fritz Diekmann, Josep M. Campistol. Barcelona, Spain; Madrid, Spain; Roma, Italy.

B357  Survival, Cancer and PTLD Diagnosis after Late EBV Infection in Adult Kidney Transplantation
Muir Morton, Geraldine Scullin, Kanika Daga, Paul Klapper, Pamela Valley, Mike Picton. Manchester, United Kingdom.

B358  Follow-Up and Outcomes of Epstein-Barr Virus Negative Recipients after a Kidney Transplant from an Epstein-Barr Virus Positive Donor
Caroline Dudreuilh, Elham Asgari, Rachel Hilton. London, United Kingdom.

B359  Use of Cyclin-Dependent Kinase Inhibitors to Reduce Gammaherpesvirus Reactivation
Joy E. Hazleton, Linda F. van Dyk. Aurora, CO.

B360  Presentation and Outcomes of Post-Transplant Proliferative Disorder at a Single Institution Pediatric Transplant Center

B361  Post-Transplant Lymphoproliferative Disorder after Kidney Transplantation: A Single Institute Experience with Focus on Epstein-Barr Virus Status
Pingchuan Zhang, Rebecca L. King, Kay M. Ristow, Lynn D. Cornell, Fernando G. Cosio, Thomas M. Habermann, Mariam P. Alexander. Rochester, MN.

B362  Genomic Modifications Associated with Epstein Barr Virus+ Post-Transplant Lymphoproliferative Disorder

B363  Genomic Diversity of Epstein Barr Virus in Post-Transplant Lymphoproliferative Disorder
Eden M. Maloney, Vincent A. Busque, Sin Ting Hui, Sheri M. Krams, Carlos O. Esquivel, Olivia M. Martinez. Stanford, CA.

B364 † The MicroRNA Landscape of EBV+ and EBV- PTLD
B365 † Incidence of Epstein Barr Virus (EBV) DNAemia in EBV-Seronegative Solid Organ Transplant (SOT) Recipients with EBV-Seropositive Donors
Catherine Burton, Curtis Mabilangan, Jutta Preiksaitis. Edmonton, Canada.

B366 † Experience with Immunosuppressive Strategies in Vascularized Composite Allotransplantation of Face
Robin Klasek, Branislav Kollar, Sotirios Tasigiorgos, Bohdan Pomahac. Boston, MA.

B367 † Burden of Infectious Complications after Upper Extremity Allotransplantation: A Matched Cohort Study
Anne Conrad, Palmina Petruzzo, Jean Kanitakis, Aram Gazarian, Lionel Badet, Philippe Vanhems, Olivier Thaunat, Emmanuel Morelon, Antoine Sicard. Lyon, France; Cagliari, Italy.

B368 † Autologous Adipose-Derived Stem Cells with In Vivo Immunomodulatory Properties Can Be Generated in Allograft Recipients under Immunosuppression
Antoine Sicard, Jonathan Rodriguez, Palmina Petruzzo, Jean Kanitakis, Odile Damour, Lionel Badet, Aram Gazarian, Fanny Buron, Olivier Thaunat, Karin Tarte, Cedric Mesnard, Celine Auenfans, Emmanuel Morelon. Lyon, France; Cagliari, Italy; Rennes, France.

B369 The Preclinical Application of the Tactile Discrimination Task in Rat Models

B370 Absence of Rejection in a Facial Allograft Recipient with a Positive Flow Crossmatch 24 Months after Induction with Rabbit Anti-Thymocyte Globulin and Anti-CD20+ Monoclonal Antibody

B371 Upper Limb and Craniofacial VCA Donors in the US

B372 Upper Limb Transplantation in the US: An Early Look at OPTN Data
Jennifer Wainright, L. Scott Levin, Christopher Wholley, Wida Cherikh, David Klassen, Linda Cendales. Richmond, VA; Philadelphia, PA; Durham, NC.

B373 Demand for Uterine Transplantation in the United States: Initial Recruitment Results of a Trial of Uterine Transplantation in the Northeast U.S.

B374 OPTN VCA Waiting List Trends
Jennifer Wainright, Christopher Wholley, Wida Cherikh, Jennifer Musick, David Klassen. Richmond, VA.

B375 Facial Allotransplantation: An Early Look at OPTN Data
Jennifer Wainright, L. Scott Levin, Linda Cendales, Christopher Wholley, Wida Cherikh, David Klassen, Bohdan Pomahac. Richmond, VA; Philadelphia, PA; Durham, NC; Boston, MA.

B376 Psychosocial Factors Affecting Recipients of Vascular Composite Allotransplantation

B377 Mayo Clinic’s First Face Transplant: 17 Months On
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<td>B379</td>
<td>AMD3100 (Plerixafor) as a Single-Dose Stem Cell Mobilizing Agent in Vascularized Composite Tissue Allograft (VCA) Transplantation in a Canine Model</td>
<td>Bruce J. Swearingen, Scott S. Graves, Rainer Storb, David W. Mathes</td>
<td>Aurora, CO; Seattle, WA</td>
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<td>B380</td>
<td>Rapamycin Therapy Impairs Treg Expression of CXCR3 and Limits Treg-Dependent Survival of Vascularized Composite Alloplants</td>
<td>Heng Xu, Zeyu Chen, Wayne William Hancock, Scott Levin, Yixin Zhang</td>
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<td>B381</td>
<td>Predicting Outcomes of Rat Vascularized Composite Alloplants through Quantitative Measurement of Chimerism with PCR-Amplified Short Tandem Repeat</td>
<td>Hui-Yun Cheng, Xiao-Ting Huang, Chih-Fan Lin, Nidal F. Al Deek, Ling-Yi Shih, Cheng-Hung Lin, Fu-Chan Wei</td>
<td>Gueishan, Taoyuan, Taiwan</td>
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C119  † Living Donor Nephrectomy: Is It as Safe as It Can Be? Analysis of Living Donor Deaths in the United States
Douglas S. Keith, Joseph Brown, Kenneth Andreoni. Pensacola, FL; New York, NY; Gainesville, FL.

C120  † Opting out and Offers of ‘Alibis’ for Potential Living Kidney Donors in the US
Renata Iskander, Sanjay Kulkarni, Carrie Thiessen. Hamilton, ON, Canada; New Haven, CT.

C121  † Variation in Living Donor Kidney Transplantation among U.S. Transplant Centers

C122  † Opioid Use Following Ultrasound-Guided Transverse Abdominis Plane Blocks in Living Donor Nephrectomy Patients
E. J. Henricksen, D. J. Quan, C. E. Freise. San Francisco, CA.

C123  † Racial/Ethnic Disparities in Living Donor Kidney Transplantation before and after the New National Kidney Allocation System

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Hajeong Lee, Kyung Don Yoo, Mi-yeon Yu, Yon Su Kim. Seoul, Korea; Gyeongju, Korea.

C125  Taking Specific Steps to Pursue Living Donor Kidney Transplant is Associated with Greater Odds of Having a Potential Living Donor Identified
Abeera Ali, Deanna Toews, Navneet Singh, Ali Ayub, Candice Richardson, Sumaya Dano, Dorothy Wong, John D. Peipert, Amy Waterman, Marta Novak, Istvan Mucsi. Toronto, ON, Canada; Los Angeles, CA.

Arash Nickkholgh, Avinash Agarwal, Bethany Sarosiek, Anita Sites, Angie Nishio Lucar, Jose Oberholzer, Peter Amato. Charlottesville, VA.

C127  Efficacy of Current Educational Interventions in Improving Living Donor Kidney Transplantation Rates
Shaifali Sandal, Nandini Dendukuri, Shouao Wang, Elena Guadagno, Taline Ekmekjian, Ahsan Alam. Montreal, Canada.

C128  Evaluation of Financial Well-Being of Living Kidney Donor Candidates
Sunita K. S. Singh, Grace Bannerman, Alyssa Yantsis, Michelle Liu, Franz Marie Gumabay, Olsegun Famure. Toronto, ON, Canada.

C129  Estimated GFR for Living Kidney Donor Evaluation before and after Nephrectomy
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C130  National Survey of Living Donor Coordinators to Identify Barriers to Living Donation
Deonna Moore, Mary Dietrich, Peter Buerhaus, James Rodrigue, Ann Minnick. Nashville; Bozeman; Boston.
C131 National Survey of Living Donor Program Educational Components and Resources
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C132 Outcomes of Retroperitoneoscopic Live Donor Nephrectomy (RPLDN): Experience of 1100 Cases at a Single Center
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C133 Liposomal Bupivacaine: Friend or Foe in Kidney Donation?
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C134 Making Right Donor Nephrectomy Great Again: Evaluating Right Hand Assisted Retroperitoneal Donor Nephrectomy

C135 Self-Reported Post-Surgical Pain Following Living Kidney Donation
Aaron Fleishman, Jesse Schold, Paul Morrissey, James Whiting, John Vella, Liise Kayler, Daniel Katz, Jody Jones, Bruce Kaplan, Martha Pavlakis, Didier Mandelbrot, James R. Rodrigue. Boston; Providence; Portland; Buffalo; Iowa City; Scottsdale; Madison.

C136 Chronic Changes on Time Zero Living Donor Allograft Biopsy Portraits Worse Donor Renal Function
Angie Nishio-Lucar, Joel Murphy, Anita Sites, Helen Cathro, Alden M. Doyle, Karen Warburton, Avinash Agarwal. Charlottesville, VA.

C137 Cumulative Sum Analysis of the Learning Curve for Video-Assisted Minilaparotomy Donor Nephrectomy in Healthy Kidney Donors
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C138 The Impact of Duration on Dialysis on the Pre-Transplant Allosensitization According to Panel Reactive Antibody Levels
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Jiang Qiu, Guodong Chen, Zixuan Wu, Changxi Wang, Lizhong Chen. Guangzhou, Guangdong, China.

C140 Effects of Medication Education Pilot Program in Living versus Deceased Donor Kidney Transplant Recipients.
Nimisha Sulejmani, Hasenia Albanna, Bryant Summers, Arin Jantz, Rohini Prashar, Anita Patel. Detroit, MI.

C141 South Asian and Muslim Canadian Patients Are Less Likely to Receive Living Donor Kidney Transplant Offers Compared to Caucasian, Non-Muslim Patients

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C149  Experience and Safety of Hand-Assisted Laparoscopic Nephrectomy for Living Kidney Donors at Mexico’s General Hospital “Dr. Eduardo Liceaga”

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C151  † Further In Vivo and In Vitro Evidence That Anti-CD40 MABS Do Not Induce Thromboembolism
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C152  † Risk Factors for Failure to Complete Post-Donation Follow-Up among Obese Living Kidney Donors
Rhiannon D. Reed, Paul A. MacLennan, Brittany A. Shelton, Margaux N. Mustian, Deanna M. McWilliams, Deirdre Sawinski, Jayme E. Locke. Birmingham, AL; Philadelphia, PA.

C153  † Temporal Trends in Living Kidney Donor Candidates
Sunita K. S. Singh, Vanessa DiCecco, Michael Luo, Yanhong Li, Olsegun Famure. Toronto, ON, Canada.

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C154  † Native Kidney Volume Decreases after Kidney Transplantation in Patients with Autosomal Dominant Polycystic Kidney Disease: Less Patients Need Nephrectomy?

C155  Enhanced Recovery after Renal Transplant Surgery Using a Transversus Abdominis Plane Block is Associated with Decreased Hospital Length of Stay

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C233  Pragmatic Surgical Risk Assessment Criteria in Critically Ill Patients Prior to Liver Transplantation

C234  Surgical Categorization Improve Outcomes and Organ Utilization in Liver Transplant

C235  Hospitalization and Life Support before Liver Transplantation – Easily Available Predictors for Post-Transplant Patient Survival

C236  Protein S Deficiency as an Independent Risk Factor for Portal Vein Thrombosis in Cirrhotic Patients Awaiting Liver Transplantation
Hao-Chien Hung, Jin-Chiao Lee, Chih-Hsien Cheng, Yu-Chao Wang, Tsung-Han Wu, Chen-Fang Lee, Ting-Jung Wu, Hong-Shiue Chou, Kun-Ming Chan, Wei-Chen Lee. Taoyuan, Taiwan.

C237  Poverty, End Stage Liver Disease, and Transplantation in Georgia
Raymond J. Lynch, Katie Ross, Joseph Magliocca, David Goldberg, Rachel Patzer. Atlanta, GA; Philadelphia, GA.

C238  Impact of Sever Hypoxemia after Liver Transplantation in Hepatopulmonary Syndrome
Maheswaran Pitchaimuthu, Masato Fujiik, Kazunari Sasaki, Koji Hashimoto, Bijan Eghtesad, Charles Miller, Cristiano Quintini. Cleveland, OH.

C239  Frailty and Liver Transplantation

C240  Impact of Early Corticosteroid Treatment in Patients with Indeterminate Acute Severe Hepatitis
Elisabeth Mohr, Robert Sucher, Tobias Müller, Thorsten Kaiser, Thomas Berg. Leipzig, Germany; Berlin, Germany.

C241  Liver Transplantation as a Life Saving Procedure after Post Resection Liver Failure and Iatrogenic Liver Injuries

C242  ABO-incompatible Deceased Donor Liver Transplantation
Xun Luo, Christine Haugen, Alvin Thomas, Jacqueline Garonzik-Wang, Dorry Segev. Baltimore, MD.

C243  Portal Vein Flow as an Indicator of Liver Transplantation for Acute Liver Failure
Chih-Hsien Cheng, Ching-Song Lee, Yu-Chao Wang, Tsung-Han Wu, Chen-Fang Lee, Ting-Jung Wu, Hong-Shiue Chou, Kun-Ming Chan, Wei-Chen Lee. Taoyuan, Taiwan.

C244  Outcomes of Liver Transplant in Sequential Eras in Patients with Polycystic Liver Disease at Various Stages of Disease
C245  Liver Transplantation for Severe Alcoholic Hepatitis: Is Early Always Necessary?  
Tiffany Wu, Nicholas N. Nissen, Carlie Galloway, Andrew S. Klein, Tram T. Tran, Walid S. Ayoub, Mazen Noureddin, Irene Kim, Tsuyoshi Todo, Vinay Sundaram. Los Angeles, CA.

C246  The Outcomes of Candidates Underwent Liver Transplantation with Portopulmonary Hypertension: A Meta-Analysis  
Ronghai Deng, Bingsong Huang, Yi Shi, Yi Ma. Guangzhou, Guangdong, China.

C247  Impact of Providing Care Locally Compared to at a Transplant Center for Pre-And Posttransplant Liver Patients  
Rauf Shahbazov, Kristen L. Knapp, Shawn Tsutsui, Arash Nickholgh, Patrick G. Northup, Jose Oberholzer, Daniel Maluf, Mitchell Shiffman, Shawn J. Pelletier. Charlottesville, VA; Richmond, VA.

Lung: All Topics

C248  † Complement Fixing Donor-Specific Antibodies Are Associated with Increased Risk of Chronic Lung Allograft Dysfunction after Lung Transplantation  

C249  † Reliability of Bronchiolitis Obliterans Syndrome Reporting to the OPTN  
Robert J. Carrico, Rebecca R. Lehman, Kimberly Uccellini, Kevin M. Chan, Timothy Whelan. Richmond; Ann Arbor; Charleston.

C250  † Circulating Exosomes with Lung Self-Antigens, K sabotage Tubulin and Collagen V, and Immunoregulatory Molecules Are Present in Bronchiolitis Obliterans Syndrome Following Pediatric Lung Transplantation  
Monal Sharma, L. Danziger-Isakov, P. Heeger, S. Sweet, T. Mohanakumar. Phoenix; Cincinnati; New York; St. Louis.

C251  Clinical Utility of CMV-Specific CD8+ T-Cell Immune Competence Score in Lung and Heart-Lung Transplant Recipients at Risk of Cytomegalovirus Infection  
Atibordee Meesing, Roshini Abraham, Raymund Razonable. Rochester, MN.

C252  The Aggressive Phenotype: Center-Level Characteristics in the Use of Suboptimal Lungs  

C253  Pattern of Respiratory Virus Infection (RVI) and Chronic Lung Allograft Dysfunction (CLAD) in Lung Transplant Recipients (LTR)  

C254  Ultrastructural Changes in Lung Allografts: Endothelial Changes Correlate with Donor Specific Antibody & Antibody Mediated Rejection  
Mariam P. Alexander, Andrew Bentall, Patrice C. Abell Aleff, John P. Scott, Anja C. Roden. Rochester, MN.

C255  Evaluation of Immunosuppression and Infection after Desensitization in Lung Transplantation  
Sara Hammad, Bharath Ravichandran, June Kim, Debra KuKuruga, Sarah Cipriano, Zachary Kon. Baltimore.

C256  High Body Mass Index in Organ Donor is Significantly Correlated to Low PaO2/FiO2 Ratio in SRTR Database  

C257  Surveillance for Mycoplasma/ Ureaplasma Infection in Lung Transplant Recipients (LTRs)  
C258 Primary Oral Vancomycin Prophylaxis Reduces the Incidence of *Clostridium difficile* Infection among Lung Transplant Recipients
Valida Bajrovic, Kyle Brizendine. Cleveland, OH.

C259 Gastroparesis after Lung Transplantation: A Single-Center Experience
Sreeja Biswas Roy, Mitchell Davis, Francisco Rodriguez, Rosemarie Serrone, Paul Kang, Taylor R. Ipsen, Michael A. Smith, Ross M. Bremner, Jasmine Huang, Jasmine Huang. Phoenix, AZ; Glendale, AZ.

C260 Disparate Risk Factors for Early and Late Death Impact Survival after Lung Transplant
Carli J. Lehr, Eugene H. Blackstone, Kenneth R. McCurry, Lucy Thuita, Wayne M. Tsuang, Maryam Valapour. Cleveland, OH.

C261 Prevalence and Persistence of Cardiovascular Risk Factors and Subclinical Vascular Damage in Patients after Pediatric Lung Transplantation
Mareike Onnen, Nima Memaran, Bianca Borchert, Ricardo Blöte, Rizky Sugianto, Carsten Müller, Anette Melk. Hannover, Germany.

C262 *Mycoplasma hominis* Infection in Lung Transplant Recipients: A Retrospective Case Series
Julie K. Wright, Nancy Law, Michelle Murray, Susan Poutanen, Shahid Husain, Shaf Keshavjee, Lianne Singer, Atul Keshavjee, Deepali Kumar. Toronto, ON, Canada; San Diego.

C263 Itraconazole Prophylaxis, Trough Concentration, and Identification of Fungal Pathogens in Lung Transplant Habiba Hassouna, Vasilios Athans, Kyle D. Brizendine. Cleveland, OH.

C264 Implementation of the Lung Allocation Score is Associated with Decreased Mortality in Combined Liver-Lung Allograft Recipients
Kyle Freischlag, Paul M. Shroder, Brian Ezekian, Michael S. Mulvihill, Stuart Knechtle. Durham, NC.

C265 Evaluation of Survival and Maintenance Immunosuppression in Elderly Lung Transplant Recipients
P. Nguyen, R. Girgis, E. Murphy, R. Hadley, M. Leacche, A. Kumar, G. Sathiyanamoorthy, J. McDermott. Grand Rapids, MI.

C266 Efficacy of Bronchoscopically-Administered Surfactant in the Setting of Primary Graft Dysfunction after Lung Transplantation

C267 Successful Desensitization with Carfilzomib-Based Regimen to Facilitate Lung Transplantation: Initial Experience

C268 Using a Data Analytics Platform to Improve Patient Care in Pediatric Lung Transplantation
Brandi B. Scully, Kathleen Hosek, Debasis Dash, Kathleen E. Carberry, Ernestina Melicoff, Maria C. Gazzaneo, George B. Mallory, Jeffrey S. Heinle. Houston, TX.

C269 Incidence of Atrial Arrhythmia after Lung Transplantation with a Universal Prophylaxis Strategy
Meagan Sullivan, Julie Lin, Remzi Bag, Lisa Potter. Chicago, IL.

C270 Risk Factors for Postoperative Bleeding after Lung Transplantation
Dieter Adelmann, Stefan Koch, Johannes Menger, Peter Jakusch, Martin Kurz, Mohammed Mouhieddine, Walter Klepetko, Barbara Steinlechner. Vienna, Austria; San Francisco, CA.

C271 Characteristics and Outcomes among Patients with Failed Extubation after Lung Transplantation
C272  Modification of Macrophage Phenotype by the Magnetic Field
Malgorzata Kloc, Wei Chen, Jacek Z. Kubiaik, Xian C. Li, Rafik M. Ghobrial, Jarek Wosik. Houston, TX; Warsaw, Poland; Rennes, France; Houston.

C273  Simultaneous Persistence and Development of Donor and Recipient Tissue Resident Memory T Cells in Lung Transplantation

C274  Regulation of NK Cell Cytotoxicity by TEC Expression of Clr Proteins in Kidney Ischemia Reperfusion Injury (IRI)

C275  Identifying Specificity Groups in the CMV IE-1 T Cell Receptor Repertoire
Marc Lucia, Florian Rubelt, Sergi Luque, Sheri M. Krams, Carlos O. Esquivel, Oriol Bestard, Olivia M. Martinez. Palo Alto; Barcelona, Catalonia, Spain.

C276  Aquaporin 4 Blockade Alters T Cell Trafficking through a Novel Mechanism of S1PR1 Regulation
Michael Nicosia, Ran Fan, Satoshi Miyairi, Ashley Beavers, George W. Farr, Paul McGuirk, Marc F. Pelletier, Anna Valujskikh. Cleveland, OH.

C277  Lymph Node Stromal Laminins Modulate the Dynamic Balance of the Treg/Th17 Axis

C278  Age-Specific Effects of Tacrolimus Are Associated to Specific Changes of T Cell Metabolism

C279  TLR-Activated Bregs Promote Islet Allograft Tolerance in an IL-10-Independent and TGF-β-Dependent Manner

C280  Treg Regulate Distinct Lymphatic NFκB Signaling Pathways to Alter Migration and Immunity
W. Piao, Y. Xiong, L. Li, V. Saxena, Jonathan Bromberg. MD.

C281  TLR2 with TCR Signaling Mobilizes Treg Lymphatic Migration
W. Piao, Y. Xiong, L. Li, V. Saxena, Jonathan Bromberg. MD.

C282  Activation Requirements of Costimulation Blockade-Resistant CD4 T Cells

C283  Preventing of Rejection of Vascularized Composite Allografts by Targeting T Cell Metabolism

C284  Shikonin Inhibits Th17 Development through Repressing STAT3 Activation
Huihui Fang, Ruochan Zhang, Fan Liang, Qirui Chen, Jordi Ochando, Yaozhong Ding, Jianguan Xu. Beijing, China; New York, NY.

C285  Autophagy Impacts Specificity and Characteristics of Innate Alloimmune Responses in Aging
Timm Heinbokel, Koichiro Minami, Yeqi Nian, Abdallah Elkhal, Stefan G. Tullius. Boston, MA.

C286  Memory T Cell Dysfunction after Pregnancy Alloimmunization Prolongs Transplant Survival
Paige M. Porrett, Jordana Cohen, Rong Xu, Emma Lewis, Michal Elovitz, E. John Wherry, Deirdre Sawinski. Philadelphia, PA.
**Poster Session C**

**Monday, June 4**

**C287** †

**T-bet and STAT6 Double Deficiency Favors IL-17 Immunity after Lung Transplantation**

Fan Liang, Rongjuan Chen, Qirui Chen, Jordi Ochando, Yaozhong Ding, Jiangnan Xu. Beijing, China; New York, NY.

**C288**

**Identification of T Cells as Target of Intervention to Decrease Anti-LG3 Autoantibody Levels Prior to Transplantation**

Mélanie Dieudé, Lauriane Padet, Annie Karakeussian-Rimbaud, Bing Yang, Julie Turgeon, Héloïse Cardinal, Marie-Josée Hébert. Montreal, QC, Canada.

**C289**

**Contribution of mTOR Signaling to the β-Catenin Pathway in Regulatory T Cells**

Francesc Martí, Lilia Turcios, Amr Mohamed, Mihail Mitov, David Butterfield, Roberto Gedaly. Lexington, KY.

**C290**

**Inhibition of IL-1R1 Signaling Delays Costimulation Blockade–Resistant Allograft Rejection by Preventing CD8 TEM Expansion**

Yancun Liu, Ying Dong, David Mathews, Abheek Ghosh, Andrew B. Adams. Atlanta, GA.

**Psychosocial and Treatment Adherence**

**C291**

**Evaluation of Clinical and Safety Outcomes Following Uncontrolled Tacrolimus Conversion in Adult Transplant Recipients**


**C292**

**Exploring Immunosuppressant Medication Adherence in Kidney Transplant Recipients**

Dawn Goodall, Michelle Willicombe, Adam McLean, David Taube. London, United Kingdom.

**C293**

**Development of a Classification of Immunosuppressant Medication Nonadherence Tool to Enable the Objective Measurement of Immunosuppressant Medication Nonadherence in Kidney Transplant Patients**

Dawn Goodall, Michelle Willicombe, Adam McLean, David Taube. London.

**C294**

**Analyzing Transplant Medication Myths**

Rachel C. Krislock, Jared C. Brandenberger, Phoebe J. Stracener, Andrew S. Weiss, Karlie E. Wipperling, Christian S. Kuhr. Seattle, WA.

**C295**

**Trends of Racial and Education Disparity in Post-Kidney-Transplant Graft Survival and Patient Survival: Do Different Metrics Lead to Different Conclusions?**

Michael D. Garber, Katie Ross, Reem Hamoda, Laura Plantinga, Rachel Patzer. Atlanta.

**C296**

**Factors Impacting Return to Employment after Liver Transplantation**


**C297**

**Transplant Psychiatry- A Growing Subspecialty. Introducing the Transplant Psychiatry Special Interest Group from the Academy of Psychosomatic Medicine**

Paula Zimbrean, Andrea DiMartini, Catherine Crone. New HAven, CT; Pittsburgh, PA; Falls Church, VA.

**C298**

**An Enhanced Educational Program for Kidney Transplant Candidates and Their Supports: Knowledge Gained but Room for Improvement**

Erin Clifton, Anne Eshelman, Dean Kim, Anita Patel, Patrick Williams, Dayna Nicholson, Kathy Hogan, Elizabeth Rubinstein, Daisy Ramirez, Naddin Sadik, Michelle Jesse. Detroit.

**C299**

**Clinical Trials and Electronic Health Records**

Jieming Chen, Sanchita Bhattachrya, Marina Sirota, Minnie Sarwal, Atul Butte. San Francisco.

**C300**

**Preparation for Transfer to Adult Kidney Transplant Care: Impacts of Providing Written Guidance**

Haley F. Stephens, Michelle Clementi, Amira Al-Uzri, Mary Wright, Sandra Iragorri, David Rozansky, Randall Jenkins, Jordan Wade, Kelsey Richardson, Kurt A. Freeman. Portland, OR.
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<tr>
<td>C301</td>
<td>Participation in Paid Work across the Transplant Trajectory from the Perspective of End-Stage-Kidney-Disease Patients</td>
<td>Keira Gaudet, Marie Achille. Montreal, QC, Canada.</td>
<td>Montreal, QC, Canada.</td>
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<tr>
<td>C302</td>
<td>Clinical Outcomes, Care Needs and Adherence in Long Term Intestine Transplant Survivors ≥10 yrs</td>
<td>Beverly Kosmach-Park, George Mazariegos. Pittsburgh, PA.</td>
<td>Pittsburgh, PA.</td>
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<td>Small Bowel: All Topics</td>
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<td>C305</td>
<td>Evaluation of the Use of Oral Valganciclovir for the Treatment of Cytomegalovirus Infections in Pediatric Intestinal Transplant Recipients: A Single Center Review</td>
<td>Molly Henry, Mary Vacha, Megan Keck, Diana Florescu. Omaha, NE.</td>
<td>Omaha, NE.</td>
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<td>C307</td>
<td>Monitoring of Small Bowel Allografts with Kynurenine Serum Levels</td>
<td>Manfred J. Stangl, Dionysos Kologiannis, Julian Bucher, Markus Guba, Dietmar K. Abendroth. Munich, Germany; Ulm, Germany.</td>
<td>Munich, Germany; Ulm, Germany.</td>
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<td>Small Bowel: All Topics</td>
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<td>C309</td>
<td>National Landscape of HIV+ Liver Transplant Candidates</td>
<td>Ashton A. Shaffer, Alvin G. Thomas, Allan Massie, Sally Gustafson, Jon Snyder, Britanny Shelton, Rhiannon Reed, Jayme E. Locke, Dorry Segev, Christine Durand. Baltimore; Minneapolis; Birmingham.</td>
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<td>C310</td>
<td>HIV-Positive Donors to HIV-Positive Transplant Recipients: The Italian Experience</td>
<td>Paolo A. Grossi, Daniela Dalla Gasperina, Alessia Petrolo, Domenico Lombardi, Maria Luisa Balsamo, Maria Cristina Moioli, Giovanna Travi, Marco Merli, Fabio Ferla, Matteo Tozzi, Luciano De Carli, Giulio Carcano, Massimo Puoti, Alessandro Nanni Costa. Varese, Italy; Milano, Italy; Roma, Italy.</td>
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<td>C311</td>
<td>You’ve Gotta Have HOPE: Seeking HIV Donors in a Large US OPO</td>
<td>Amy Friedman, Shirish Huprikar, Kristin Delli Carpini. NY.</td>
<td>NY.</td>
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<td>C315 †</td>
<td>CMV-Specific CD8+ T-Cell Immune Competence Score as Predictor of Outcome for CMV Infection after Transplantation</td>
<td>Atibordee Meesing, Roshini Abraham, Raymund Razonable. Rochester, MN.</td>
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C316  Cytomegalovirus Infection in Pediatric Solid Organ Transplant Recipients and Role of Prophylaxis
Gwen K. Nance, Anastacia Serluco, Shri Deshpande, Rouba Garro, Roshan George, Michael S. Kelleman, Rochelle Liverman. Atlanta, GA.

C317  Evaluation of a Change in CMV Prevention Strategy Following Pediatric SOT
Scott Pangonis, Alexander Miethke, Francisco Flores, Marc Schecter, Samuel Kocoshis, Daniellie Lazear, Trina Hemmelgam, BreAnn Taylor, Grant Paulsen, Lara Danziger-Isakov. Cincinnati, OH.

C318  Impact of High Dose Acyclovir Cytomegalovirus Prophylaxis Failure in Abdominal Solid Organ Transplant Recipients
Jillian Fose, Margaret Jorgenson, Magdalena Siodlak, Glen Leverson, Jeannina Smith, Robert Redfield. Madison.

C319  Efficacy of Two Valganciclovir Dosing Strategies in Intermediate and High-Risk Liver Transplant Recipients
Kristen D. Belfield, Maricar Malinis, Elizabeth Cohen. New Haven, CT.

C320  The Clinical Efficacy of Seasonal Influenza Vaccination - Characteristics of Two Outbreaks of Influenza A(H1N1) in Immunocompromised Patients
Ilkka Helanterä, Rita Janes, Veli-Jukka Anttila. Helsinki, Finland.

C321  Impact of Influenza Vaccine Implementation by Transplant Pharmacy in Solid Organ Transplant Recipients
Sara Gattis, Inci Yildirim, Staci Serluco, Courtney McCracken, Rochelle Liverman. Atlanta, GA.

C322  Host Factors and Clinical Spectrum of Adenovirus Infection in Pediatric Solid Organ Transplantation: A Closer Look at the Infant, the Toddler and the Child

C323  Evaluation of Hepatitis B Vaccination in Transplant Candidates

C324  Nontuberculous Mycobacteria in Lung Transplant Recipients: Prevalence, Risk Factors and Impact on Survival and Graft Function
Daniel Friedman, Carlos Cervera, Kieran Halloran, Gregory Tyrrell, Karen Doucette. Edmonton, Canada.

C325  Characterization of Mycobacterium Tuberculosis Memory T Cell Subsets in Solid Organ Transplant Recipients with Previously Treated Active Tuberculosis
Srinivas Nellimarla, Yoichiro Natori, Victor Ferreira, Shahid Husain, Atul Humar, Deepali Kumar. Toronto, ON, Canada.

C326  Safety and Tolerability of Therapy for Latent Tuberculosis Infection: A 16-Year Review
Yamama AlJishi, Mohammed Bosaeed, Shahid Husain, Coleman Rotstein, Atul Humar, Deepali Kumar. Toronto, ON, Canada.

C327  Donor Bacteremia Does Not Impact Survival Following Heart Transplantation: A UNOS Registry Review
Sameer Hirji, Ann Woolley, Marc Pelletier, Prem Shekar, Farhang Yazdchi, Hari Mallidi, Steve Singh. Boston, MA.

C328  Impact of Positive Donor Blood Cultures in Liver Transplant Recipients
Danielle Bley, Denise Lo, George M. Lyon III, Ram Subramanian, Sarah Todd. Atlanta, GA.

C329  Identifying Differences in Antimicrobial Resistance with a Liver Transplant Antibiogram
Jessica Rago, Matthew Crotty, Erika Milas, Edward Dominguez. Dallas.

C330  Colistin (COL) in Solid Organ Transplant Recipients (SOTR): Friend or Foe?
Karyna Neyra, Carlos Huuaya Leuyacc, Christopher Kovacs, Vasilios Athans, Eric Cober. Cleveland, OH.
C331  †  Daptomycin Minimum Inhibitory Concentration (MIC) of Vancomycin Resistant Enterococcal (VRE) Blood Isolates Correlates with Allograft Failure in Orthotopic Liver Transplant (OLT) Recipients
Rachael Lee, Ghady Haidar, Jessica Lewis, Sana Arif, Jonathan Hand, Eric Holaday, Heather Claus, Jason Goldman, Anoma Nellore. Birmingham, AL; Charlottesville, VA; Durham, NC; New Orleans, LA; Philadelphia, PA; Seattle, WA.

C332  †  Risk Factors and Outcomes with Carbapenem-Resistant Enterobacteriaceae Bloodstream Infections among Solid Organ Transplant Recipients
Judith Anesi, Emily Blumberg, Ebbing Lautenbach, Jacqueline Omorogbe, Pam Tolomeo, Pranita Tamma, Kerri Thom, Kevin Alby, Warren Bilker, Alissa Werzen, Koorosh Nemati, Jennifer Han. Philadelphia, PA; Baltimore, MD.

C333  Evaluation of Risk Factors for Vancomycin Resistant Enterococcus (VRE) Infection in Adult Liver Transplant Recipients
Erika Aldag, Rachel Pedersen, Vikraman Gunabushanan, Ajay Sahajpal, Lynne Fehrenbacher, David J. Kramer. Milwaukee, WI.

C334  Bloodstream Infection Caused by Enteric Organisms during the First 6 Months after Intestinal Transplant

C335  In Vitro Evaluation of Antibiotic Persistence in Pseudomonas aeruginosa and Staphylococcus aureus Isolates from Cystic Fibrosis Patients
Jillian Fose, Daniel Bruckbauer, Margaret Jorgenson, Warren Rose. Madison.

C336  Clostridium difficile Recurrence in Abdominal Organ Transplant Recipients: Metronidazole versus Oral Vancomycin
Abby F. Moorman, Sarah B. Todd, G. M. Lyon III, Helen L. Triemer. Atlanta, GA.

C337  Bacterial Complications in Liver Transplant Recipients Undergoing Biliary Tract Manipulation: Effect of an Antibiotic Prophylaxis Protocol
Coleman Clifford, Nicole M. Theodoropoulos, Jennifer S. Daly, Laura Gibson, Savant Mehta, Hesham Malik, Adel Bozorgzadeh. Worcester, MA.

C338  Clostridium Difficile Infection after Liver Transplant is Associated with Poor Long-Term Survival
Aaron Ahearn, Paria Mahboub, Nicole Theodoropoulos, Babak Movahedi, Paulo N. Martins, Maureen Campion, Reenu Nathan, Adel Bozorgzadeh. Worcester, MA.

C339  Solid Organ Transplantation and Data Mining: Risk Factors for Invasive Fungal Disease in Heart Transplant Recipients

C340  A Retrospective Review of De Novo Coccidioidomycosis among Remote Solid Organ Transplant Recipients in Arizona
Tirdad T. Zangeneh, Jessica August, Norman Beatty, Kara Asbury, Lanyu Mi, Janis E. Blair. Tucson, AZ; Phoenix, AZ.

C341  Screening Coccidioides Serology in Kidney Transplant Recipients: A 10-Year Cross-Sectional Analysis
Korntip Phonphok, Tin Duong, Nakul Datta, Omer Beaird, Joanna Shaenman, Suphamai Bunnapradist. Los Angeles, CA.

C342  Tacrolimus and Isavuconazole Therapy: What about the Drug Interaction?
Christian Gill, Nicholas Mercuro, Rachel Kenney, Arin Jantz, Bryant Summers, Nimisha Sulejmani, Susan Davis. Detroit; Detroit, MI.
C343  Therapeutic Drug Monitoring (TDM) of Suspension (SUS), Extended-Release (ER), and Intravenous (IV) Posaconazole (POS) at a Large Transplant Center

C344  T2Candida for Diagnosis of Candidemia in Solid Organ Transplant Recipients

C345  Impact of Fluconazole Prophylaxis on Fungal Infections in Liver Transplant Recipients
Kerri Roach, Sarah Todd, Marshall Lyon, Ram Subramanian. Burlington, MA; Atlanta, GA.

C346  Micafungin Prophylaxis in Liver Transplant Recipients at High Risk for Invasive Fungal Infections
Annelise Nolan, Nicole Harriott, Kyle Startzman. Washington, DC.

C347  Infection Outcomes in Solid Organ Transplant Recipients Receiving Trimethoprim-Sulfamethoxazole as Opposed to Atovaquone for Prophylaxis
Alexander C. Drelick, Wenzhu B. Mowrey, Grace Y. Minamoto. New York, NY; Bronx, NY.

C348  Strongyloides Pre-Transplant Screening in Solid Organ Transplantation (SOT): Single Center Analysis

C349  Diagnosis and Prevalence of Strongyloidiasis in Solid Organ Transplant Patients
Haley Pritchard, Vagish Hemmige, Rojelio Mejia, Alejandro Restrepo. Houston, TX.

C350  Treatment of Multi-Drug Resistant Gram Negative Infections after Solid Organ Transplant
Madeleine Heldman, Brett Nelson, Tenzin Babu, Michael G. Ison. Chicago, IL.

C351  Timing of Infections after Total Artificial Heart Implantation. What Did We Learn?
Heather E. Chambers, Andre Kalil, Diana Florescu. Omaha, NE.

C352†  Prevalence and Infection-Related Outcomes Associated with Transplant Tourism
Jackie Slomovic, Sapna S. Humar, Deepali Kumar, Atul Humar. Toronto, ON, Canada.

C353  Isavuconazole - The Real-World Use Experience
Habiba Hassouna, Vasilios Athans, Kyle D. Brizendine. Cleveland, OH.

C354  A National Survey of Valganciclovir Dosing Strategies in Pediatric Solid Organ Transplant Recipients
Suhail Shaikh, Natalia Panek, Jeong Park. Washington DC; Chicago; Ann Arbor.

C355  Evaluation of Risk Factors for Progression of Low Level CMV Viremia in Solid Organ Transplant Recipients
Yoichiro Natori, Atul Humar, Ali Alghamdi, Deepali Kumar. Toronto, ON, Canada.
Poster Session D

Poster Viewing: 6:00 pm–7:00 pm
Presenters in Attendance: 6:00 pm–7:00 pm
Hall 4EF

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.

B-cell / Antibody

D1 † Targeting Plasma Cells with Anti-CD38mAb (Daratumumab) and CXCR4 Antagonist (Plerixafor) for Desensitization
Jean Kwun, Ezekian Brian, Miriam Manook, Jae Berm Park, Kyle Freischlag, Janghoon Yoon, John Yi, Mark Stegall, Stuart Knechtle. Durham, NC; Rochester, MN.

D2 † Multi-Targeting Desensitization Therapy Alters Peripheral B-Cell Homeostasis and Suppresses Recall Alloantibody Responses
Irene Kim, Gordon Wu, Ning-ning Chai, Andrew Klein, Stanley Jordan. Los Angeles, CA.

D3 † TACI Polymorphisms Associated with Allograft Rejection in Mice and in Man
Mayara G. M. Barbosa, Evan A. Farkash, Jeffrey L. Platt, Marilia Cascahalho. Ann Arbor, MI.

D4 † In Vivo Administration of Plerixafor and Bortezomib Results in Bone Marrow Plasma Cell Mobilization and Death While Inducing Biphasic Plasma Cell Apoptosis in Peripheral Blood

D5 Analysis of Circulating CD38+/CD138+ Plasma Cells during Development of De Novo Donor Specific Antibody Responses
Ning-ning Chai, Gordon Wu, Irene Kim, Stanley Jordan, Andrew Klein. Los Angeles, CA.

D6 Circulating T Follicular Helper Cells Expand Following Transplantation and Exhibit a CD44+ Phenotype That Correlates with Peak Germinal Center Alloreactivity
Glenn M. La Muraglia II, Maylene E. Wagener, Mandy L. Ford, Ideluberto R. Badell. Atlanta.

D7 Increase on Regulatory Cells in Kidney Transplanted Patients Presenting Donor-Specific Antibodies
Gabriella Camerini Maciel, Maria Fernandes, Erick Barbosa, Helcio Rodrigues, Nicolas Panajopolous, Fabiana Agena, Elias David-Neto, Verônica Coelho, Maria Cristina Castro. São Paulo, Brazil.

D8 Accommodation and Antibody Mediated Rejection Are Associated with Distinct TACI Polymorphisms in Kidney Transplant Recipients
Marilia Cascahalho, Mayara G. M. Barbosa, Evan A. Farkash, Jeffrey L. Platt. Ann Arbor, MI.

D9 Preemptive B Cell Depletion Modulates Pathogenic Alloimmunity Associated with Selective Non-Activating CD28 Blockade
Natalie A. O'Neill, Tianshu Zhang, Wenji Sun, Gheorghe Braileanu, Xiangfei Cheng, Ivan Tatarov, Wessam Hassanein, Zahra Habibabady, Benjamin Cerel, Keith Reimann, Agnes M. Azimzadeh, Richard N. Pierson. Baltimore, MD; Boston, MA.

D10 Effects of Preformed Antibody on Survival Following Pig-to-Primate Liver Xenotransplantation

D11 Long Term Culture of Functional Bone Marrow-Derived Human Plasma Cells
Natalie A. Moore, Keisha P. Bonner, Matthew R. D’Costa, Mark D. Stegall. Rochester, MN.
D12  CD8-Expressing Transitional B Cells Dominate B Cell Reconstitution in Transplanted Monkeys Receiving Mixed Chimerism Conditioning
Kurt B. Pruner, Joshua T. Paster, Sommer Wiebke, O. Jane, Hanekamp Isabel, Dehnadi Abbas, Benichou Gilles, Madsen Joren. Boston, MA.

D13  TACI-Ig as a Desensitization Agent in a Rat Model of Antibody Mediated Rejection
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D137 Pre-Existing Allograft Diabetic Nephropathy from Diabetic Donor is Reversible after Kidney Transplantation in Non-Diabetic Recipient

D138 Use of Perfusion Machine after Long Cold Ischemia Time: 3 Years Results
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D139 Willingness to Consider Increased Risk Donors: A Single Center Experience
Vanessa L. Richards, Christopher K. Johnson, James D. Perkins, Ajit P. Limaye, Lena Sibulesky. Seattle, WA.

D140 Renal Allograft Transplantation among Middle Eastern Population with Alemtuzumab Induction
Graham B. Mitro, Obi Ekwenna, Michael Rees, Jorge Ortiz. Toledo, OH.

D141 APOL1 Long-Term Kidney Transplantation Outcomes Network (APOLLO)
Giselle Guerra, Emilio Poggio, Mariella Ortizos-Goggins, Mona Doshi, Barry I. Freedman, David M. Rebuissain, Paul L. Kimmel, APOLLO Investigators. Miami, FL; Cleveland, OH; Ann Arbor, MI; Winston-Salem, NC; Bethesda, MD.

D142 Evaluation of Accepting Kidneys of Varying Quality for Transplantation or Expedited Placement with Decision Trees
Sanjay Mehrotra, Hazen Gordon, Kevin Bui, John Friedewald, Daniela Ladner, Bruce Kaplan, Vikram Kilambi. Evanston, IL; Chicago, IL; Boston, MA; Houston, TX.

D143 Impact of Glomerular Filtration Rate Normalization to Body Surface Area on Donor Selection and Outcome in over 4000 Living Kidney Donors
Samy Riad, Daniel Keys, David Vock, Scott Jackson, Danielle Berglund, Viral Vakil, Arthur Matas, Hassan Ibrahim. Minneapolis; Houston.

D144 † Microbiology and Outcomes of Febrile Neutropenia Episodes after Kidney Transplant

D145 † The Impact of Induction Agent on Development of Febrile Neutropenia Following Kidney Transplant

D146 † Having Your Cake and Eating It Too: An Aggressive Protocol for DSA Treatment Does Not Doom Patients to High Infectious Risk

D147 † Urinary Tract Infections May Be Associated with De Novo Donor-Specific Anti-Human Leucocyte Antigen Antibodies: Single-Center Study

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D149 Impact of Direct Antiviral Therapy for Hepatitis C on Acute Rejection and DSA Formation in Kidney Transplant Recipients
Ziad S. Zaky, Sherif Armanyous, Leal Herlitz, Emilio D. Poggio, Joshua Augustine. Cleveland, OH.

D150 Safety and Efficacy of Sofosbuvir-Based Direct-Acting Antiviral Agents in Kidney Transplant Recipients with HCV: A Systematic Review and Meta-Analysis
Xianding Wang, Ping Tan, Tu Xiang, Yang Qiu, Turun Song, Tao Lin. Chengdu, Sichuan Province, China.

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**Kidney Living Donor: Selection**

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Multi-Center Examination of the Reliability and Validity of the Live Donor Assessment Tool (LDAT) as an Enhancement to the Psychosocial Evaluation of Living Donors
Dianne LaPointe Rudow, Sheila Jowsey-Gregoire, Farrah Desrosiers, Joyce Trompeta, LDAT Study Group. NY, NY; Rochester, MN; San Francisco, CA.

Impact of Cigarette Smoking on Living Kidney Donor
Young Eun Yoon, Hyung Ho Lee, Joon Chae Na, Kyu Ha Huh, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Woong Kyu Han. Seoul, Korea; Goyang, Korea.

Recipient Outcomes in Age Mismatched Living Kidney Transplants from Donors > 60 Years: A UNOS Database Analysis
Oluwafisayo Adebiyi, Asad Riaz, Muhammad S. Yaqub, Dennis Mishler, Tim Taber, Asif Sharfuddin. Indianapolis.

Diagnostic Performance of Blood Pressure Measurement Modality in Prospective Living Kidney Donors
Sherif Armanyous, Michael Lioudis, George Thomas, Emilio D. Poggio, Joshua J. Augustine. Cleveland, OH.

Prevalence of Metabolic Syndrome (MetS) and Insulin Resistance in Living Kidney Donors

Clinical Significance of Isolated v-Lesions in Kidney Transplantation

Early Sub-Clinical and Clinical TCMR Are Associated with Progressive Renal Allograft Dysfunction

Reduced Ratio of FoxP3/γRORgt Gene Expression, in Peripheral Blood, is Associated with Acute Allograft Rejection in Recipients with Kidney Transplantation
Ravi Dhital, Ranjana Walker Minz, Mukut Minz, Ashish Sharma, Ritambhara Nada, Sarbpreet Singh, Deepesh Benjamin Kenwar, Sashi Anand. Chandigarh, UT, India; Columbus, OH; Mohali, Punjab, India.

Outcomes of Kidney Transplant Recipients with Early Allograft Inflammation: A Prospective Study

Polymorphisms of Nucleotide Factor of Activated T Cells Cytoplasmic 2 and 4 and the Risk of Acute Rejection Following Kidney Transplantation
Zijie Wang, Zhijian Han, Jun Tao, Hao Chen, Li Sun, Ruoyun Tan, Min Gu. Nanjing, China.

Subclinical Borderline Rejection: More Than Meets the Eye?
D190  Performance of Molecular Diagnostic Algorithms of T-Cell Mediated Kidney Rejection (TCMR) in Non-Transplant Biopsies with Interstitial Nephritis  
Zijie Wang, Peng Liu, George Tseng, Gang Zeng, Parmjeet Randhawa.  
Pittsburgh, PA.

D191  Delayed Achievement of Therapeutic Tacrolimus Levels after Renal Transplantation is Not Associated with Increased Incidence of Early Acute Rejection: Single-Center Results  
Seattle, WA.

D192  Long-Term Outcomes of Graft Function in Elderly Kidney Transplant Recipients  
Iman Bajjoka, Alexander Yaldo, Catherine Crombez, Marwan Abouljoud.  
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D193  Multivariate Cox Proportional Hazards Model for Estimating Long-Term Risk of Aging Kidney Transplant Recipients  
Alexander Yaldo, Iman Bajjoka, Xiaohua Han, Catherine Crombez, Marwan Abouljoud.  
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D194  Clinically Relevant Variation of Donor-Derived Cell-Free DNA during Longitudinal Surveillance of Renal Allografts  
Temple, TX; St. Louis, MO; Brisbane, CA; Baltimore, MD.

D195  Determining the Utility of Protocol Biopsies in Kidney Transplant Recipients  
Jay Patel, Keyvan Heshmati, Ashley Rogers, Ravinder Wali, Johann Jonsson, Chang Liu, Erica Emery, Devon Collins, Shkala Karzai, James Piper.  
Falls Church.

D196  Results of UNOS Survey on Diagnosis, Treatment and Follow-Up Evaluation of Clinical and Sub-Clinical TCMR and ABMR in Kidney Transplant Recipients  
Puneet Sood, Wida Cherikh, Alice Toll, Rajil Mehta, Chethan Puttarajappa, Sundaram Hariharan.  
Pittsburgh; Richmond.

D197  Highly Correlative Whole-Tissue Gene/protein Signatures to Score FFPE Transplant Biopsies with Inflammation and Acute Rejection  
Tara Sigdel, Mark Nguyen, Dejan Dobi, Szu-Chuan Hsieh, Julian Liberto, Flavio Vincenti, Zoltan Laszik, Minnie Sarwal.  
San Francisco.

D198  Diagnosis of Acute Renal Rejection Using Saliva Metabolome Analysis  
Hitoshi Iwamoto, Masahiro Sugimoto, Osamu Konnno, Yu Kihara, Takayoshi Yokoyama, Yuki Nakamura, Makoto Sunamura, Takuya Ueno.  
Hachioji, Tokyo, Japan; Hachioji, Japan.

D199  Belatacept-Refractory CD8+CD28-CD38hi Effector/Memory T Cells Are Targeted by mTOR Inhibition Leading to a Preferential Loss of CD40L  
Cincinnati, OH.

Liver - Kidney Issues in Liver Transplantation

D200  † New SLK Allocation Policy May Impact Transplant Outcomes in Women  
Giuseppe Cullaro, Ryutaro Hirose, Jennifer C. Lai.  
San Francisco, CA.

D201  † Liver Transplants from Older Donors Have Worse Outcomes in Elderly Recipients with Renal Dysfunction  
Randolph Schilke, Mohamed Safwan, Shunji Nagai, Marwan Abouljoud, Anita Patel.  
Detroit, MI.

D202  † Comparing Outcomes between Induction Immunosuppressive Therapies in Simultaneous Liver/Kidney Transplantation  
Ujwal Gautam, Trevor Reichman, Jonathan Yu, Sindhuja Koppu, Dipankar Bandyopadhyay, Marlon Levy, Gaurav Gupta, Layla Kamal.  
Richmond, VA.
Liver Transplantation with or without Left Renal Vein Ligation: Comparative Study of 105 Cases
Marcelo Perosa, Huda Noujaim, Juan Branez, Leonardo Toledo Mota, Beimar Zeballos, Regina Gomes Santos, Andre Watanabe, Gustavo Ferreira, Adriano Moraes, Alessandro Silvestre, Gabriela Tomaz Martinho, Nilton Ghiotti Siqueira, Tercio Genzini. Sao Paulo, Brazil; Brasilia, Brazil; Rio Branco, Acre, Brazil.

No Deleterious Effect from the Presence of Donor Specific Antibodies (DSA) or Positive Flow Cytometry Crossmatch (FCXM) on the Outcomes of Simultaneous Liver-Kidney (SLK) Transplant Recipients
Hasan Khamash, Anjushree Kumar, Bashar Agel, Raymond Heilman, Andres Jaramillo, Kunam Reddy, Adyr Moss. Phoenix.

Persistent Progressive Acute Kidney Injury and Graft Failure Post Liver Transplantation

Receiving Hypertensive Donor Has an Inferior Prognosis in Simultaneous Liver Kidney Transplantation Recipient
Zhiyong Guo, Zebin Zhu, Shanzhou Huang, Yunhua Tang, Zhiheng Zhang, Xiaoshun He, Guodong Chen. Guangzhou, Guangdong, China.

Intervention for Splenorenal Shunt May Decrease the Incidence of Post-Liver Transplant Acute Kidney Injury
Jingzhou Wang, Arash Nickkhohlg, Rauf Shahbazov, Shawn Pelletier, Daniel Maluf. Charlottesville, VA.

Predicting Acute Kidney Injury after Orthotopic Liver Transplantation Using a Recurrent Neural Network
Andrew Bishara, Rishi Kothari, Michael Bokoch, Claus Niemann, Dieter Adelmann. San Francisco.

Transplantation of DCD Livers vs. NDD and LDLT: Is There a Difference in Post-Transplant Kidney Dysfunction?

Derivation and Prospective External Validation of Prediction Models for Acute Kidney Injury in Adult Liver Transplant Recipients
Qianga Zhao, Zhiyong Guo, Maogen Chen, Sijia Ma, Jianwei Lin, Chuanzhao Zhang, Ming Han, Xiaoshun He. Guangzhou, China; Shenzhen, China.

Comparison of Outcome in Liver Transplant Patients with Renal Insufficiency and Intraoperative CVVH
Joseph Gosnell, Mohamed Safwan, Kelly Collins, Michael Rizzari, Atsushi Yoshida, Marwan Abouljoud, Shunji Nagai. Detroit, MI.

Midodrine Associated with Increased Mortality on Liver Transplant Waitlist
Jennifer A. Kall, Martin Hertl, Erik Schadde, Jennifer Poirier, Nicole Alvey, Edie Chan. Chicago, IL.

Clinical Analysis of Impact of Intraoperative Hepatic Blood Inflow on Acute Kidney Injury Following Allogeneic Liver Transplantation
Jialin Zhang, Qingpeng Liu, Xiaohang Li, Yiman Meng, Lei Yang, Chengshuo Zhang, Ning Sun, Ao Jiao, Jianzhen Lin. Shenyang, Liaoning, China.

Single-Dose Basiliximab Induction in Liver Transplant Recipients with Delayed CNI Initiation
D215  Assesment of a Novel Chronic Kidney Disease Educational and Goal Setting Tool among Liver Transplant Recipients
Rachael Leek, Jeong Park, Claire Koerschner, Jennifer Mawby, Julie Wright Nunes, Christopher Sonnenday, Pratima Sharma. Ann Arbor.

D216  Outcomes in Liver Transplant Patients on Renal Sparing Protocol
Alexander Polyak, Daniel R. Ganger, Aneesha A. Shetty. Valhalla, NY; Chicago, IL.

D217  Assessment of Donor Specific Anti-HLA Antibodies throughout SLK Transplantation
Peter T. Jindra, Michael L. Kueht, Stacie Gray, Derrick Giang, Matthew F. Cusick, Abbas Rana, Bhamidipati V. Murthy, Whitson B. Etheridge, John A. Goss, Ronald H. Kerman. Houston, TX.

D219  † The Learning Curve in 100 Consecutive Live Liver Donors Undergoing Pure Laparoscopic Right Hepatectomy

D220  † Medical and Psychosocial Outcomes of Directed and Non Directed Living Liver Donors

D221  Living Donor Liver Transplant (LDLT) at a Single Center: Intraoperative Technical Modifications and Optimization of Flow Dynamics to Improve Outcomes
Abhinav Humar, Swaytha Ganesh, Amit Tevar, Michele Molinari, Christopher Hughes. Pittsburgh.

D222  Modified Protocol for ABO-Incompatible Living Donor Liver Transplantation with Rituximab and Intravenous Immunoglobulin without Plasma Exchange

D223  Comparison of Pure Laparoscopic vs Open Living Donor Right Hepatectomy
Boram Lee, YoungRok Choi, Ho-Seong Han, Yoo-Suk Yoon, Jai Young Cho. Gyeonggi-do, Korea.

D224  Postoperative Immunological Profiles of Adult ABO-Incompatible Living Donor Liver Transplant Recipients
Ting-Jung Wu, Yu-Chao Wang, Chih-Hsien Chen, Tsung-Han Wu, Chen-Fang Lee, Hong-Shiue Chou, Kun-Ming Chan, Wei-Chen Lee. Taoyuan, Taiwan.

D225  Living Liver Donation: The Role of Facebook in Directed Donation

D226  Surgical Technique and Outcomes of Portal Vein Reconstruction of Adult-to-Adult Living Donor Liver Transplantation Recipients with Portal Vein Thrombosis
Naohisa Kuriyama, Aoi Hayasaki, Takehiro Fujii, Yusuke Iizawa, Hiroyuki Kato, Yasuhiro Murata, Akihiro Tanemura, Yoshinori Azumi, Masashi Kishiwada, Shugo Mizuno, Masanobu Usui, Hiroyuki Sakurai, Shuji Isaji. Tsu, Mie, Japan.

D227  The Safety and Efficacy of Splenic Artery Ligation in Living Donor Liver Transplant Recipients
Yusuf Gunay, Swaytha Ganesh, Michele Molinari, Amit Tevar, Christopher Hughes, Abhinav Humar. Pittsburgh.

D228  Small-for-Size Grafts Increase Recurrence of Hepatocellular Carcinoma in Liver Transplantation beyond Milan Criteria
Recipient ABO Blood-Type is Associated with Their Survival after Adult-to-Adult Living-Donor Liver Transplantation: Blood-Type O is Disadvantage?

Single-Center Experience of Biliary Reconstruction for Multiple Bile Duct in Right Lobe Living Donor Liver Transplantation
Joo-Dong Kim, Dong-Lak Choi, Tae-Yoon Kim. Daegu, Korea.

Occupational and Financial Outcomes of Directed and Non-Directed Living Liver Donors

Living Liver Donors Face Substantial Out-of-Pocket Donation-Related Costs

Pregnancy Outcomes after Living Liver Donation

The Effect of Donor-Recipient Gender Matches on Living Donor Liver Transplantation
Jae Hyun Han, Young Kyoung You, Ho Joong Choi, Bong Jun Kwak, Dong Goo Kim. Seoul, Republic of Korea.

Advancement in Perioperative Outcomes of Living Donors in Pure Laparoscopic Right Hepatectomy
YoungRok Choi, Ho-Seong Han, Yoo-Suk Yoon, Jai Young Cho, Bo-Ram Lee. Seongnam, Republic of Korea.

Water-Jet Dissection for Donor Hepatectomy during Living Donor Liver Transplantation

Complications and QoL after Living Donor Hepatectomy: Analysis of 176 Cases at a Single Center
Srithath Chinnakotla, Varvara Kirchner, Steven Mongin, Danielle Berglund, Oscar Serrano, Timothy Pruett. Minneapolis.

Living Liver Donation is Safe in Donors Heterozygous for an alpha-1 Antitrypsin Gene Mutation

Impact of Donor Age on Outcomes after Living Donor Liver Transplantation

Impact of Preserved Collateral Veins on Small-for-Size Grafts in Living Donor Liver Transplantation

Renal and Bone Safety in Post Liver Transplant Patients with Chronic Kidney Disease Receiving Tenofovir Alafenamide for HBV Prophylaxis
Edward Gane, Bibin George, Stephen Munn, HongYuan Wang, Vithika Suri, Anuj Gaggar. Auckland, New Zealand; Foster City, CA.
Mustafa Nazzal, Gary Marklin, Obi Okoye, Youngjoon Kim, Rosemary Ouseph. Saint Louis, MO.

**D243**  Benefit of Anti-Hepatitis B Immunoglobulin (HBIG) Monotherapy Compared to HBIG Combined with Entecavir in Long Term Renal Function
Jae Geun Lee, Deok Gie Kim, Jung Jun Lee, Sung Hoon Kim, Hyoung Sonn Lee, Seung Hwan Song, Jee Youn Lee, Min Ki Ju, Gi Hong Choi, Dong Jin Joo, Jin Sub Choi, Soon Il Kim, Yoon Bin Jung. Seoul, Republic of Korea; Seongnam, Republic of Korea; Wonju, Republic of Korea; Ilsan, Republic of Korea.

**D244**  Efficacy of Generic Sofosbuvir and Branded Daclatasvir Compared to Sofosbuvir and Ledipasvir Combination in the Treatment of Genotype 4 Hepatitis C Virus

**D245**  Effect of Direct-Acting Hepatitis C Treatment Regimens on Calcineurin Inhibitors in Liver and Kidney Transplant Patients
M. Laub, J. Byrns, M. Harris, C. Berg, S. Sanoff. Durham, NC.

**D246**  Outcomes of Antiviral Treatment (AVT) in Hepatitis C Virus (HCV) Liver Transplant (LT) Patients off Immunosuppression (IS) in Direct Acting Antivirals (DAA) Era
Eliana Z. Agudelo, Isabel Campos-Varela, Norah A. Terrault. San Francisco, CA; Santiago de Compostela, Spain.

**D247**  Treatment and Outcomes of Orthotopic Liver Transplant Patients Secondary to Hepatitis C Virus: A Single Center Experience
Tracy Yixin Chen, Mozhgon Moaddab, Brett Pierce, Rafik Ghobrial. Houston, TX.

**D248**  Hepatitis C Recurrence after Liver Transplant: A Comparison of Antibody Induction versus No Antibody Induction
Shree Patel, Joan Jin, Enrico Benedetti, Patricia West-Thielke. Chicago.

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**Stem Cell, Cellular Therapies and Regenerative Medicine**

**D249 †**  Enhancement of Muscle Regeneration and Function via Transplantation of Human Dystrophin Expressing Chimeric Cells as a Novel Myoblast Stem-Cell Based Therapy
Maria Siemionow, Joanna Cwykiel, Enza Marchese, George Rafidi, Katarzyna Futoma, Ahlke Heydemann, Jesus Garcia-Martinez, Erzsebet Szilagyi. Chicago.

**D250**  Exosomes from Umbilical Cord-Derived Mesenchymal Stem Cells on Hepatocytes Proliferation after Small-for-Size Liver Transplantation via RHO/ROCK Pathway

**D251**  Mitochondrial Quality Control through PGC-1α in Syngenic Mouse Heart Transplant
Anne D. Cherry, Kris M. Porter, Hagir B. Suliman, Jun Wang, Michael S. Mulvihill, Allan D. Kirk. Durham, NC.

**D252**  Extracellular Vesicles Derived from Huc-MSCs Alleviate Rat Hepatic Ischemia-Reperfusion Injury by Suppressing Oxidative Stress and Neutrophil Inflammatory Response

**D253 †**  Allogeneic Mesenchymal Stem Cells as Induction Therapy Are Safe and Feasible in Renal Allografts: Pilot Results of a Multicenter Randomized Controlled Trial
Qipeng Sun, Fei Han, Ming Zhao, Ronghua Cao, Daqiang Zhao, Zhengyu Huang, Liangqing Hong, Yanwen Peng, Qiquan Sun. Guangzhou, China.
Surgical Issues (Open, Minimally Invasive): All Organs

D254 † Ischemia-Free Liver Transplantation for Fatty Liver Grafts in Human
Weiqiang Ju, Shanzhou Huang, Zhiyong Guo, Guodong Chen, Xiaoshun He.
Guangzhou, China.

D255 Postoperative Renal Function Predicts Length of Stay for Incisional Hernia Repair after Liver Transplantation
Indianapolis, IN.

D256 The Grade of Pre-Transplant Portal Vein Thrombosis in Liver Transplant Recipients Impacts Graft and Patient Survival
Detroit, MI.

D257 Preventing Recurrence of Incisional Hernia after Liver Transplantation
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D258 Liver Transplantation Post Gastric Bypass: Surgical Complications and Outcomes
Adarsh Vijay, Aradhya Nigam, Raffaele Girlanda, Alexander Kroemer, Jason Hawksworth, Cal Matsumoto, Thomas Fishbein.
Washington, DC.

D259 Incisional Hernia after Orthotopic Liver Transplantation: A Systematic Review and Meta-Analysis
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D260 Corner-Saving Renal Artery Anastomosis for Renal Transplantation
Aydincan Akdur, Murat Kus, Gokhan Moray, Sedat Yildirim, Feza Yarbug Karakayali, Kenan Caliskan, Mehmet Haberal.
Ankara, Turkey; Adana, Turkey; Istanbul, Turkey.

D261 Upper Limb Early Cannulation Arteriovenous Grafts (eCAVG) for Complex Vascular Access – A Healthy Alternative to Central Venous Catheters (CVC)
Muhammad Arslan Khurram, Irene Mosca, Francis Calder.
London, United Kingdom; Oxford, United Kingdom.

D262 Technical Aspects of Orthotopic Liver Transplantation – A Survey-Based Study within the Eurotransplant, Swisstransplant, Scandiatransplant and British Transplantation Society Networks
Aachen, Germany; Gent, Belgium; Zurich, Switzerland; Oslo, Norway; London, United Kingdom.

D263 Laparoscopic Donor Nephrectomy Safety: Experience of 500 Cases in Hispanic Population at a Single Institution
Yenny Baez Suarez, Fernando Giron Luque, Javier Amaya Nieto.
Bogota, Colombia.

D264 Sequential Percutaneous Insertion of Two Plastic Biliary Stents through One Percutaneous Access for Biliary Anastomotic Strictures after Liver Transplantation
Ankara, Turkey.

D265 Prostate Cancer Characteristics in Men on Immunosuppressive Medications
Cleveland.
D266  The Technique of Ileobladder and Kidney Transplantation in Rats and Pigs

D267  Closing Pandora’s Box: An Evidence Based Approach to Opioid-Tolerant Patients Following Transplantation. The Case for IV Methadone
Annas Aljassem, Levi M. Hall, Steven Cohn, Damanpreet Bedi, Mohammed Alsibae, Krishna Putchakayala, Syed Tasleem, Dilip Samarapungavan, Christopher Carpenter, Alan Koffron. Royal Oak, MI.

D268  The Anterior Rectus Sheath Approach Resulted in No Difference in Wound Complication Rates in Obese versus Non-Obese Renal Transplant Recipients
Scott King, Sharon Hill, Lorie Lipscomb, Alice Jones, Robert Jeffries, Joseph Africa. Cleveland, OH; Charleston, WV.

Late Breaking

D269  Noninvasive Quantization of Intra-Renal Allograft C4d Deposition with Targeted Ultrasound Imaging
Tao Liao, Yannan Zhang, Jie Ren, Haofeng Zheng, Hongjun Zhang, Xiaonan Liu, Tinghui Yin, Qiuan Sun. Guangzhou, Guangdong, China.

D270  An Open-Label Proof-of-Principle Phase 2a Study to Evaluate Autologous Hematopoietic Stem Cell Transplantation for Allogeneic Organ Transplant Tolerance (ASCOTT)
Andrzej Chruscinski, Harold Atkins, Meaghan Macarthur, Clement Anne Marie, David Grant, Christopher Bredesen, Eberhard Renner, Leslie Lilly, Nazia Selzner, Oyedele Adeyi, Robert Smith, Sajad Moshkelgosh, Atul Humar, Stephen Juvet, Gary Levy. Toronto, ON, Canada; Ottawa, ON, Canada.

D271  Living Donor Liver Transplantation for Hepatocellular Carcinoma beyond UCSF Criteria: Can We Achieve a Modest Long-Term Survival? A Single Center Retrospective Analysis of Using Extended Criteria
Ashok Thorat, Long-Bin Jeng, Shih-Chao Hsu, Chun-Chieh Yeh, Te-Hung Chen, Horng-Ren Yang, Kin-Shing Poon, Ping-Chun Li. Taichung, Taiwan.

D272  Outcomes of Donation after Cardiac Death Liver Grafts from Donors ≥ 50 Years of Age: A Multi-Center Analysis
Kristopher P. Croome, Amit K. Mathur, David D. Lee, Adyr A. Moss, Charles B. Rosen, Julie K. Heimbach, C. Burcin Taner. Jacksonville, FL; Rochester, MN; Scottsdale, AZ.

D273  A High Abdominal Aortic Calcification Score by Dual X-Ray Absorptiometry (DXA) is Associated with Cardiovascular Events after Kidney Transplantation

D274  Identifying Patients with CPRA>99.95% Likely to Be Offered Deceased Donor Kidneys
Ronald Parsons, Shalini Bumb, Hannah Decker, Robert Bray, Howard Gebel. Atlanta, GA.

D275  Variation in Hypothermic Machine Perfusion Utilization and Clinical Outcomes for Deceased-Donor Kidneys
Vijay Krishnamoorthy, Scott Wunsch, Kevin O’Connor, Michael Souter. Durham, NC; Bellevue, WA; Seattle, WA.

D276  Bone Marrow Derived Myeloid Suppressor Cell (BM-MDSCs) Prolongs the Graft Survival in Murine Heart Transplantation
Koichiro Uchida, Keiichi Fujimoto, Kazuyoshi Takeda, Hisashi Bashuda, Enzhi Yin, Ko Okumura. Tokyo, Japan.
A Single Center Outcomes Analysis of UNOS Defined “Hard to Place Kidneys”
Yasir Qazi, Kristina Lee, Amanda Jones, Lorena Aguirre, Marie Parma, Miroslav Smogorzewski, Thin Thin Maw, Linda Sher. Los Angeles, CA.

Defective Innate Immune Response to Opportunistic Pathogens in Cytomegalovirus-Infected Monocytes

Gastrointestinal Autologous Reconstruction for Management of Chronic Gut Failure in the New Era of Visceral Transplantation

Organ Donation and Transplantation in US States and Europe – Is There a Benefit to Opting Out?
Ryan J. Vela, Jessica Pruszynski, Tom Mone, Patricia Niles, Matthias Peltz. Dallas, TX; Los Angeles, CA.

Hypothermic Oxygenated Machine Perfusion in Liver and Kidney Transplantation of Extended Criteria Donors: A Phase-1 of Clinical Trial
Matteo Ravaoli, Vanessa De Pace, Matteo Cescon, Massimo Del Gaudio, Valentina Rosa Bertuzzo, Antonio Siniscalchi, Antonietta D’Errico, Giorgia Cornai, Gaetano La Manna, Antonio Daniele Pinna. Bologna, Emilia Romagna, Italy.

Maximizing Utilization in Pancreas Transplantation: Phenotypic Characteristics Differentiating Aggressive from Nonaggressive Transplant Centers
Oscar K. Serrano, David M. Vock, Ty B. Dunn, Raja Kandaswamy, Erik B. Finger. Minneapolis, MN.

Depressive Symptoms, Medication Nonadherence, and Clinical Outcomes Following Lung Transplantation
Michael C. Chu, Patrick J. Smith, Gregory L. Stonerock, James A. Blumenthal. Singapore, Singapore; Durham, NC.

mRNA Transcript Profiling of 3 Genes in Renal Allograft Biopsies (Bx) Improves Accuracy of Antibody-Mediated Rejection (ABMR) Diagnosis in Transplant Recipients Desensitized with IVIG+Rituximab+Immunoglobulin G-Degrading Enzyme of Streptococcus Pyogenes (IdeS)
Hao Zhang, Cynthia Nast, Janice Doldron, Mandy Cheung, Ashley Vo, Stanley Jordan, Mieko Toyoda. Los Angeles, CA.

Building a Third-Party VST Bank from Scratch- The Cincinnati Experience
Adam S. Nelson, Daria Heyenbruch, Xiang Zhu, Stella M. Davies, Carolyn Lutzko, Catherine Bollard, Patrick Hanley, Thomas Leemhuis, Lara Danziger-Isakov, Michael S. Grimley. Cincinnati, OH; Washington, DC.

The AKI-Predict-Score: A New Prediction Model for Acute Kidney Injury after Liver Transplantation
Marit Kalisvaart, Andrea Schlegel, Ilaria Umbro, Keith Roberts, Darius Mirza, Thamara Perera, John Isaac, Anna Paola Mitterhofer, Jeroen de Jonge, Paolo Muiesan. Birmingham, United Kingdom; Rome, Italy; Rotterdam, Netherlands.

Delivery of Culturally-Competent Transplant Care among Hmong Kidney Transplant Recipients: Outcomes from a Single Institution

De Novo Belatacept in Clinical Vascularized Composite Allotransplantation
**Poster Session D**

**Tuesday, June 5**

D289  **Effect of Belatacept on Late Acute Rejection Episodes and Graft Loss in Young Adults between the Ages of 18-24 Years: Post-Hoc Analysis of BENEFIT Study**
Asha Moudgil. Washington, DC.

D290  **GDF15 Preventing Renal Ischemia Reperfusion Injury**

D291  **Living-Donor Preemptive Kidney Transplant Timing Calculator: An Online Decision Support Tool**
Masoud Barah, Murat Kurt, Anahita Khojandi, Bekir Tanriover. Knoxville, TN; North Wales, PA; Dallas, TX.

D292  **Hypothermic Machine Perfusion Protects DCD Liver Graft through Metabolism of Xenobiotics by Cytochrome P450 Pathway**
Qifa Ye, Wenjin Liang, Zibiao Zhong, Shaojun Ye, Bo Tang, Qianchao Hu, Juntao Liang, Yanfeng Wang. Wuhan, China; Changsha, China.

D293  **Laparoscopic Donor Nephrectomy - The BMI Effect**
Vincent Chia, Farhi Khan, Michael Newell, Linda J. Chen. Bristol, England, United Kingdom; Galway, Ireland; Miami.

D294  **Weight Changes before and after Kidney Donation**
Ann Bugeja, Sophie Harris, Jaclyn Ernst, Kevin D. Burns, Greg Knoll, Edward G. Clark. Ottawa, ON, Canada.

D295  **Prophylaxis of Wound Infections-Antibiotics in Renal Donation (POWAR): A Multicentre UK Double Blinded Placebo Controlled Randomised Controlled Trial**

D296  **Barriers and Disparities in Listing for Pediatric Solid Organ Transplant**
Elizabeth A. Steinberg, Cindy Buchanan, Michael Wachs, Sarah Schmiege. Aurora, CO; Aurora.

D297  **Is Kidney Transplantation Safe in Patients over 71 Years Old?**
Gianluigi Andani, Patrizia Tulissi, Maria Gropuzzo, Sara Crestani, Clotilde Vallone, Umberto Baccarani, Domenico Montanaro, Andrea Risaliti. Udine, Italy.

D298  **Phosphoproteomic Analysis of Mouse Hepatic Ischemia/Reperfusion Injury**
Ali Zarrinpar, Sergio Duarte, Yimu Lai. Los Angeles, CA; Gainesville, FL.

D299  **Liver Preservation with Machine Perfusion and a New Human-Derived Hemoglobin-Based Oxygen Carrier Solution (HDHBOC)**
William R. Light, Ashok Malavalli, Kim Vandegefrin, Paulo Fontes. Natick, MA; Pittsburgh, PA.

D300  **Livers from Diabetic Donors Can Safely Be Used in Donation after Circulatory Death Liver Transplantation**
Isabel Brüggenwirth, Indre Vasilijauskaite, Andrie Westerkamp, Wojciech Polak, Andries Braat, Robert Porte. Groningen, Netherlands; Rotterdam, Netherlands; Leiden, Netherlands.

D301  **Precision (re)Phenotyping of Histologically Stable Kidney Transplants**
Dmitry Rychkov, Tara Sigdel, Marina Sirota, Minnie Sarwal. San Francisco, CA.

D302  **Hypothermic Machine Perfusion Protects Rabbit Kidney Graft through Down Regulation SPP1-MMP7 Signaling Axis**
Qianchao Hu, Zibiao Zhong, Shuai Xue, Wenjin Liang, Jia’nan Lan, Juntao Liang, Yan Xiong, Yanfeng Wang, Qifa Ye. Wuhan, China; Changsha, China.

D303  **How Early is Too Early for a Preemptive Kidney Transplant? A Markov Decision Process-Based Retrospective Analysis**
Murat Kurt, Anahita Khojandi, Masoud Barah, Bekir Tanriover. North Wales, PA; Knoxville, TN; Dallas, TX.