American Transplant Congress
Meeting Office
1120 Route 73, Suite 200
Mount Laurel, NJ  08054
Telephone: 856-439-0500
Fax: 856-439-0525
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<td>Transplant Center QAPI and Advanced Leadership: Navigating the Complex Regulatory Waters</td>
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<td>The Art and Science of Transplantation (In collaboration with NATCO and ITNS)</td>
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<td>Immunobiology of ABMR – Bench to Bedside</td>
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| 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

Marwan Abouljoud, MD
Henry Ford Hospital
Detroit, MI, 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 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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<td>Update On Microbiota in Regulation of Immunity and Tolerance</td>
<td>Maria-Luisa Alegre, MD, PhD</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>
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<td>4:00 pm</td>
<td>Memory Cells and Their Impact on Allograft Tolerance</td>
<td>Mandy Ford, PhD</td>
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<td>Therapeutic Approaches to Rejection</td>
<td>Enver Akalin, MD</td>
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<td>Chronic Graft Rejection- Mechanisms and Emerging Approaches</td>
<td>Roslyn Mannon, MD</td>
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<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>
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<td>Icahn School of Medicine at Mount Sinai</td>
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<td>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>
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<td>T Cells and Their Effector Mechanisms in Rejection</td>
<td>Robert Fairchild, PhD</td>
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<td>The Life Cycle of B Cells and Their Roles in Alloimmunity</td>
<td>Geetha Chalasani, MD</td>
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<td>Essential Mechanisms Regulating Immune Responses</td>
<td>Qizhi Tang, PhD</td>
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<td>3:05 pm</td>
<td>The “Holy Grail” of Transplantation Tolerance</td>
<td>Jonathan Maltzman, MD</td>
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<td>Discussion</td>
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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

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

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

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

Nicole 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

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 1.5cm Mass on Imaging.

2:00 pm  The NodularLiver 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
4:40 pm  Discussion
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.
### AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Sunday, June 3, 2018

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<td>Keep It Going! Long-Term Success After Heart Transplant</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>Understanding and Optimizing Liver Transplantation Outcomes in the Obese Cirrhotic Patient</td>
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<td>Decision-Making for the Complicated Diabetic Patient</td>
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<td>New Indications and Approaches in Targeting Tregs</td>
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<tr>
<td>10:00 am – 10:15 am</td>
<td>AST Lifetime Achievement Award</td>
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<td>Room Hall 4B</td>
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<tr>
<td>10:15 am – 10:30 am</td>
<td>ASTS Research Awards</td>
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<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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<td>Page 21</td>
<td>Liver Transplantation for Alcohol Hepatitis</td>
<td>Room 6C</td>
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</table>
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  Satellite Symposia
Located in the Sheraton Seattle Hotel

Supported by Sanofi Genzyme

Grand Ballroom A/B, Second Floor

Supported by One Lambda

Metropolitan Ballroom A/B, Third Floor

1:00 pm – 2:15 pm  Luncheon Workshops

Controversies in BK: A Case-Based Approach
Room 205

Social Media in Organ Donation and Education
Room 310

Luncheon Workshop: Care of Allograft Recipients in Transition (CARE - ART)
Room 204

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

The Science, The Art, And The Allure of Transplantation
Room 618-620

2:30 pm – 5:30 pm  Student Program

The Science, The Art, And The Allure of Transplantation
Room 618-620

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

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

Antigen Presentation / Allorecognition / Dendritic Cells
Room 4C-3

Islet Cell and Cell Transplantation
Room 2AB

Kidney Acute Antibody Mediated Rejection
Room Hall 4B

Kidney Deceased Donor Allocation - 1
Room 6E

Kidney Immunosuppression: mTORi Based Regimens
Room 6A

Kidney Infectious - Viral Hepatitis
Room 4C-4

Kidney Living Donor: Selection
Room 606/607

Kidney: Pediatrics - 1
Room 3AB

Liver: Immunosuppression and Rejection
Room 6B

Liver: Recipient Selection
Room 6C

Lung: From Allocation to Outcomes
Room 303

Small Bowel: All Topics
Room 210

Xenotransplantation
Room 602/603/604

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

Innovation in Transplantation: Leadership and Education (In Collaboration with NATCO and ITNS)
Room 615-617

Health Literacy
Room 615-617

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

Acute Rejection
Room 6A

Kidney Complications: Disease Recurrence
Room Hall 4B

Kidney Donor Selection / Management Issues - 1
Room 6E

Kidney Immunosuppression: Co-Stimulation Based Regimens
Room 6C

Kidney Psychosocial - 1
Room 210

Kidney Transplant Goes Viral
Room 606/607

Kidney: Cardiovascular and Metabolic - 1
Room 303

Liver - Kidney Issues in Liver Transplantation
Room 6B

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

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

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

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<tr>
<td>7:00 am</td>
<td>How Should We Monitor and Immunosuppress?</td>
<td>Allen Anderson, MD</td>
<td>Northwestern University</td>
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<td>Chicago, IL, USA</td>
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<td>7:20 am</td>
<td>Getting Kids to Adulthood – Managing The Pediatric Population</td>
<td>Hannah Copeland, MD</td>
<td>University of Mississippi</td>
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<td>Jackson, MS, USA</td>
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<td>7:40 am</td>
<td>A Third Chance – Which Patients and When for Retransplantation?</td>
<td>Howard Eisen, MD</td>
<td>Drexel University College of Medicine</td>
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**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

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<tr>
<td>7:00 am</td>
<td>Screening, Evaluation, And Treatment of Porto-Pulmonary Hypertension (POPH)</td>
<td>Michael Fallon, MD</td>
<td>University of Arizona College of Medicine</td>
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<td>Phoenix, AZ, USA</td>
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<td>7:20 am</td>
<td>Current Approach to Hepatopulmonary Syndrome (HPS) Diagnosis and Management</td>
<td>Michael Krowka, MD</td>
<td>Mayo Clinic</td>
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<td>Rochester, MN, USA</td>
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**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

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<tr>
<td>7:00 am</td>
<td>Predicting Lymphocyte Crossmatch Outcomes Virtually</td>
<td>Anat Tambur, DMD, PhD</td>
<td>Northwestern University</td>
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<td>7:20 am</td>
<td>Utilization of Virtual Crossmatching Across All Solid Organ Types with Accuracy: Limitations for Hitting the Target</td>
<td>Robert Bray, PhD</td>
<td>Emory University Hospital</td>
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<td>Atlanta, GA, USA</td>
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<td>7:40 am</td>
<td>Virtual Crossmatch: Patient Outcomes and Future Directions</td>
<td>Peter Jindra, PhD</td>
<td>Baylor College of Medicine</td>
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**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

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<td>7:00 am</td>
<td>Hopkins Team: Use of HCV + Donors Should Be Considered Standard of Care</td>
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Team Mentor:
Christine Durand, MD
Johns Hopkins University School of Medicine
Baltimore, MD, USA

Andrew Cameron, MD, PhD
Johns Hopkins University
Baltimore, MD, USA

Hopkins Team:
Russell Wesson, MBChB
Johns Hopkins University
Baltimore, MD, USA

Jaime Glorioso, MD
Johns Hopkins University
Baltimore, MD, USA

William Werbel, MD
Johns Hopkins University
Baltimore, MD, USA

Mary Grace Bowring, MPH
Johns Hopkins University
Baltimore, MD, USA

Chelsea Song, PharmD, BCPS
Johns Hopkins University
Baltimore, MD, USA

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

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

8:15 am - 8:30 am

**Break**

**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)

8:30 am  Neurocognitive Outcomes in Very Young Transplant Recipients
Beth Logan, PhD
Children’s Hospital of Pittsburgh of UPMC
Pittsburgh, PA, USA

7:00 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
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, Vasiliaki Besa, 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 10:00 am – 10:15 am
Room Hall 4B

AST Lifetime Achievement Award

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

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

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: Rebuttal
Paige Porrett, MD, PhD
University of Pennsylvania
Philadelphia, PA, USA

12:05 pm CON: Rebuttal
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: Rebuttal
Priya Verghese, MD
University of Minnesota
Minneapolis, MN, USA

12:05 pm CON: Rebuttal
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

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
3:30 pm Chronic Allograft Dysfunction of the Lung, Clinical, Genomic and Immunological Insights
Scott Palmer, MD, MHS
Duke University Medical Center
Durham, NC, USA

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

2:30 pm mTORC2 Deficiency in CD11c+ dendritic Cells Promotes Acute Kidney Injury (Abstract #5)

2:42 pm 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.

2:54 pm 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.

3:06 pm 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.

3:18 pm Donor Deficiency of RIP3 Phosphokinase Activity Shortens Cardiac Allograft Survival in the Setting of Costimulation Blockade (Abstract #9)

3:30 pm In Vivo Imaging and Function of Renal Tertiary Lymphoid Organs (Abstract #10)
Khodor Abou-Daya, Daqiang Zhao, Amanda Williams, Martin Oberbarnscheidt. Pittsburgh.

3:42 pm 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)

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

2:30 pm 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.

2:42 pm 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.
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.

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

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.

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, Jua Choi, Nori Ammerman, Huang Edmund, Alice Peng, Reiad Najjar, Sethi Supreet, Stanley C. Jordan. LA, CA; Paris, France.

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

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.

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.

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. Bamoulid, S. Caillard, V. Chatelet, P. Malvezzi, J. Tourret, V. Vuiblet, D. Anglicheau, D. Bertrand, P. Grimbert, F. Haider, M. Hazzan, N. Kamar, P. Merville, C. Mousson, V. Pernin, C. Pouteil-Noble, R. Purgus, J. Sayegh, P. F. Westeel, M. Büchler. 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, Xinui 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)
Stanley C. Jordan, Suphamai Bunnaphradist, Jonathan S. Bromberg, Anthony J. Langone, David Hiller, James P. Yee, John J. Sninsky, Robert N. Woodward, Arthur J. Matas. Los Angeles, CA; Baltimore, MD; Nashville, TN; Brisbane, CA; Minneapolis, MN.

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

2:42 pm Pre-Transplant Assessment of AMR Risk by Novel Donor/recipient Non-HLA Variants (Abstract #25)
Silvia Pineda, Tara K. Sigdel, Jieming Chen, Annette M. Jackson, Marina Sirota, Minnie M. Sarwal. San Francisco; Baltimore.

Kidney Deceased Donor Allocation - 1

Room 6E
Chairs: Yolanda Becker, MD, University of Chicago, Chicago, IL, USA and Mitchell Henry, MD, Ohio State, Columbus, OH, USA

2:30 pm Inflammatory Frailty Index and Mortality after Kidney Transplantation (Abstract #26)
Christine Haugen, Hao Ying, Mara McAdams-DeMarco, Dorry Segev. Baltimore.

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, Ziphezhinhle 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, Kyy Ha Huh. Seoul, Korea; Seongnam, Korea.

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.

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

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.

Room 3AB
Chairs: Isa Ashoor, MD, LSU Health Sciences Center - New Orleans, New Orleans, LA, USA and Patricia Birk, MD, Children’s Hospital of Winnipeg, Winnipeg, MB, Canada

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.

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

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

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.

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.

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.

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.

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.

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

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)

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.

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.

3:06 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. Leversen, 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 Gurkar, Fizza Navqi, Benjamin Philosophe, Andrew Cameron, Niraj Desai, Shane Ottmann, Dorry Segev, Jacqueline Garonzik 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, Atsumi 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. Gurkar, 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. Ghobrial, 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)

2:54 pm EVLP on Donor Lungs: National Trends and Outcomes (Abstract #77)
Rebecca R. Lehman, Robert J. Carrico, Kimberly Uccellini, Kevin M. Chan, Timothy Whelan. Richmond, VA; Ann Arbor, MI; Charleston, SC.

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

3:18 pm Survival Rates of Patients with Previous Cardiac Surgery Undergoing Lung Transplant (Abstract #79)
Hiromichi Niikawa, Toshihiro Okamoto, Kamal S. Ayyat, Yoshifumi Itoda, Kenneth R. McCurry. Cleveland, OH.

3:30 pm A Propensity Matched Survival Analysis: Do Simultaneous Liver-Lung Transplant Recipients Need a Liver? (Abstract #80)
Kyle Freischlag, Brian Ezekian, Paul S. Schroder, Michael S. Mulvihill, Stuart Knechtie. Durham, NC.

3:42 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 Mazariegos, Geoffrey Bond, Mylarappa 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, Tomoaki 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)**

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, Guillerme 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 Jafari, Marwan Abouljoud. Detroit, MI.

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**Xenotransplantation**

**Room 602/603/604**

Chair: 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, Liaoran 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 DiChiacchio, Joshua Chan, Philip Corcoran, Billetta 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 OPDs
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

Hall 4EF

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Saint Louis, MO, USA

5:15 pm Panel Q&A Discussion

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.
**AMERICAN TRANSPLANT CONGRESS**
Program, Sunday, June 3, 2018

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<th>Time</th>
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<tr>
<td>5:18 pm</td>
<td>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.</td>
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<tr>
<td>5:06 pm</td>
<td>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.</td>
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<tr>
<td>5:30 pm</td>
<td>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.</td>
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<tr>
<td>5:18 pm</td>
<td>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.</td>
</tr>
<tr>
<td>5:42 pm</td>
<td>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.</td>
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**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

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<tr>
<td>4:30 pm</td>
<td>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.</td>
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**39**
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)

Elliott 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)

Elliott 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)

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<th>Time</th>
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<tr>
<td>5:06 pm</td>
<td>Belatacept Maintenance Immunosuppression Use and Outcomes in the Real-World Clinical Setting Using OPTN/UNOS Kidney Transplant Registry (Abstract #120)</td>
<td>S. Sanoff, K. Ravindra, W. Irish. Durham, NC; Raleigh, NC.</td>
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<td>5:18 pm</td>
<td>Belatacept in Kidney Transplant Recipients with Preformed Donor Specific Anti-HLA Antibodies: Results of the BELACOR Trial (Abstract #121)</td>
<td>Claire Leibler, Florence Canoui, Marie Matignon, Eric Rondeau, Anissa Zarour, Antoine Durrbach, Stéphanie Malard, Philippe Grimbert. Creteil, France; Paris, France; Le Kremlin Bicêtre, France.</td>
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<tr>
<td>5:30 pm</td>
<td>Tissue Talks: Graft’s Histological Findings 10 Years after Belatacept or CNI (Abstract #122)</td>
<td>G. A. Mondragon-Ramirez, N. O. Uribe-Uribe, J. M. Arreola-Guerra, R. Reyes-Acevedo, M. Vilatoba, J. Furuzawa-Carballeda, A. Lopez-Toledo, G. Mondragon-Salgado, J. Alberu. Cuernavaca, Mexico; Mexico City, Mexico; Aguascalientes, Mexico.</td>
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</table>
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)

Kidney Transplant Goes Viral

Room 606/607
Chairs: Sherif Mossad, MD, Cleveland Clinic, Cleveland, OH, USA and Nicole Theodoropoulos, MD, University of Massachusetts Medical School, Worcester, Massachusetts, USA

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.

5:18 pm Ciprofloxacine 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.

5:42 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)**
María Aurora Posadas Salas, Rafael Rodriguez, Prince Amaechi, Vinaya Rao, David Tabor. 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, Ahmed 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.
5:06 pm Ischemia Reperfusion Injury in Liver Transplantation is Associated with Acute Kidney Injury: Role of Inflammatory Mediators (Abstract #148)
Plamen Mihaylov, Ping Li, James Skill, Lava Timsina, Jonathan Fridell, Burcin Ekser, Richard Mangus, Chandrashekar Kubal. Indianapolis; Pavia, Italy.

5:18 pm Influence of Liver Allograft Steatosis on Postoperative Acute Kidney Injury (Abstract #149)
C. Jadlowiec, S. Mao, D. Abdelwahab, A. Nehra, T. Taner. Phoenix, AZ; Rochester, MN.

5:30 pm Factors Associated with the Development of Chronic Kidney Disease after Liver Transplantation (Abstract #150)
Marit Kalisvaart, Andrea Schlegel, Palak Trivedi, Keith Roberts, Darius Mirza, Thamara Perera, John Isaac, James Ferguson, Paolo Muijesan. Birmingham, United Kingdom.

5:42 pm Kidney Quality Influences Patient and Graft Survival in Liver Transplant Recipients with End Stage Renal Disease (Abstract #151)
Jose Reyes, Michael Eerhart, Juan Danobeita, Peter Chlebeck, Laura Zitur, Luis Fernandez. Madison.

4:42 pm Kidney Registration Volume vs. Expectation: Impact of ESRD Burden and Outreach (Abstract #153)
Amber R. Wilk, Read Urban, Robert J. Carrico. Richmond, VA.

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.

5:06 pm Worsening Racial/Ethnic Disparities in Pediatric Kidney Transplant Outcomes in the US (Abstract #155)
Tanjala Purnell, Xun Luo, Lisa Cooper, Deidra Crews, Karina Covarrubias, Allan Massie, Dorry Segev. Baltimore.

5:18 pm Development and Validation of a Socioeconomic Kidney Transplant Derailers Index (KTDI) (Abstract #156)

5:30 pm Race, Income, and Insurance Status Predict Migration for Liver Transplantation in the United States (Abstract #157)

5:42 pm The Impact of Early versus Late Clinical Outcomes on Disparities in African-American Kidney Transplant Recipients (Abstract #158)

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 Kucikra, Alvin Thomas, Allan Massie, Mark Sulkowski, Andrew Cameron, Niraj Desai, Dorry Segev. Baltimore.
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)

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, Abdallah Elkhal, 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 Followin 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
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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>
<td>Room 602-604</td>
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<td>Should I Accept this Donor? When to call your ID Friends at 2 AM - A Case-Based Panel</td>
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<td>Non-Directed Living Donors - A Debate</td>
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<td>Clinical Practice, Teaching, AND Research — Oh My! Tools to Ease the Transition to a New Pharmacist Position</td>
<td>Room 606-607</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>Sunrise Didactic</td>
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<td>Living Donor Liver Transplant: Inflow, Outflow, How Low Can We Go</td>
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<td>Bench to Bedside- Overcoming Sensitization and Donor Antibodies</td>
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1:00 pm – 2:15 pm Satellite Symposia Located in the Sheraton Seattle Hotel

Supported by Shire and Merck
Page 57 Grand Ballroom A-C, Second Level

Supported by Transplant Genomics
Page 57 Grand Ballroom D, Second Level

Supported by Novartis
Page 57 Metropolitan Ballroom A/B, Third Level

Page 57 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 |
Room 611-614

Page 57 B-cell / Antibody
Room 615/616/617

Page 57 CMV: Bench to Bedside
Room 608/609

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Room 618/619/620

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**Monday, June 4**
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
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
7:50 am  Endemic Mycoses  
Rachel Miller, MD  
Duke University  
Durham, NC, USA

Unconventional Pathways in Transplant Rejection  
Room 6E  
Moderators: Irene Kim, MD, Cedars Sinai Medical Center, Los Angeles, CA, USA and Peter Heeger, MD, Icahn School of Medicine at Mount Sinai, New York, NY, 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
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
<th>Institution/Location</th>
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<tbody>
<tr>
<td>11:51 am</td>
<td>Case Presentation –Intra and Postoperative Management of Severe Portopulmonary Hypertension</td>
<td>Sherif Kandil, MD</td>
<td>University of Southern California, Glendale, CA, USA</td>
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<tr>
<td>12:09 pm</td>
<td>Case Presentation –Futile Transplants? The Patient On Multiple Pressors and Ventilator Support</td>
<td>Vatche Agopian, MD</td>
<td>University of California, Los Angeles, CA, USA</td>
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<td>12:27 pm</td>
<td>Case Presentation –Transplanting Jehovah’s Witness with Acute and Chronic Disease</td>
<td>Yuri Genyk, MD</td>
<td>University of Southern California, Los Angeles, CA, USA</td>
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<tr>
<td>11:15 am</td>
<td>State of the Art CMV Prevention</td>
<td>Atul Humar, MD, MSC</td>
<td>Toronto General Hospital, Toronto, ON, Canada</td>
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<tr>
<td>11:45 am</td>
<td>Preventing the Consequences of EBV</td>
<td>Vikas Dharmadharka, MD, MPH</td>
<td>Washington University in St. Louis, Saint Louis, MO, USA</td>
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<td>12:15 pm</td>
<td>State of the Art Respiratory Viruses</td>
<td>Michael Ison, MD, MS</td>
<td>Northwestern University, Chicago, IL, USA</td>
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<tr>
<td>11:15 am</td>
<td>Molecular Dissection of T Cell Dysfunction</td>
<td>Alice Long, PhD</td>
<td>Benaroya Research Institute at Virginia Mason, Seattle, WA, USA</td>
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<td>11:45 am</td>
<td>Effects of CMV on T cell inflammation and Immunosenescence</td>
<td>Jonathan Maltzman, MD, PhD</td>
<td>Stanford University, Palo Alto, CA, USA</td>
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<tr>
<td>12:15 pm</td>
<td>T Cell Dysfunction and Its Clinical Impact/Translation</td>
<td>Wenhao Chen, PhD</td>
<td>Houston Methodist Research Institute, Houston, TX, USA</td>
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<td>11:15 am</td>
<td>Targeted Nanodelivery of Immunosuppression Drugs</td>
<td>Reza Abdi, MD</td>
<td>Brigham &amp; Women’s Hospital, Boston, MA, USA and Xunrong Lou, MD, PhD, Northwestern University, Chicago, IL, USA</td>
</tr>
<tr>
<td>11:45 am</td>
<td>Anti-PEG Antibodies: Current issues and beyond PEGylation</td>
<td>Shaoyi Jiang, MD</td>
<td>University of Washington, Seattle, WA, USA</td>
</tr>
</tbody>
</table>

**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 Dharmadharka, MD, MPH  
Washington University in St. Louis  
Saint Louis, MO, USA

12:15 pm  State of the Art Respiratory Viruses  
Michael Ison, MD, MS  
Northwestern University  
Chicago, IL, 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
12:15 pm Nanomaterials at the Crossroads of Tissue Engineering and Cancer Immunity
Miqin Zhang, PhD
University of Washington
Seattle, WA, 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

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 Electronic Management Tools for Donor Evaluation and Management
Dorry Segev, MD, PhD
Johns Hopkins University
Baltimore, MD, 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

Program Quality Assessment
Room 615-617
Moderators: James Pittman, RN, HCA Healthcare, Nashville, TN, USA and Mark Schnitzler, PhD, Saint Louis University, Shiloh, IL, USA

11:15 am Show Me the Data - Understanding UNOS Data Services, Benchmarking Reports, and CUSUM - Overview
Bob Carrico, PhD
United Network for Organ Sharing
Richmond, VA, USA

11:45 am Making Use of the Data - Avoiding Pitfalls in QAPI Design
Luke Preczewski
Jackson Health System
Miami, FL, 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

Break
12:45 pm – 1:00 pm

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

CMV and AMR in Transplant: A Focus on Graft Loss and Therapeutic Innovations  
Supported by Shire and Merck  
Grand Ballroom A-C, Level 2

Optimizing Immunosuppression, Precision Medicine, and Big Data: The Required Path for Innovation in Transplantation  
Supported by Novartis Pharmaceuticals Corporation  
Metropolitan Ballroom A/B, Level 3

Peripheral Blood Biomarkers for Guided Management of Kidney & Liver Transplant Recipients  
Supported by Transplant Genomics Inc.  
Grand Ballroom D, Level 2

Luncheon Workshops (Additional Fee)  
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 Schaanman, MD, PhD, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA and Marian Michaels, MD, MPH, Childrens 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  
The Incremental Cost of Incompatible Living Donor Kidney Transplantation: A National Cohort Analysis  
David Axelrod, MD, MBA  
Lahey Clinic  
Boston, MA, USA
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 Sirola, 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)

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.

3:06 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.

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)

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 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.

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.

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

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, Helmuth Haslacher, Christopher C. Kaltenecker, Marie-Bernadette Arechin, Rainer Oberbauer, Jeff Reeve, Philipp F. Halloran, Georg A. Böhmig. Viena, Austria; Vienna, Austria; Edmonton, AB, Canada.

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

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 Najjar, Dechu Puliyanda, Supreet Sethi, Mark Haas, Kathryn Lim, Alexandre Loupy, Stanley Jordan. Los Angeles, CA; Paris, France.

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, Abdellahkim Ferradj, Abeer Madbouly, Stephanie Fingerson, Kathryn Tinckam, 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)
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, Manwan 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 Waded, 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, Emiljo Poggio, Andrew Rule. Rochester, MN; Scottsdale, AZ; Cleveland, OH.
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<td>2:42 pm</td>
<td>Kidney Psychosocial - 2</td>
<td>Room 210</td>
<td>Chairs: Christopher Blosser, MD, University of Washington, Seattle, WA, USA and Clarence Foster, MD, TriStar Centennial Medical Center, Nashville, Tennessee, USA</td>
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<tr>
<td>2:54 pm</td>
<td>Trends, Patterns, and Recipient Outcomes of Kidney Transplants from Older (&gt;60) Living Donors. A UNOS Database Analysis (Abstract #220)</td>
<td>Asad Riaz, Oluwatsayo Adebiji, Muhammad S. Yaqub, Dennis P. Mishler, Tim Taber, Asif Sharfuddin. Indianapolis.</td>
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<td>3:06 pm</td>
<td>Donor Hypothermia Outcomes in Living Kidney Transplantation (Abstract #221)</td>
<td>Jacenta Buggs, Jin Wei, Ebonie Rogers, Ruisheng Liu, Victor Bowers. Tampa, FL.</td>
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<td>3:18 pm</td>
<td>Probability of Developing Chronic Kidney Disease 1 Year after Living Donor Nephrectomy Correlates with Baseline Kidney Volume and Function (Abstract #222)</td>
<td>I. E. Hall, A. Shaaban, S. Beddhu, F. Shihab. Salt Lake City, UT.</td>
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<td>3:30 pm</td>
<td>Effects of a Multimodal Pain Control Regimen in Living Donor Laparoscopic Nephrectomies (Abstract #223)</td>
<td>Elizabeth Thomas, Joelle Nelson, Edwardo Diaz. Gainesville, FL.</td>
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3:18 pm  Quality of Social Support Network and Access to Transplant: What Matters? (Abstract #229)  

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.

3:30 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)  

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

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  Comparison of 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.

2:30 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 Ettenger. Los Angeles, CA; Atlanta, GA; Durham, NC; Palo Alto, CA.

3:30 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.

2:42 pm  Are Donation after Cardiac Death (DCD) Kidneys Unsuitable for Pediatric Recipients? (Abstract #233)  
Malcolm P. MacConmara, Swee L. Levea, Christine S. Hwang. Dallas, TX.

3:42 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, Oshner 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.

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.

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.

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)

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.

3:30 pm  Detection of Different Gene Expression Profiles in CD8+ T Cells from Chronic High EBV Load Carriers after Pediatric Heart and Liver Transplantation (Abstract #272)
Masaki Yamada, Camila Macedo, Xinyan Gu, Marian Michaels, Michael Green, Christina Nguyen, Uma Chandran, Brian Feingold, George Mazariogos, Diana Metes. Pittsburgh, PA.

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

Surgical Issues (Open, Minimally Invasive): All Organs

Room 2AB
Chairs: Lokesh Bathla, Methodist Specialty & Transplant Hospital, San Antonio, Tx, USA and Peter Kim, MD, University of British Columbia, Vancouver, BC, Canada

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

2:42 pm  Robotic 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.

2:54 pm  Simultaneous versus Pretransplant Native Nephrectomy in Autosomal Dominant Polycystic Kidney Disease Patients (Abstract #276)
Mohamed Eltemamy, Alice Crane, Mary Elmer-Dewitt, Brend1n Frainey, Ahmed Elshafei, Alvin Wee, David Goldfarb, Venkatesh Krishnamurthi. Cleveland.

3:06 pm  Variation in Post-Transplant Opiate Prescribing Patterns across Transplant Centers (Abstract #277)
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, Rebecchau Baucom. Madison; Nashville; Dallas.

2:54 pm  First Birth after Uterus Transplant in the US (Abstract #283)

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, Atushi Yoshida, Marwan Abouljoud. Detroit, MI.

3:06 pm  An Individualized Strategy Using Virus and Immune-Based Markers to Prevent Cytomegalovirus Disease after Face Transplantation (Abstract #284)
Raymund R. Razonable, Hatem Amer, Samir Mardini. Rochester, MN.

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.

3:18 pm  Unsupervised Analysis of the Alloimmune Response in a Novel Model of Vascularized Composite Allotransplantation (Abstract #285)
James T. Harden, Adam X. Sang, Xiumei Qu, Carlos O. Esquivel, Olivia M. Martinez, Sheri M. Krams. Stanford, CA.

VCA

Room 303

Chairs: Vijay Gorantla, Wake Forest University Health Sciences, Winston Salem, NC, USA and Stefan Tullius, MD, PhD, Brigham & Women’s Hospital/Harvard Medical School, Boston, MA, USA

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

3:30 pm  End Stage Renal Disease after Face Transplant (Abstract #287)

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**

Moderators: Michelle Jesse, PhD, Henry Ford Health System, Detroit, MI, USA and Lyndsey Bowman, PharmD, Tampa General Hospital, Lithia, FL

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 Omoroge, 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, Déborah 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 p16INK4a 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-α 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 Llauadro, 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 Lefaucheur. 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


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) Reid 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) Sofia Järnum, Anna Runström, Lena Winstedt, Tomas Lorant, Christian Kjellman. Lund, Sweden; Uppsala, Sweden.

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, Reiad Najjar, Supreeta 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.
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)
Hala Yamout, Rosemary Ouseph, Mark A. Schnitzler, Huiling Xiao, Vikas R. Dharnidharka, Abhijit S. Naik, Ngan N. Lam, Farrukh Koraishy, Henry Randall, Daniel C. Brennan, Dorry L. Segev, Bert L. Kasiske, Greg P. Hess, Krista L. Lentine. St. Louis; Ann Arbor, Canada; Edmonton; Baltimore; Minneapolis; Conshohocken.

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

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. Detroit, MI.

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. Sapporo, Japan.

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. Scottsdale.

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Kidney: Surgical Considerations

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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.

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)

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.
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, Gelang Gan, David Mulligan, Udemé 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 Scheuermann, Robert P. Davis, Deepak S. Vikrman, 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 McClenny, Deborah Sears, Kawtar 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 C. 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 C. 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 Mazariogos. 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, Varadaan Gupta, Tihyan 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.
5:30 pm  Lab Turnaround Times: A Performance Improvement Project in Post Kidney/ Pancreas Transplant Clinic (Abstract #390)
Maggie Farrell, Sonam Kapadia. Los Angeles.

5:42 pm  Taking Your Center’s Temperature: Using a Heat Map to Target Your Transplant-Specific Education for Regulatory Compliance (Abstract #391)
Julie Anderson, Debra Cassidy, Derek Dubay, Patti Hart, Amy Hauser, Nicole Pilch. Charleston.

Strategies to Promote Transplant Tolerance

Room 606/607
Chairs: 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, Dharmandra 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.

5:06 pm  Identification of Anti-Inflammatory and Pro-Inflammatory Gut Microbiota That Determine Graft Survival (Abstract #395)

5:18 pm  Transplantation Tolerance Prevents CMV Reactivation and Preserves Kidney Allograft Function in a D+/R-Transplant Setting (Abstract #396)
Anil Dangi, Jiao-Jing Wang, Melanie Burnette, Zheng J. Zhang, Xunrong Luo. 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. Dehndi, 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>Sunrise Interactive</td>
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<td>Strategies to Ensure “Transplant-Readiness”: Preparing Patients for Post-Transplant Life in the Pre-Transplant Setting (Room 611-614)</td>
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<td>Sunrise Didactic</td>
<td>More than X or Y: Impact of Gender and Sex in Transplantation (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! (Room 4C-3)</td>
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<td>Controversies in Transplantation - Basic</td>
<td>Is the Microbiome Really Important in Transplantation? (Room 6E)</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? (Room Hall 4B)</td>
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<td>11:15 am – 12:45 pm</td>
<td>Midday Interactive</td>
<td>Reproductive Health in Solid Organ Transplantation (Room 615-617)</td>
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<td>The Science of Decision Making in Organ Allocation (Room 6B)</td>
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### AMERICAN TRANSPLANT CONGRESS

**Day-at-a-Glance, Tuesday, June 5, 2018**

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**Supported by Novartis**

| Page 93 | Grand Ballroom A-C, Second Floor |

**Supported by CareDx**

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**Page 94 Chronic Graft Injury**

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**Page 94 Donor Management: All Organs Excluding Kidney**

| Room 3AB |

**Page 96 Kidney Deceased Donor Allocation - 2**

| Room 6E |

**Page 96 Kidney Immunosuppression: General Considerations - 1**

| Room 6C |
2:30 pm – 6:00 pm  Featured Multidisciplinary Transplant Professionals Symposium III

Page 103  Transplantation in Older Adults – Part I
Room 611-614

Page 103  Transplantation in Older Adults – Part II
Room 611-614

Page 103  Transplantation in Older Adults – Part III
Room 611-614

2:30 pm – 6:00 pm  Pediatric Symposia

Page 104  Tolerance in Children and Improving Graft Longevity in Pediatric Transplantation
Room 615-617

4:30 pm – 6:00 pm  Pediatric Symposia

Page 104  Utilization of High Risk Donor Organs for Pediatric Transplantation
Room 615-617

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

Page 105  Biomarkers, Immune Monitoring and Outcomes: Clinical
Room 602/603/604

Page 106  Cellular Therapies and to Promote Tolerance
Room 606/607

Page 106  Kidney Complications: Antibody & Late Outcomes
Room 4B

Page 107  Kidney Donor Selection / Management Issues - 2
Room 6E

Page 108  Kidney Immunosuppression: General Considerations - 2
Room 6A

Page 109  Kidney Living Donation: Programmatic Issues
Room 6B

Page 109  Kidney: Perioperative Considerations
Room 303

Page 110  Liver: Hepatocellular Carcinoma and Other Malignancies
Room 6C

Page 111  Liver: Living Donors and Partial Grafts
Room 608/609

Page 112  New Approaches to Target Regulatory T Cells
Room 618/619/620

Page 112  New Frontiers in HIV and Hepatitis
Room 4C-3
Non-Organ Specific: Economics, Public Policy, Allocation, Ethics - Room 4C-4

Quality Assurance Process Improvement Room 2AB

Tolerance: Clinical Studies Room 210

Late Breaking Room 3AB

6:00 pm – 7:00 pm Poster Session D

7:30 pm – 10:30 pm ATC Night Out

Museum of Flight - Offsite
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 Gruessner, 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

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

7:25 am  Pathology 101: Pathological Manifestations Chronic AMR  
Anthony Demetris, MD  
University of Pittsburgh  
Pittsburgh, PA, USA

7:50 am  Diagnosis and Management of Chronic AMR in Liver Transplantation  
Michael Voigt, MD  
University of Iowa  
Iowa City, IA, USA

Antibiotic Use, Drug Resistance and Stewardship in Solid Organ Transplant Recipients
Room 6B  
Moderators: Shirish Huprikar, MD, The Mount Sinai Hospital, New York, NY, USA and Jonathan Hand, MD, Ochsner Medical Center, New Orleans, LA, USA

7:00 am  Antibiotics Use and C Difficile  
Aneesh Mehta, MD  
Emory Atlanta, GA, USA

7:25 am  Antibiotics 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
Next Generation Viral Diagnostics
Vincent Emery, BSc, PhD
University of Surrey
Guildford, United Kingdom

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

Construction of Organs by Tissue Engineering
Giuseppe Orlando, MD, PhD
Wake Forest University
Winston-Salem, NC, USA

Clinical Translation of Xenografts
Joseph Tector, MD, PhD
University of Alabama at Birmingham
Birmingham, AL, USA

Evolving Barriers in Xenotransplantation Arena
Mohamed Ezzelarab, MD
Thomas Starzl Transplant Institute
Pittsburgh, PA, 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

The Impact of KAS on Waitlist Management
Richard Formica, MD
Yale University
New Haven, CT, USA

Assessment of Cardiovascular Risk for Waitlisted Individuals
Jagbir Gill, MD
University of British Columbia
West Vancouver, BC, Canada

Real-time vs. Delayed Recipient Workup? Delayed
John Friedewald, MD
Northwestern University
Chicago, IL, USA

Real-time vs. Delayed Recipient Workup? Real-time
Emilio Poggio, MD
Cleveland Clinic
Cleveland, OH, USA

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

Regulatory Hurdles to Implementation: FDA and Industry Perspectives
Waleed Hassanein
Transmedics
Vienna, VA, USA

New Perfusion Technology: Implementation Experience in the Europe
Peter Friend, MD
University of Oxford
Oxford, United Kingdom

How will OPOs Adopt New Perfusion Technology
Kevin Myer, MSHA
LifeGift
Houston, TX, 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

Gender Based Disparity in Transplant Access and Outcomes – Bias or Biology?
Kimberly Forde, MD, MHS
University of Pennsylvania
Philadelphia, PA, USA

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

Population-Based Metrics Versus Wait-Listed Metrics of Demand
David Goldberg, MD, MSCE  
University of Pennsylvania  
Philadelphia, PA, 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

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

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 Kreisiel, 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

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

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
AMERICAN TRANSPLANT CONGRESS
Program, Tuesday, June 5, 2018

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 Eomesderminhi 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.

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

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.

3:00 pm Respiratory Viral Infections Induces Exosomes and Antibodies to Lung Self-Antigens, Kα1Tubulin and Collagen V, Following Human Lung Transplantation (Abstract #410)
M. Gunasekaran, S. Bansal, M. Sharma, R. Walla, 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, Jiangnan 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.

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

2:30 pm  Liver Stiffness Measurement, but Not Controlled Attenuation Parameter, is Increased in Deceased Liver Donors at the Time of Transplant Procurement (Abstract #417)
Andres Duarte-Rojo, Gary W. Barone, Daniel Borja-Cacho, Waldo Concepcion, Mohammed F. Shaheen, Julie Heimbach, W. Ray Kim. Little Rock, AR; Palo Alto, CA; Rochester, MN.

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)
Dougiss 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 Immunosuppression 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. Rebellato, Tomefa E. Asempa. 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)
Aileen Scheibner, Rory P. Remmel, David Schladt, William S. Oetting, Wei-hau Guan, Baolin Wu, Casey Door, Ajay Israni, Pamala Jacobson. Minneapolis, MN.

3:42 pm Development of Denovo DSA after One Year Post Kidney Transplant and Clinical Outcomes in Patient on Steroid Free Immunosuppression (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 Lubetzky, 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.

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.

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.

3:30 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.
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 Pfahler, 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, Manikkam 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, Laurrette Geldenhuys, Alex Magil, Volker Nickeleit, Parmjeet Randhawa, Heinz Regele, Michael Mengel. Edmonton, Canada; Hannover, Germany; New York; College Park; Ann Arbor; Atlanta; 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 Kahwaji, 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 Bresee, 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 Cabrerales, 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 Bahirwani, 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 Du, 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.
3:06 pm  Lymphatic Endothelium Requires S1PR2 for T Cell Transendothelial Migration (Abstract #490)

3:18 pm  Recipient IFNAR1 Signaling Supports Costimulation Independent Rejection by Promoting T Cell Activation (Abstract #491)
David V. Mathews, Abheek Ghosh, Ying Dong, Karunesh Polireddy, Allison Stephenson, Cynthia Breeden, Yancun Liu, Andrew Adams. Atlanta, GA.

3:30 pm  Lymph Node Stromal Laminins Affect Graft Survival through Regulation of CD4 T Cell Proliferation and Migration (Abstract #492)

3:42 pm  Altered Function of Cytomegalovirus Specific T Cells in Transplant Recipients (Abstract #493)
Lauren Higdon, Jennifer Trofe-Clark, Sai Liu, Naresha Saligrama, Kenneth Margulies, Mark Davis, Jonathan Maltzman. Stanford, CA; Philadelphia, PA; Palo Alto, CA.

2:50 pm  Frailty Assessment
Mara McAdams-Demarco, PhD
Johns Hopkins University
Baltimore, MD, USA

Transplantation in Older Adults – Part II
Moderators: Lindsey Pote, PharmD, Johns Hopkins Hospital, Baltimore, MD, USA and Maricar Malinis, MD, Yale School of Medicine, New Haven, CT, USA

3:10 pm  Induction Therapy Choices and the Risk for Infection
Nicole Alvey, PharmD
Rush University Medical Center
Chicago, IL, USA

3:30 pm  Detection and Management of Delirium
John Devlin, PharmD
Northeastern University and Tufts Medical Center
Boston, MA, USA

3:50 pm  Post-Op Complications Common in Older Adults
Nicole McCormick, DNP, MBA, APRN, NP-C
University of Colorado
Denver, CO, USA

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

Hall 4EF

Transplantation in Older Adults – Part III
Moderators: Aruna Subramanian, MD, Stanford University, Stanford, CA, USA and Jennifer Iuppa Melaragno, PharmD, University of Rochester Medical Center, Rochester, MN, USA

4:30 pm  Immunobiology and The Risks for Rejection and Infection On the Older Recipient
Joanna Schaenman, MD, PhD
David Geffen School of Medicine at the University of California, Los Angeles
Los Angeles, CA, USA

4:50 pm  Maintenance Immunosuppression Considerations
Patricia Thielke, PharmD
University of Illinois
Chicago, IL, USA
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. Odim, M. Brown, D. Ikle, B. Armstrong, J. Charette, S. Brietigam, N. Sustento-Redodia, 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 Identities High Risk Renal Transplant Recipients That Can Be Predicted by Proinflammatory Transitional B Cells (Abstract #500)
AMERICAN TRANSPLANT CONGRESS
Program, Tuesday, June 5, 2018

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 Allograft transplantation (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 Horeb, 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 Heinzel, Alexander Kainz, Kira Jelencsics, Ondrej Viklicky, Georg Böhmig, 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)

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)

5:42 pm  All DQ DSA May Not Be Equal: Comparing Outcomes between De Novo DQ DSA Specificities (Abstract #514)

4:30 pm  Not All HLA Mismatches Are Equal: Determining the Relative De Novo DSA Induction Capacity of HLA Mismatches (Abstract #515)

4:42 pm  Hard-To-Place Kidney Offers: System-Level Predictors of Discard (Abstract #516)
Liise K. Kayler, Jing Nie, Katia Noyes, Mary Leeman, Reinier Narvaez. Buffalo, NY.

4:54 pm  Temporal Trends, Predictive Factors, and Regional Differences in Discard of Increased-Risk Kidneys (Abstract #517)
Judyta A. Lipinska, David Clark, James F. Whiting. Portland, ME.

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.

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.

5:30 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 Bunnapradist. Los Angeles, CA.

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 Stemporta, 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 Calculations 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

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.

5:06 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.

5:42 pm  HLA-DR4 Matching and Hepatocellular Carcinoma Recurrence after Liver Transplantation (Abstract #546)  
Min Xu, Sandra Garcia-Aroz, Neeta Vachharajani, 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.

4:54 pm The Feasibility of Laparoscopic Living Donor Right Hepatectomy Compared to Open Surgery Including 100 Laparoscopic Cases (Abstract #552)

5:30 pm Post-Transplant Outcomes under the New HCC Exception Policy (Abstract #548)
Tanveen Ishaque, Allan Massie, Christine Haugen, Dorry Segev. Baltimore, MD.

5:06 pm LDLT for High MELD Recipients: A Single Center Experience (Abstract #553)
Swaytha Ganesh, Michele Molinari, Tevar Amit, Hughes Christopher, Humer Abhinav. Pittsburgh, PA.

5:42 pm Financial Burden of Liver Transplant vs Resection for HCC (Abstract #549)
James Butler, Nicholas Skill, Chandrashekar Kubal, Daniel O’Brien, Joshua Kays, Jonathan Fridell, Mary Maluccio. Indianapolis, IN.

5:18 pm Living Donor Liver Transplantation for Alcoholic Liver Disease: Data from the A2ALL Study (Abstract #554)

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)

5:06 pm  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, Huling 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.
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<th>Time</th>
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<tr>
<td>5:18 pm</td>
<td>Transplant Community Perceptions of the Benefits and Drawbacks of Alternative Quality Metrics for Regulation (Abstract #575)</td>
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<td>Sarah Rasmussen, Sheng Zhou, Alvin Thomas, Dorry Segev, Lauren Hersch Nicholas. Baltimore.</td>
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<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>
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<td>Eric M. Gibney, Katie Payne, Christopher Fowler. Atlanta, GA.</td>
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<td>5:30 pm</td>
<td>Liver Transplantation Outcomes after Share 35: Analysis of NASH Recipients from UNOS Database (Abstract #576)</td>
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<td>Yefei Zhang, Maha Boktour. Houston, TX.</td>
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<td>5:42 pm</td>
<td>The Cost Savings of Preemptive Kidney Transplantation (Abstract #577)</td>
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<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>
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<td>5:18 pm</td>
<td>Racing to Activation: Using LEAN Principles to Effectively Manage Your Waitlist with Predicted Improved Outcomes (Abstract #582)</td>
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<td>5:30 pm</td>
<td>Impact of Ambulatory Transplant Pharmacy Services on Outcomes and Readmissions in Adult Abdominal Transplant Recipients (Abstract #583)</td>
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<td>5:42 pm</td>
<td>Medication Reconciliation in Abdominal Transplantation (Abstract #584)</td>
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<td>Sarah Todd, Jennie Perryman, Ram Subramanian, Anisha Patel, Michael Hawthorne, Rommel Buenvenida, Kristal Lee, Wanda Allison, Denise Lo, Preeti Reshamwala. Atlanta, GA.</td>
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**Quality Assurance Process Improvement**

**Room 2AB**

**Chairs:** Stuart Greenstein, MD, Montefiore Med Ctr, Bronx, NY, USA and Colleen Jay, MD, MS, University of Texas Health Science Center, Helotes, TX, USA

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<td>4:30 pm</td>
<td>Improving the Organ Donation Referral Process through Telemedicine (Abstract #578)</td>
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<td>Matt Groveman, Michael Perry, Iris Berman, Natalie Benavides, Amy L. Friedman. NY; New Hyde Park.</td>
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<td>4:42 pm</td>
<td>Hospital Readmissions Following ABO-Incompatible Live Donor Kidney Transplantation: A National Study (Abstract #579)</td>
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<td>Babak Orandi, Xun Luo, Sunjae Bae, Elizabeth King, Jacqueline Garonzik-Wang, Dorry Segev. San Francisco; Baltimore.</td>
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<td>4:54 pm</td>
<td>Using the SRTR Expected Survival Worksheet to Estimate Expected Number of Events (Abstract #580)</td>
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<td>Jon A. Gregg, Karl Womer, Kenneth Andreoni. Gainesville, FL.</td>
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**Tolerance: Clinical Studies**

**Room 210**

**Chairs:** James Mathew, PhD, Northwestern University, Chicago, IL, USA and John Scandling, MD, Stanford University, Palo Alto, CA, USA

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<td>4:30 pm</td>
<td>Relationship between Mixed Chimerism and Acceptance of HLA-Matched and Mismatched Kidney Transplants after Withdrawal of Immunosuppressive Drugs (Abstract #585)</td>
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4:42 pm Long-Term Follow-Up of a Phase 2 Clinical Trial to Induce Tolerance in Living Donor Renal Transplant Recipients (Abstract #586)

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. Mazariegos, A. J. Demetris, S. Feng. Pittsburgh; Cincinnati; NY; Chapel Hill; San Francisco.

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.

5:42 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. Eversy. Los Angeles; Philadelphia, PA; Seattle, WA.

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)

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 SaMple) Trial with a Novel Bioassay (Abstract #598)
Flavio Vincenti, Andrew Schroeder, Szu-Chuan Hseish, 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)

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)

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, Cliburn 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
7:00 am – 8:15 am  Sunrise Interactive

Page 118  Ethical and Unique Issues for Women in Solid Organ Transplant
Room 611-614

Page 118  Difficult Cases in Intestinal Transplantation - An Open Discussion Amongst Major Centers
Room 4C-3

Page 118  Too Sick for Liver Transplant: Practical Strategies to Manage a Cirrhotic Patient at the End-of-Life
Room 606-607

Page 119  Failure to Launch: Navigating Medication Access in the Ambulatory Setting
Room 602-604

Page 119  Marijuana Use in Waitlist Candidates: True Risks and Operationalizing Risk Management
Room 6B

Page 119  Presumed Consent
Room 4C-4

Page 120  Psychosocial Challenges in Pediatric Transplantation - Case Presentations
Room 615-617

Page 120  Transplant Surgery Education and Accreditation: Our Generation and the Next Generation
Room 608-620

8:30 am – 10:00 am  Joint Plenary (6 Abstracts)

Page 121  Emerging Areas of Transplantation: Opportunities for Basic Science
Room 608-609

Page 121  Biomarkers of Clinical Transplant Tolerance
Room 6C

Page 121  Donor Follow-up: Improving Patient Engagement and Outcomes
Room 6A

10:15 am – 11:30 am  What’s Hot, What’s New: Overview of Top Presented Abstracts

Page 122  Hall 4B

7:00 am – 8:15 am  Sunrise Didactic

Page 120  The Role of the Microbiome and in Transplant Outcomes
Room 6E
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
AMERICAN TRANSPLANT CONGRESS
Program, Wednesday, June 6, 2018

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

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

7:20 am CON: Sifting Through the Weeds – Marijuana Use Is Not Appropriate for Liver Transplant Candidates
Robert Weinrieb, MD
University of Pennsylvania
Philadelphia, PA, USA

7:40 am PRO: Rebuttals
Susan Orloff, MD, FACS, FAASLD
Oregon Health Science University
Portland, OR, USA

7:50 am CON: Rebuttals
Robert Weinrieb, MD
University of Pennsylvania
Philadelphia, PA, USA

8:00 am Discussion

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

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, Aklesh 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 Laszik. 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-Redica, 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 Operartional 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, Greiciame N. 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 Steuabl, 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 Karrain, 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  
A22 Clinical Significance and Therapeutic Potential of Orosomucoid 1 for Chronic Active Antibody Mediated Rejection in Kidney Transplant Recipients
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.

A23 Immune Phenotyping in a Pediatric Multicenter Transplant Study: Suitability of a Pre-Formulated Dry Antibody Panel System
Simon Urschel, Lavinia Ionescu, Tom Blydt-Hansen, Beth Foster, Seema Mital, Upton Allan, Sabine Iveson, Lorraine Hamiwa, Jason Yap, Veronique Phan, Patricia Birk, Lori West, Megan Levings. Edmonton, Canada; Toronto, Canada; Vancouver, Canada; Calgary, Canada; Montreal, Canada; Winnipeg, Canada.

A24 Peripheral Blood Immune Response-Related Gene Analysis for Evaluating the Development of Subclinical Antibody-Mediated Rejection

A25 † DNA Methylation Age and Differential Patterns of DNA Methylation in Older Compared with Younger Kidney Transplant Recipients

A26 † Global Expression Profiles of miRNA and Expression Patterns and Localization of the miR-21 in One-Hour Biopsy Specimens of Human Kidney Transplantation from Donors after Cardiac Death

A27 Patients Converted to Belatacept Show Different Immunophenotyping Compared with De Novo Belatacept-Treated Patients

A28 Assessment of Immune Cell Profiles in HLA-Sensitized (HS) & Non-HS Patients (Pts) with End Stage Renal Disease (ESRD)
Shili Ge, Maggie Chu, Edwin Ortiz, Ashley Vo, Darly Lovato, Stanley C. Jordan, Mieko Toyoda. Los Angeles, CA.

A29 Impact of ELAD C3A Cell Conditioned Medium Enhanced Perfuse Fluid on Functional Recovery of Extended Criteria Donor Livers during Normothermic Machine Perfusion
Simon C. Afford, Laine L. Wallace, Richard Laing, Yuri Botteon, Dar He, Suganthish Soundararajan, Darius F. Mirza, Robert Ashley, John D. Brotherton, Hynek Mergenthal, David Reich. Birmingham, United Kingdom; San Diego, CA; Philadelphia.

A30 The Use of LiMAx for Evaluating Donor Livers on Normothermic Machine Perfusion

A31 Assessment of Hepatic Ischemia-Reperfusion Injuries by NRF2-Dependent Transcriptional Activities of Bile Transporters in Rats
Joohyun Kim, Alicia Martin, Jennifer Yee, Lynn Fojut, Aron Geurts, Kiyoko Oshima, Michael A. Zimmerman, Johnny C. Hong. Milwaukee, WI; Baltimore, MD.

A32 Hyaluronic Acid as Early Biomarker of Graft Loss after Liver Transplantation: A Prospective Study
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.

Circulating Wnt Pathway Factors Are Non-Invasive Biomarkers of Transplant Vascular Injury

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.

Characterization of Exosomal DNA from Human Lung Transplant Recipients
Sandhya Bansal, Monal Sharma, Rajat Walia, Ross Bremner, Michael Smith, T. Mohanakumar. Phoenix.

Identification of Exosomal Proteins from Human Lung Transplant Recipients

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.

Ischemia Reperfusion Injury Significantly Differs between Lung vs. Heart Transplantation with Respect to Lead Cytokines and Correlation to Clinical Outcome

Isolation and Profiling of miRNAs from Formalin Fixed Paraffin Embedded Endomyocardial Tissues from Human Heart Transplant Recipients

AT1R Antibody Analysis: High Proportion of Non-Specific Reactivity?

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.

Stress-Related Exosomal MicroRNA Biomarkers Released by Human Islets during Transplantation
Prathab Balaji Saravanan, Phuong Nguyen, Gumpei Yoshimatsu, Charles Chang, Carly Darden, Rituparna Bhattacharjee, Xuan Wang, Jinghua Gu, Michael Lawrence, Bashoo Naziruddin. Dallas.

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. Josniuk, Anne Halpin, Juanita Wiznia, Artur Sztkotak, 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. Samamrcro, 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.
Molecular Classifiers Can Outperform the Flawed Histologic “Gold Standard” on Which They Are Trained
Jeff Reeve, Phil Halloran. Edmonton, Canada.

Whole-Transcriptome Sequencing to Identify Macaque Immune Gene Variants
Amelia K. Haj, Julie A. Karl, Roger W. Wiseman, David H. O’Connor. Madison, WI.

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.

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.

Rictor mTORC2 Signaling Protects Ischemic Liver Injury by Targeting Both Liver Parenchymal and Non-Parenchymal Cells

C3a Receptor Regulates the CD8 T-Cell Alloresponse via Intrinsic and Extrinsic Mechanisms
Julian Horwitz, Doug Mathern, Peter Heeger. NY, NY.

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.

Peptides Encoded by EBV Latent Cycle Proteins Affect NK Cell Reactivity
Berencse Mbiribindi, Claudia Romero Moreno, Carlos O. Esquivel, Olivia M. Martinez, Sheri M. Krams. Stanford, CA.

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.

Leukocytes from Recipients with Severe Primary Graft Dysfunction after Lung Transplant Adoptively Transfer Alloreactivity to Vessel Grafts Trans Vivo

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.

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.
A68 CCAAT-Enhancer-Binding Protein Homologous Protein Promotes Liver Ischemia and Reperfusion Injury by Inhibiting Beclin-1-Mediated Autophagy in Hepatocytes

A69 TGR5-Mediated AMPK/mTOR Signaling Regulates Macrophage Migration and Polarization in Liver Ischemia Reperfusion

A70 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.

A71 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.

A72 Cardiac Grafts from Insulin Resistant Donors Trigger a Heightened Immune Response via Excessive Induction of Autophagy
Songjie Cai, Ji Miao, Anil Chandraker. Boston, MA.

A73 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.

A74 In Vivo and In Vitro PPAR-γ Activation Decreases M1-Macrophage Polarization and Improves Liver Ischemia Reperfusion Injury
Ivan Linares, Agata Bartzczak, Kaveh Farrokhi, Dagmar Kollmann, Moritz Kaths, Matyas Hamar, Peter Urbanellis, Sujani Ganesh, Oyedele Adeyi, Paul Yip, Markus Selzner, Nazia Selzner. Toronto, ON, Canada.

A75 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 Aloisi, Marco Quaglia, Giuseppe Castellano, Loreto Gesualdo, Giovanni Camussi. Novara, Italy; Bari, Italy; Torino, Italy.

A76 Ischemic Preconditioning Ameliorates Renal Ischemia-Reperfusion Injury in Mice via Heme Oxygenase-1-Mediated Autophagy

A77 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 Neudörfl, Igor Tudorache, Christian Kühn, Murat Avsar, Axel Haverich, Gregor Warnecke. Hannover, Germany.

A78 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.

Carolina Moore, Maximillian Thijszen, Xiaofei Wang, Pranoti Mandrekar, E. Xiaofei, Reza Abd, Robert J. Porte, Adel Bozorgzadeh, Henri Leuvenink, Timothy Kowalik, Paulo N. Martins. Worcester, MA; Gronigen, 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/SIPR3 Signaling 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, Kailin 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, Maité 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.

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.

A94 Significance of Antibody-Mediated Vascular Rejection (AMVR) on Graft Survival: Correlation with Pure Antibody-Mediated Rejection (AMR)

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.

A96 The Complexity of HLA-DQ
David Pinelli, Anat Tambur. Chicago.

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.

A98 Repeat Kidney Transplant Patients with Active Rejection Have Elevated Donor-Derived Cell-Free DNA
Shikha Mehta, Jae Chang, Tena Hailey, David Hiller, Marica Grskovic, James P. Yee, Roslyn Mannion. Birmingham, AL; New York, NY; Brisbane, CA.

A99 CD19+ Cell Ratio as a Predictive Marker of Antibody Mediated Rejection in ABO Incompatible Kidney Transplantation
Kohei Unagami, Ryoichi Maenosono, Miyuki Furasawa, Yoichi Kakuta, Masayoshi Okumi, Hideki Ishida, Kazunari Tanabe, Kosaku Nitta. Tokyo, Japan.

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.

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.

A102 Molecular Monitoring for Kidney Allograft Injury Following HLA Incompatible Transplantation
Annette M. Jackson, Brian Iglehart, Serena Bagnasco, Niraj M. Desai. Baltimore, MD.

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.

A104 Comparison of Bortezomib in Addition to Rituximab Based Treatment of Acute Antibody Mediated Rejection in Kidney Transplantation
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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
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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
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A111  Comparison of Microvascular Inflammation in Renal Allograft Tissue between ABO Incompatible and ABO Compatible Kidney Transplantation
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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
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A113  Waning Enthusiasm for a Once Promising Test: C1q Testing Does Not Provide Prognostic Information for DSA Screening Protocols
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A116  Can We Expect the “Unexpected”? David Pinelli, Anat Tambur. Chicago.

A117  Efficacy and Safety of Tocilizumab in Treatment of Acute Antibody Mediated Rejection
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A119  Biopsy Correlates of DSA in Antibody-Mediated Rejection: C4d vs Microvascular Inflammation Scores
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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.

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Michael Rees, Erika Michelin, Naoru Koizumi, Jorge Ortiz. Lewisburg, WV; Fairfax, VA; Toledo, OH.

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Jacentha Buggs, Ebonie Rogers, Victor Bowers. Tampa, FL.

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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
Marie Chantal Fortin, John Gill, Fabian Ballesteros, Jagbir Gill. Montreal, Canada; Vancouver, Canada.

A163 Desensitization to Facilitate Matching in a Large, National Kidney Paired Exchange Clearinghouse
Courtenay Holscher, Alvin Thomas, Kyle Jackson, Christine Haugen, Matthew Ronin, Amy Waterman, Allan Massie, Jacqueline Garonzik Wang, Dorry Segev. Baltimore; New York; Los Angeles.

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Ji-Yeun Chang, Hyunjin Bae, Ki Hyun Park, Hyeyoung Lee, Bum Soon Choi, Cheol Whee Park, Chul Woo Yang, Yong-Soo Kim, Eun-Jee Oh, Byung Ha Chung. Seoul, Republic of Korea.

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Nicole Wilson, Nimisha Sulejmani, Arin Jantz, Anita Patel, Bryant Summers. Detroit, MI.

A170 Using Machine Learning and Simulation to Compare High Risk Kidney Transplant Survival to Waiting for a Non High Risk Organ
Ethan Mark, Dave Goldsman, Pinar Keskinocak, Brian Gurbaxani. Atlanta, GA.
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Jillian Fose, Margaret Jorgenson, Zachary Degrave, Robert Redfield, Jeannina Smith, Didier Mandelbrot. Madison.

A172  Burden of Primary CMV Infections Remains High Despite Six Months Valganciclovir Prophylaxis in High-Risk Kidney Transplant Recipients
Ilkka Helanterä, Fernando Ortiz, Raisa Loginov, Laura Mannonen, Marko Lempinen, Irmeli Lautenschlager. Helsinki, Finland.

A173  Cause of ESRD is Not Associated with Risk of Post-Transplant CMV Infection
Sarah E. Panzer, Stephen Peery, Brad C. Astor, Arjang Djamali, Tripti Singh. Madison, WI.

A174  Outpatient Prophylactic Valganciclovir Dose Optimization Post-Renal Transplant
Michael L. Spinner, Vasilios Athans, Christine E. Koval. Cleveland, OH.

A175  Relation between Seroprevalence of Cytomegalovirus and Graft Survival in Japanese Kidney Transplant Recipients: The Japan Academic Consortium of Kidney Transplantation Study
Katsunori Miyake, Masayoshi Okumi, Kohei Unagami, Yoichi Kakuta, Hiroki Shirakawa, Kazuya Omoto, Hideki Ishida, Kazunari Tanabe. Tokyo, Japan; Kamakura, Japan; Saitama, Japan.

A176  Long-Term Outcome of Kidney Transplant Recipient with HTLV-1 Infection

Lyndsey J. Bowman, Rajendra S. Baliga, Cynthia A. Mayer. Tampa, FL.

A178  Effect of Influenza Vaccine in Patients with Kidney Transplant
Kazuma Tsujimura, Morihito Ota, Hideki Ishida, Kazunari Tanabe. Tomishiro-shi, Okinawa, Japan; Shinjuku-ku, Tokyo, Japan.

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
Jennifer Trofe-Clark, Mansi Doshi, Olajumoke Fadugba, Mary Ann Lim. Philadelphia, PA.

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A187  Single-Center Experience with Sofosbuvir-Based HCV Treatment after Kidney Transplantation

A188  Clinical Outcomes of Kidney Transplant Recipients Infected with Hepatitis C Virus and Treated with Direct-Acting Antiviral Therapy

A189  Outcomes of Kidney Transplantation from HBsAg Positive Donors to HBsAb Positive Recipients

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A192  Association of Tacrolimus Adherence and Discontinuation with Sepsis Risk among Kidney Transplant Recipients
John Donnelly, Paul MacLennan, Roslyn Mannon, Rajiv Saran, John Baddley, Henry Wang, Gerald McGwin, Jr., Paul Muntner. Birmingham, AL; Ann Arbor, MI; Houston, TX.

Kidney: Cardiovascular and Metabolic

A193  † Lower Uric Acid Level after Kidney Transplantation Impact on Better Long-Term Allograft Outcomes
Deok Gie Kim, Hoon Young Choi, Yoon Bin Jung, Jee Youn Lee, Juhan Lee, Jae Geun Lee, Kyu Ha Huh, Myoung Soo Kim, Beom Seok Kim, Yu Seun Kim. Seoul, Korea.

A194  † Association of Body Mass Index of Kidney Transplant Recipients with Graft Function Post-Transplant
Alexander Yaldo, Iman Bajjoka, Catherine Crombez, Marwan Abouljoud. Detroit, MI.

A195  † Regression of Left Atrial Diameter after Kidney Transplantation is Associated with Prolonged Survival: An Observational Study
Alexander Kainz, Florina Regele, Michael Kammer, Arno Beer, Regina Steringer-Mascherbauer, Thomas Binder, Rainer Oberbauer. Vienna, Austria; Innsbruck, Austria; Linz, Austria.
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A227 Progression of Vertebral Bone Disease among Kidney Allograft Recipients on Steroid Maintenance

A228 The Price of Diabetes Medication Management in Kidney Transplantation: Similar Rates of Readmissions, but More Healthcare Utilization

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A261  † Measuring and Monitoring Equity in Access to Deceased Donor Liver Transplants

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Randolph Schilke, Mohamed Safwan, Kelly Collins, Michael Rizzari, Atsushi Yoshida, Marwan Abouljoud, Shunji Nagai. Detroit, MI.

MELD-Na Score Based Liver Allocation: Hyponatremia is No Longer a Risk Factor for Waitlist Mortality
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James A. Richards, Rhiannon Taylor, Elisa Allen, Aaron Goh, James Neuberger, David Collett, Gavin Pettigrew. Cambridge, United Kingdom; Bristol, United Kingdom; Birmingham, United Kingdom.

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A283  Donor Hepatectomy Time in Donation after Circulatory Death Donors is an Independent Risk Factor for the Development of Biliary Strictures and Early Graft Loss after Transplantation

A284  Regional Variation in the Outcomes of MELD-Na Based Liver Allocation
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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.

MELD Based Allocation Deteriorates Patient Survival without Improving Waiting List Mortality in a Low Donor Area

Long-Term Outcomes and Predictors of Survival after Liver Transplantation for Wilson Disease (WD)
Prasun Jalal, Sarah May, Abbas Rana. Houston, TX.

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Utilization of Older Donor after Cardiac Death Allografts in Liver Transplantation: An Opportunity to Increase the Donor Pool
Flavio Paterno, Kofi Wima, Tayyab Diwan, Madison Cuffy, Nadim Anwar, Ervin Steve Woodle, Shimul Shah. Cincinnati, OH.

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Most Pediatric Transplant Centers Are Underperforming and in Proximity to Higher Volume Centers
Tyler Nichols, Abbas Rana, John A. Goss. Houston, TX.

The Utility of an Online Survival Calculator in Selecting Older Candidates for Kidney Transplantation
Mohammed Shwetar, Khaled Abdel-Kader, Beatrice P. Concepcion. Nashville, TN.

Race/Ethnicity and Hypertension Self-Care Behaviors among US Living Kidney Donors
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Racial Differences in Patient-Perceived Barriers to Starting the Kidney Transplant Evaluation
Reem E. Hamoda, Laura J. McPherson, Kristie Lipford, Jennifer C. Gander, Stephen O. Pastan, Rachel E. Patzer. Atlanta, GA.
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| **A304**        | Racial Disparities in Post-Liver Transplant Survival before and after Share 35 Implementation  
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Randeep Kashyap, M. Katherine Dokus, Nancy Ryan, Amy James, Rob Kochik, Roberto Hernandez, James Dolan, Peter Veazie, Mark Orloff, Scott McIntosh. Rochester, NY.

A374 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.

A375 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.

A376 Virtual Encounters: Robust Methods to Manage Your Active Waitlist

A377 Financial Impact of Testing Standardization for Solid Organ Transplant Recipients

A378 Multidisciplinary Transplant Rounds: A Step to Improved Team and Patient Satisfaction

A379 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. Ateer, 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: Its 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.
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.

A396 Mitochondrial Membrane Permeability Plays a Critical Role for Endothelial Cell Necroptosis and Cardiac Allograft Rejection

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.

A398 † Biomaterial-Based Localized and Controlled Delivery of Tofacitinib to Actuate Enhanced Costimulation Blockade and Promote Long-Term Transplant Survival

A399 IL-10 Requirement in In Vitro Expanded Breg-Mediated Allograft Tolerance is Tissue Specific

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.

A401 Characterization of Renal Allograft Tolerance Induction via Transient Mixed Chimerism in Non-Human Primates

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.

A403 Type-1 Interferon Impairs the Immunoregulatory Activity of IL-10: Understanding the Mechanisms of Abrogation of Transplant Tolerance
Marcos Iglesias, Anirudh Arun, Maria Chicco, Brandon Lam, Vera Ivanova, W. P. Andrew Lee, Gerald Brandacher, Giorgio Raimondi. Baltimore, MD.

A404 Tomotherapy and Donor Hematopoietic Cells for Tolerance to Kidney Transplants in Rhesus Macaques

A405 Achieving Allograft Tolerance through Antigen-Specific Regulatory B Cells
Charles Rickert, Shoko Kimura, Lisa Kojima, Kang Mi Lee, Mohamed Aburawi, Fermín Fontan, Kevin Deng, Heidi Yeh, James Markmann. Boston, MA.

A406 The Regulatory Role of Plasma Cells (as Bregs) is Counterbalanced by a NOVEL Inflammatory Role in Murine Transplant and Autoimmune Models
Zhixing Song, Yu Zhou, Qing Ding, David M. Rothstein. Pittsburgh; Beijing, China.

A407 LAG-3 Deletion Upregulates Memory in a Dendritic Cell-Dependent Process
Sean Gibney, Mark Efrem, Tameem M. Ashry, Chao Yang, Thomas F. O’Shea, Rebecca A. White, Paul S. Russell, Joren C. Madsen, Robert B. Colvin, Alessandro Alessandrini. Boston, MA.
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<td>Amin Afrazi, Leah Owens, John Fehner, Chelsea O’Driscoll, Joshua Mezrich. Madison, WI.</td>
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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 Khalil, 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; Charlottesville, VA; 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. Charlottesville, VA; 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 Thymoglobulin 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

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
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**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, Yaozhong 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-Chai 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, Yiming Huang, Hong Xu, Andrea Merchak, Suzanne T. Ildstad. Louisville, KY.

**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.


**Poster Session B**

Poster Viewing: 6:00 pm – 7:00 pm
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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
Min Xu, Xuanchuan Wang, Sandra Garcia-Aroz, Babak Banan, Brian J. Rabe, Zhengyan Zhang, Jianluo Jia, Gundumi A. Upadhyra, Pamela T. Manning, Joseph P. Gaut, Yijing Lin, William C. Chapman. St. Louis, MO.

**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
Daiqiang 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, Kα1Tubulin 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
Kenta Iwasaki, Yuko Miwa, Hiroshi Hamana, Hiroyuki Kishi, Atsushi Muraguchi, Kazuharu Uchida, Takaaki Kobayashi, Nagakute, Aichi, Japan; Toyama, Japan.

**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 Abbarbanell, 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, Teodoro Bottiglieri, Brandi L. Wasek, Samrat Yeramaneni, Joost Felius, Carmen I. Bonilla, Oghenevovwero 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 Waiting 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, Aram Wazir, 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 Urschel. Edmonton, AB, Canada; Edmonton, Canada; Toronto, Canada.

Asad Riaz, Oluwafisayo Adebiyi, Dennis Mishler, Muhammad S. Yaqub, Tim Taber, Asif Sharfuddin. Indianapolis.
B48 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.

B49 Chronic Narcotic Use Increases Mortality Rates in Heart Transplantation
Ginger St. John, Themistokles Chamogeorgakis, Hassan Nemeh, Christina Tita, Yelena Selektor, David Lanfear, Celeste Williams. Detroit, MI.

B50 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.

B51 Pre-Transplant Memory Patients Even without Detected Antibody Are at Rejection Risk in the First-Year after Heart Transplantation

B52 Cardiac MRI May Help to Determine When to Refer Heart Transplant Patients for Redo Heart Transplant

B53 Safety and Efficacy of Rabbit Anti-Thymocyte Globulin Induction in Pediatric Patients Undergoing Cardiac Transplantation

B54 Is Renal Function after Heart Transplantation an Issue for Patients with Cardiac Amyloidosis?

B55 Congestive Hepatic Fibrosis: Correlation with Cardiac Hemodynamics and Changes after VAD or Cardiac Transplant
Sadhna Dhinna, Ana Segura, Nahir Cortes-Santiago, Mary R. Schwartz, Sahil Mittal, Prasun Jalal, Gagan K. Sood. Houston, TX.

B56 Renal-Sparing Protocol May Be Harmful If Performed Early Post-Heart Transplant

B57 Less Induction Therapy Means Fewer Early Readmissions with No Change in Rejection or Infection

B58 Extracorporeal Membrane Oxygenation Experience for Graft Failure after Heart Transplantation
Sven Lehmann, Khalil Jawad, Stefan Feder, Anna Meyer, Maya Dieterlen, Julia Fischer, Jens Garbade, Michael Borger. Leipzig, Germany.

B59 The Secret is Selection of Muscular Dystrophy for Success after Heart Transplant

B60 MCS and Desensitization

B61 Institution-Based, Pharmacist-Managed Anticoagulation in Patients with a Left Ventricular Assist Device
Teryn J. Bibb, Laura C. Halder, Deanna L. McDanel, Alexandros Briasoulis, Paulino A. Alvarez, Kathleen E. Horner, Jay K. Bhama, Sharon B. Larson. Iowa City, IA.
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 Tatooles, 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, Chengshuo Zhang, Ning Sun, Xiaohang Li, Yue Shi, Ao Jiao, Jianzhen Lin, Yi Lv. Shenyang, Liaoning, China.
Poster Session B
Sunday, June 3

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

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 Wszola. 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 Mehrotra, 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 A_2 Antibodies and Their Rapid Resolution in Patients Awaiting A_2 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

B92 Does Prolonged Cold Ischemia Affect Outcomes in Donation after Cardiac Death Kidney Transplants?
David I. Harriman, Jeffrey Rogers, Alan Faneys, 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, Muhammed 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. Chateld, 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, Basi 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 Kaczmorski, 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.

B115 Improving Participation in Non-A1/Non-A1B to B Deceased Donor Program Post Kidney Allocation System (KAS)- A Single Center Experience

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.

B118 ABO Incompatible Deceased Donor Kidney Transplantation - Time to Remove the Barrier

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.

B122 Effect of rATG on Monocytic Myeloid-Derived Suppressor Cells and Its Associated Mechanisms in Kidney Transplantation Recipients
Yihang Jiang, Xiaodong Zhang. Beijing, China.

B123 Cytomegalovirus Prophylaxis Following Alemtuzumab Induction in High Risk Renal Transplant Recipients Experiencing Delayed Graft Function

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, Nidyanandh Vadivel, Marquis E. Hart. Seattle, WA.

B138  Risk of Bacteremia According to Transplant Induction Immunosuppression Regimen

B139  A Comparison of Alemtuzumab versus Anti-Thymocyte 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 Chandraker. 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.

Kidney Living Donor: Long Term Outcomes

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, Toyofumi 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
Mahinbanu 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 Hematopoietic 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.

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, Milda 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.
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 Wilkerson, Nneka M. Alexander, Julie Gazmararian, Roshan P. George. Atlanta, GA.

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 Gaines, Mary Killackey, Rubin Zhang, Anil Paramesh, Joseph F. Buell. New Orleans, LA.

Psychotic Disorders and Outcomes after Kidney Transplantation

Outcomes in Renal Transplant Recipients with Bipolar Disorder: A Large Retrospective Cohort

Transplantation Tourism and Recipients Perspectives and Experience
Fatma Al Rahbi, Issa Al Salmi. Muscat, Oman.

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. Changshsa, Hunan, China.

Cognitive Impairment Influences Transplant Eligibility
B201  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.

B202  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.

B203  Quality of Life after Kidney Transplant in Andalucia (Spain)

B204  Associations among Physical Fitness/function, Pain and Depression in Kidney Transplant Patients
Alexandra Kastelz, Ivo Tzvetanov, Bo Fernhall, Anesha Shetty, Lorenzo Gallon, Greg Hachaj, Enrico Benedetti. Chicago, IL.

B205  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.

B206  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

B207  † Urinary Proteomics as a Diagnostic Mean for Chronic Humoral Rejection after Pediatric Kidney Transplantation
Lars Pape, Anette Melk, Petra Zürbig, Nele Kanzelmeyer. Hannover, Germany.

B208  † FSGS Recurrence and Graft Survival in Pediatric Renal Transplants: A NAPRTCS Registry Analysis
Lee J. Koh, Karen Martz, Tom Blydt-Hansen. Auckland, New Zealand; Rockville; Vancouver, Canada.

B209  † Patient and Transplant Outcome in Infants Starting Renal Replacement Therapy before Two Years of Age
Julien Hogan, Jerome Harambat, Etienne Berard, Cecile Couchoud, Marie-Alice Macher. Atlanta, GA; Paris, France; Bordeaux, France; Nice, France.

B210  † Renal Transplant Outcomes in Recipients Weighing 8-10 Kilograms

B211  † 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.

B212  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.

B213  The Impact of the Influenza Vaccine on Pediatric Kidney Transplant Outcomes
Megan Camerino, Scott Jackson, Srinath Chinnakota, Priya Verghese. Minneapolis, MN.
B214 Greater Susceptibility for Metabolic Syndrome in Pediatric Transplant Recipients - A Case-Control Study
Ricarda Bloete, Nima Memaran, Bianca Borchart-Mörins, 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
Poster Session B
Sunday, June 3

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. Mazariigos, 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
Suneen 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. Cavaillé-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 Kincaide, 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, Rhianneon 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, Isa 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 Tuttle-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)

B267  T Cell Lineage Imbalance and Regulatory Immune Populations in HCC Patients Undergoing Downstaging While Waitlisted for Liver Transplantation

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.

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.

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; Tamao, FL.

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.

B274  Vascular Invasion and Survival after Liver Transplantation for Hepatocellular Carcinoma: A Study from the European Liver Transplant Registry
Hans-Christian Pommergaard, Andreas Arendtsen Rostved, René Adarn, Lau Caspar Thygesen, Mauro Salizzoni, Miguel Angel Gómez Bravo, Daniel Cherqui, Franco Filippioni, Karim Boudjema, Vincenzo Mazzaferro, Olivier Soubrane, Juan Carlos García-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; Copnehagen, Denmark.
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 García-Valdecasas, Joan Fabregat Prous, Antonio D. Pinna, John O’Grady, Vincent Karam, Christophe Duvoux, 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 Portoenterstomy 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, Katheleen 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 Maecker-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 Gruessner, Rainer Gruessner. Brooklyn, NY.
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.

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 Bhutiani, 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
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Jennifer Wainright, Christopher Wholley, Wida Cherikh, Jennifer Musick, David Klassen. Richmond, VA.

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.

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**B390**  Successful Patency in Blood Conduits for an Artificial Kidney Membrane with Biocompatible Coatings
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C4 Influence of Dendritic Cell Subsets on Enhancing Oral Tolerance in Cardiac Transplantation Model
Guangxiang Gu, Tianfei Lu, Ning Xu, Qiang Xia. Shanghai, China.

C5 The Novel Polymer Pro-Drug APP-103 Reduces I/R Injury and Improves Graft Function in a Pre-Clinical Renal Transplant Model
Koichiro Minami, Hirofumi Uehara, Abdallah Elkal, Astrid Weins, Soochan Bae, Jake Reder, Brandy Houser, Peter M. Kang, Stefan G. Tullius. Boston, MA; Lebanon, NH.

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Bongha Shin, Dechu Puliyanda, Helen Pizzo, Stanley C. Jordan, Meiko Toyoda. Los Angeles, CA.

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Kasia Sablik, Marian Claansen-van Groningen, Caspar Looman, Jeffrey Damman, Madelon van Agteren, Michiel Betjes. Rotterdam, Netherlands.

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Andrew Bentall, Byron Smith, Walter Park, Carrie Schinstock, Mark Stegall. Rochester.

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C23 Chronic Antibody Mediated Rejection in Renal Allografts Shows RNA Transcript Patterns That Evolve with Stage
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C24 “Majority Rules”: A Method to Reduce Variability in Diagnosing Antibody Mediated Rejection in Renal Allograft Biopsies Using Banff 2013
Byron H. Smith, Lynn D. Cornell, Maxwell Smith, Cherise Cortese, Xochiquetzal Geiger, Carrie Schinstock, Walter Kremers, Mark Stegall. Rochester, MN; Scottsdale, AZ; Jacksonville, FL.

C25 Molecular Assessment of Post-Transplant Glomerular Disease Comparing to Transplant Glomerulopathy
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C26 Long Term Outcomes of Renal Allografts with De Novo DSA in the Setting of Stable Graft Function versus Acute Rejection
Richard J. Knight, Duc T. Nguyen, Edward A. Graviss, Todd N. Eagar, Samantha A. Kuten, Samir J. Patel, Linda W. Moore, Ahmed O. Gaber. Houston, TX.

C27 De Novo DSA against Third Party Extension Vessels Used in Kidney and Pancreas Transplantation
Neetika Garg, Thomas Ellis, Robert Redfield, Sandesh Parajuli, Brad Astor, Arjang Djamali, Didier Mandelbrot. Madison.

C28 RNA Expression Profiling of Renal Allografts in a Non-Human Primate Identifies Inflammation as a Risk Factor in Chronic Antibody Mediated Rejection
Rex N. Smith, Benjamin A. Adam, Ivy A. Rosales, Masatoshi Matsunami, Tetsu Oura, Benjamin A. Cosimi, Tatsuo Kawai, Michael Mengel, Robert B. Colvin. Boston, MA; Edmonton, AB, Canada.

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C30 FSGS Pattern with Podocyte Proliferation and Heavy Proteinuria Combined Late Antibody Mediated Rejection of Renal Allograft: Collapsing Glomerulopathy or Transplant Podocytopathy?
Jiqiu Wen, Mingchao Zhang, Feng Xu, Jinsong Chen, Dongrui Cheng, Xuefeng Ni, Xue Li. Nanjing, Jiangsu, China.

C31 Sub-Clinical Acute Rejection (subAR) Detected by Both Surveillance Biopsy (SBx) and a Peripheral Blood Molecular Biomarker Correlates with De Novo Donor Specific Antibody (dnDSA) Following Kidney Transplant (KT)

C32 Prediction of Renal Allograft Chronic Rejection Using a Model Based on Contrast EnhancedUltrasonography
Cheng Yang, Shengdi Wu, Tongyu Zhu, Wanyuan He. Shanghai, China.

C33 De Novo Donor Specific Antibodies in Pediatric Kidney Transplant Recipients Are Highly Responsive to Therapy
Failure to Remove De Novo Donor-Specific HLA Antibodies is Influenced by Antibody Properties and Identifies Kidney Recipients with Late Antibody-Mediated Rejection Destined to Graft Loss
Arcangelo Nocera, Michela Cioni, Augusto Tagliamacco, Sabrina Basso, Annalisa Innocente, Iris Fontana, Alberto Magnasco, Antonella Trivelli, Antonella Gurrado, Miriam Ramondetta, Stella Boghen, Laura Catenacci, Enrico Verrina, Giacomo Garibotto, Gian Marco Ghiggeri, Massimo Cardillo, Fabrizio Ginevri, Patrizia Comoli. Genova, Italy; Pavia, Italy; Milano, Italy.

Renal Allograft Cortical Perfusion Quantification by 3D-Arterial Spin Labeling Could Be Used to Identify Subclinical Antibody-Mediated Rejection

Searching for Recipient-HLA Class II and Donor-HLA-Derived Peptide Complexes Inducing Protective Effect against De Novo Donor-Specific HLA Antibodies Formation in Kidney Transplantation

Patients with C-aABMR and V-Lesions in Their Renal Transplant Biopsy Have a Superior Response to Treatment
Kasia Sablik, Marian Claehsen-van Groningen, Caspar Looman, Michiel Betjes. Rotterdam, Netherlands.

Genetic Risk Factors of Post-Transplant Thrombocytopenia in Kidney Allograft Recipients
David I. Min, Youngil Chang, Tariq Shah. Pomoma, CA; Los Angeles, CA.

Alemtuzumab Induction as a Mediator of Nonadherence in Renal Transplantation
Graham B. Mitro, Obi Ekwenna, Michael Rees, Jorge Ortiz. Toledo, OH.

Successful Transplantation of Black Kidneys from Rhabdomyolysis Donors
Xiao-peng Yuan, Chuan-bao Chen, Yi-tao Zheng, Xin-wei Gu, Qiang Zu, Chang-xi Wang, Xiao-shun He. Guangzhou, China; Nanning, China; Beijing, China.

Exploring the Viability of Kidneys Discarded in the US: A Comparison of Kidney Utilization Patterns and Outcomes in the US and France

Timing of Treatment for Chronic Hepatitis C Infection in Patients with End-Stage Renal Disease Awaiting Transplantation
Mark Eckman, E. Steve Woodle, Charuhas Thakar, Flavio Paterno, Kenneth Sherman. Cincinnati, OH.

Immunogenic HLA Mismatches and Evidence That Belatacept May Be the First Therapy Able to Prevent DQ De Novo DSA: An Analysis of the BENEFIT and BENEFIT-EXT Trial Cohorts
Matthew J. Everly, Vadim Jucaud, Mustimbo Roberts, Howard M. Gebel, Robert A. Bray. Los Angeles, CA; Princeton, NJ; Atlanta, GA.

Liver Transplant Recipients with End-Stage Renal Disease Largely Benefit from Kidney Transplantation
Early Graft Function Correlates with Survival Benefit in Kidney Transplant Recipients with Peripheral Vascular Disease

Machine Learning to Assess Kidney Donor Risk

Donor Plasma Mitochondrial DNA Predicts Post-Transplant Renal Allograft Outcomes
Fei Han, Shaoqiu Wan, Nan Chen, Lingling Zheng, Nana Zhang, Qipeng Sun, Heng Li, Zhengyu Huang, Liangqing Hong, Qiquan Sun. Guangzhou, China; Henan, China; Sun Yat-sen, China.

Impact of Pulsatile Perfusion Machine on Postoperative Outcomes in Standard Criteria Donor Kidney Transplants
Silvana Costa, Tainá Sandes-Freitas, Paula Fernandes, Ronaldo Esmeraldo. Fortaleza, Brazil.

Patients Prioritize Waitlist Factors over Outcomes When Evaluating Kidney Transplant Centers
Ariane Michelson, Corey Brennan, Aprajita Mattoo, Byum Hee Kil, Demetra Tsapepas, Syed Husain, Sumit Mohan. New York, NY.

Flow DSA-XM: Better Crossmatch or Just Different Problems?
Pamela Kimball, Felecia McDougan. Richmond, VA.

Psychosocial Assessment of Candidates for Transplantation (PACT) Identifies Non-Adherence in Pediatric Kidney Transplantation

Aggressive Pursuit of Donation after Cardiac Death Kidney Donors with High Kidney Donor Profile Index: Good Use of Resources?
Jared Rogge, Clint Hostetler, Bruce Nicely, Steven Rudich. Ann Arbor, MI.

A Machine Learning Approach for Prediction of Delayed Graft Function in Deceased Donor Kidney Transplant Recipients
Satoru Kawakita, Amy D. Waterman, Matthew J. Everly. Los Angeles, CA.

Kidney Transplantation (KTx) Using Kidneys from Deceased Donors (DD) with Severe AKI Does Not Negatively Impact 1 Year Biopsy Chronic Changes

Excellent Long-Term Outcomes with Kidney Transplants from Deceased Donors with Acute Kidney Injury

DCD Kidneys with Remuzzi Scores of 4-5 Can Be Accepted for Solitary Kidney Transplantation

National Outcomes of Donor and Recipient Sex Mismatch in Kidney Transplantation
Jacentha Buggs, Lei Wang, Ruisheng Liu, Ebonie Rogers, Victor Bowers. Tampa, FL.

Time-Effect of Donor and Recipient Characteristics on Graft Survival after Kidney Transplantation
Ernesto Molmenti, Jingyan Yang, Christine Sardo Molmenti, Elliot Grodstein, Horacio Rilo, Lewis Teperman. Manhasset, NY; New York, NY.
C59  10-Year Outcomes of Renal Transplantation from Circulatory Death Donors with Increased Terminal Creatinine
Yusuke Tomita, Kazuhiro Iwadoh, Ichiro Nakajima, Shohei Fuchinoue. Tokyo, Japan.

C60  Impact of Elderly Donor Obesity on Long-Term Outcomes in Renal Transplant Recipients
Masaaki Yamada, Roman Jandarov, Taranpreet Kaur, Silvi Shah. Cincinnati, OH.

C61  Hard-To-Place Kidney Offers: Granular Examination of Donor Risk Factors for Discard
Reinier Narvaez, Jing Nie, Katia Noyes, Mary Leeman, Liise Kayler. Buffalo, NY.

C62 †  High GFR in Kidney Donors is Associated with Increased Risk of Proteinuria and Diabetes
Daniel O. Keys, Samy M. Riad, Viral Vakil, Scott Jackson, Danielle Berglund, Arthur Matas. Minneapolis, MN.

C63 †  Simplified Once-Daily Immunosuppressive Regimen for Stable Kidney Recipients

C64 †  Early Conversion to a CNI-Free Immunosuppression with SRL after Renal Tx – 10 yr Follow-Up Analysis of a Prospective Multicenter Trial
Joachim Andrassy, Markus Guba, Antje Habicht, Michael Fischereder, Andreas Pascher, Katharina Heller, Bernhard Banas, Oliver Hakenberg, Thomas Vogel, Teresa Kauke. Munich, Germany; Berlin, Germany; Erlangen, Germany; Regensburg, Germany; Rostock, Germany; Munster, Germany.

C65 †  Identification of Novel Genetic Variants Associated with Tacrolimus Metabolism in Kidney Transplant Recipients Using Next Generation Sequencing

C66 †  Everolimus and the Risk of Graft Loss or Death in Kidney Transplant Recipients: A Trial-Based Linkage Study

C67 †  Effect of De Novo Use of Everolimus with Reduced Calcineurin Inhibitor versus Standard Mycophenolic Acid-Based Regimen on Wound Healing Events in Kidney Transplant Recipients from TRANSFORM Study

C68 †  Sirolimus-Based, Prednisone-Free Regimen in Kidney Transplantation: Long Term Results of an Open-Label, Randomized Controlled Trial
Aneesha Shetty, Bing Ho, Valeria Mas, Yvonne Kassis, Sook Park, Joseph Leventhal, Darshika Chhabra, Lorenzo Gallon. Chicago; Charlottesville.

C69 †  Late Conversion from Calcineurin Inhibitors to Belatacept is Associated with a Sustained Improvement in Kidney Allograft Function
Supreet Sethi, Jua Choi, Ashley Vo, Reiad Najjar, Alice Peng, Stanley C. Jordan, Edmund Huang. Los Angeles, CA.
C70 † Once-Daily MeltDose Tacrolimus Formulation and Renal Function in Caucasian Fast Tacrolimus Metabolizers: Does Early Identification Have an Impact in PK Sensitive Patients? Klemens Budde, Barbara Suwelack, Daniel Stevens, Wei Du, Claudio Procaccianti, Christoph Maas, Suphamai Bunnapradist. Münster, Germany; Los Angeles; Cary; Norristown; Parma, Italy; Berlin, Germany.


C72 † MeltDose Prolonged-Release Once-Daily Tacrolimus (LCPT) vs. Conventional Tacrolimus Formulations in the Initial Maintenance of De Novo Kidney Transplant Recipients across Europe: STEADY Study Klemens Budde, Giovanni Piotti, Claudio Procaccianti, Gabriele Nicolini, Silvia Geraci, Daniela Surace. Berlin, Germany; Parma, Italy.

C73 † 12-Months Evolution of Anti-HLA Antibodies Donor Specific Antibodies after Rescue Switch from CNI-Based Immunosuppressive Regimen to Belatacept in Kidney Allograft Recipients Marie Matignon, Caroline Dudreuilh, Philippe Rémy, Jean-Luc Taupin, Philippe Grimbert. Creteil, France; Paris, France.


C75 Validation of Genetic Variants Identified in GWAS for Tacrolimus Troughs Pamala Jacobson, David Schladt, Wei-hau Guan, Jessica van Setten, Rory Remmel, Baolin Wu, Casey Dorr, Brendan Keating, David Ikle, Roslyn Mannon, Arthur Matas, Ajay Israni, William Oetting. Minneapolis, MN; Utrecht, Netherlands; Philadelphia, PA; Chapel Hill, NC; Birmingham, AL.


C77 Steroid Avoidance in Renal Transplant Patients Treated with Everolimus and Low-Exposure Tacrolimus Tainá Sandes-Freitas, Maria Luiza Sales, Juliana Oliveira, Marcel Oliveira, Gilberto Dantas, Celi Girão, Ronaldo Esmeraldo. Fortaleza, Ceara, Brazil.

C78 Improved Value with Individualized Antithymocyte Globulin Dosing Protocol in Renal Transplant Jillian Dann, Winston Ally, Michelle Bradley, Jennifer Geyston, Avinash Agarwal. Charlottesville, VA.


C80 The Effect of Tacrolimus Trough Level and Intrapatient Variability on the Transplant Outcomes in Kidney Transplantation Juhun Lee, Jee Youn Lee, Yoon Bin Jung, Deok Gie Kim, Seung Hwan Song, Jung Jun Lee, Jae Geun Lee, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Beom Seok Kim, Kyu Ha Huh. Seoul, Korea; Seongnam, Korea.
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Albany, NY.

C82  Assessment of Peak Levels and Metabolism Rates in African American (AA) and Non-AA Kidney Transplant Recipients (KTR) on Immediate-Release Tacrolimus (IR-tac)
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C84  Influence of Trough Level in Tacrolimus on the Appearance Rate of De Novo Donor Specific Antibody (dnDSA) under Low Dose-Based Tacrolimus Protocol during 7 Years Follow-Up after Renal Transplantation
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C85  Long-Term Effects of Ketoconazole in Rapid Tacrolimus Metabolizers Post-Renal Transplantation
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C86  Long-Term Efficacy and Safety of Everolimus Based Immunosuppression on De Novo Kidney Transplantation with 9 Years Follow-Up

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Bhavna Chopra, Kalathil K. Sureshkumar. Pittsburgh, PA.

C89  A Novel Combined Formula to Direct Optimal Immunosuppressive Drug Exposure in Renal Transplant Recipients
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C90  Once Daily CNI Administration Based on Pharmacodynamic Analysis for Preventing Viral Infection

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C94  Long Term Outcomes of a Steroid Free, Low Dose Tacrolimus with Everolimus Regimen in Kidney Transplant
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Chioma J. Ogbejesi, Elizabeth Cohen, Kristen D. Belfield, William S. Asch. New Haven, CT.

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C102  Effect and Reasons of Rescue Switch to Belatacept among 73 Calcineurin-Inhibitors Treated Kidney Allograft Recipients - A Three Years Retrospective Cohort, Single Center Study
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C103  Urinary CXCL9 Monitoring to Accompany a Safe CNI-to-Belatacept Conversion in Kidney Transplant Patients
Paolo Malvezzi, Clara Fischman, Thomas Jouve, Benedicte Janbon, Peter S. Heeger, Lionel Rostaing, Paolo Cravedi. Grenoble, France; New York, NY.

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Muir Morton, Kathrine Parker, Charles Morecroft. Manchester, United Kingdom; Liverpool, United Kingdom.
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Kathleen Tornatore, Kris Attwood, Daniel Brazeau, Shirley Chang, Rocco Venuto. Buffalo; Portland.

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C107 Immunosuppression Does Not Affect Adverse Pathological Outcomes in Men Who Underwent Radical Prostatectomy

C108 Novel Low Dosing of Rabbit Antithymocyte Globulin Preserves Excellent Outcomes and Improves the Value of Care in Low Risk Renal Transplantation
Jillian Dann, Winston Ally, Michelle Bradley, Jennifer Geyston, Avinash Agarwal. Charlottesville, VA.

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A. Guasch, A. Ghali, S. Mead, A. K. Mehta, H. Xu, A. D. Kirk. Atlanta, GA; Durham, NC.

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Haris F. Murad, Divyanshu Malhotra, Elizabeth Cohen, William S. Asch. New Haven, CT.

C112 Conversion from Twice Daily Immediate Release Tacrolimus to Once Daily Extended Release Tacrolimus (LCP-Tacro) in High Risk Kidney Transplant Recipients

C113 Outcomes of Early Steroid Withdrawal in 6-Antigen Human Leukocyte Antigen (HLA)-Matched Kidney Transplant Recipients
Heather Champion, Kim Holdener, Brad C. Astor, Fahad Aziz, Didier Mandelbrot. Madison, WI.

C114 Pharmacokinetics of Mycophenolic Acid Following Enteric-Coated Mycophenolate Sodium Administration in Chinese Renal Transplant Recipients

C115 Calcineurin Inhibitors, Macrolides, and the Risk of Adverse Drug Events in Kidney Transplant Recipients
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C116 β-Glucuronidase Gene Expression in Stool Samples Associated with Chronic Allograft Dysfunction in Kidney Transplants

C117 Mycophenolate Monotherapy is Safe and Effective in HLA-Matched Kidney Transplant Recipients
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C118 Prolonged-Release Tacrolimus Dosing in De Novo Kidney Transplantation: Randomized, Open-Label, Pilot Study
Y. H. Kim, Y. J. Chiang, S. J. Kim, M. S. Kim, S. B. Park, S. T. Wu, K. Horita, Y. Nakashima, H. Jiang, D. J. Han. Seoul, Korea; Taoyuan City, Taiwan; Daegu, Korea; Taipei City, Taiwan; Tokyo, Japan; Maa, Singapore.

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.

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Abeer 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.

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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.

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Sunita K. S. Singh, Grace Bannerman, Alyssa Yantsis, Michelle Liu, Franz Marie Gumabay, Olusegun Famure. Toronto, ON, Canada.

C129 Estimated GFR for Living Kidney Donor Evaluation before and after Donor Nephrectomy
Yoichi Kakuta, Masayoshi Okumi, Ryoichi Imamura, Naotsugu Ichimaru, Shiro Takahara, Hideki Ishida, Kazunari Tanabe. Tokyo, Japan; Suita, Osaka, Japan.

C130 National Survey of Living Donor Coordinators to Identify Barriers to Living Donation
Deonna Moore, Mary Dietrich, Peter Buergers, James Rodrigue, Ann Minnick. Nashville; Bozeman; Boston.
C131 National Survey of Living Donor Program Educational Components and Resources
Deonna Moore, Mary Dietrich, Peter Buerhaus, James Rodrigue, Ann Minnick.
Nashville; Bozeman; Boston.

C132 Outcomes of Retroperitoneoscopic Live Donor Nephrectomy (RPLDN): Experience of 1100 Cases at a Single Center
Kazuya Omoto, Masayoshi Okumi, Yoichi Kakuta, Hiroshi Noguchi, Kohei Unagami, Masashi Inui, Hideki Ishida, Kazunari Tanabe. Tokyo, Japan; Toda, Japan.

C133 Liposomal Bupivacaine: Friend or Foe in Kidney Donation?
Yanmen Yang, Arin Jantz, Bryant Summers, Anita Patel, Lauren Malinzak, Nimisha Sulejmani. Detroit, MI.

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
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.

C138 The Impact of Duration on Dialysis on the Pre-Transplant Allosensitization According to Panel Reactive Antibody Levels
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C139 Spigelius’ Line Incision as a Successful Route to Extract the Kidney during Retroperitoneal Laparoscopic Live-Donor Nephrectomy
Jiang Qiu, Guodong Chen, Zixuan Wu, Changxi Wang, Lzhong 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

C142 Attitudes of African Canadian Patients with End Stage Kidney Disease toward Living Donor Kidney Transplantation
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C143 How Old is Too Old? Expanding Living Kidney Organ Transplantation from Donors above 60 Years of Age with Associated Comorbidity.

C144 Outcomes in Living Kidney Transplant Donor and Recipient Operations with Same vs. Different Surgeons
Julio Sokolich, Jacenthal Buggs, Deandra Mahon, Ebonie Rogers, Victor Bowers. Tampa, FL.
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**Shortening Length of Post-Operative In-Patient Stay for Living Kidney Donors**  

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**Impact of AB0-Incompatible Kidney Transplantation on Lymphocele Formation**  
Chiara Salabe, Stefan Zschiedrich, Przemyslaw Pisarski, Bernd M. Jänigen. Freiburg, Germany.

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Tina Rubic-Schneider, Brigitte Christen, Nathalie Runser Loll, Deborah Garcia, Esther Erard, Thierry Flandre, Benjamin Cochin de Billy, Sebastien Nock, Serge Côté, James S. Rush, Peter Ulrich. Basel, Switzerland.

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† **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.

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† **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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† **Native Kidney Volume Decreases after Kidney Transplantation in Patients with Autosomal Dominant Polycystic Kidney Disease: Less Patients Need Nephrectomy?**  

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**Enhanced Recovery after Renal Transplant Surgery Using a Transversus Abdominis Plane Block is Associated with Decreased Hospital Length of Stay**  

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Lukas J. Leher, Arnim Hohberger, Fabian Halleck, Eva Schrezenmeier, Dmytro Khadzhynov, Klemens Budde, Oliver Staeck. Berlin, Germany.
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C172  The Impact of Lymphocele Formation after Kidney Transplantation on De Novo Donor Specific Antibody Formation
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C175  Artificial Graft Extension of Renal Vein in Living Kidney Transplantation

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C191 Association between Donor/Recipient BK Viral Serostatus and Risk of BK Viraemia Post-Transplantation
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Gang Huang, Min Wang, Xu-tao Chen, Shi-cong Yang, Li-zhong Chen. Guangzhou, China.

C195 Long-Term Prognosis of BK Virus Associated Nephropathy in Kidney Transplant Recipients
Woo Yeong Park, Sang Mok Yeo, Seong Sik Kang, Ha Yeon Park, Kyubok Jin, Sung Bae Park, Misun Choe, Seunghyeup Han. Daegu, Republic of Korea.

C196 Characteristics of Polyomavirus Nephropathy in Renal Transplant Recipient in China: 10 Year Experience
Gang Huang, Xu-tao Chen, Li-zhong Chen. Guangzhou, China.
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C209 Rituximab Induction to Prevent the Recurrence of PSC after Liver Transplantation-The Lessons Learned from ABO-Incompatible Living Donor Liver Transplantation-Yohei Yamada, Ken Hoshino, Masahiro Shinoda, Hideki Obara, Shinji Uemoto, Yoshimi Kaido, Hideaki Okajima, Takahito Yagi, Tomoharu Yoshizumi, Yukihiro Inomata, Taizo Hibi, Keiichi Kubota, Tatsuya Suzuki, Yuko Kitagawa, Hiroti Egawa, Tatsuo Kuroda. Tokyo, Japan; Kyoto, Japan; Okayama, Japan; Fukuoka, Japan; Kumamoto, Japan; Tochigi, Japan; Aichi, Japan.


C211 The Efficacy of Low Dose Steroid Therapy for Postoperative Hyperbilirubinemia in Liver Transplant Recipients: A Prospective Randomized Controlled Trial Jie Yang, Xiaoshun He, Linwei Wu, Zhiyong Guo. Guangzhou, China.


C214 A Six-Month, Prospective, Single-Center, Pilot Study to Determine the Pharmacokinetics and Effectiveness of Immunosuppressant Regimens in Liver Transplantation Patients Receiving Twice-Daily Tacrolimus and Everolimus (TAC + EVR BID) Regimen Converted to Once-Daily Tacrolimus and Everolimus (TAC + EVR QD) Regimen - A Preliminary Report Tsung-Han Wu, Chih-Hsiien Cheng, Yu-Chao Wang, Chen-Fang Lee, Ting-Jung Wu, Hong-Shiue Chou, Kun-Ming Chan, Wei-Chen Lee. Taoyuan, Taiwan.


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C218 The Impact of Spontaneous Bacterial Peritonitis on Patient Outcomes after Liver Transplantation Using the Scientific Registry of Transplant Recipient (SRTR) Database Dilip Moonka, George Divine, Shunji Nagai. Detroit, MI.

C220 Validation of the alpha-Fetoprotein Model for Hepatocellular Carcinoma Recurrence after Transplantation in an Asian Population

C221 First-Time Simultaneous vs. Sequential Liver-Kidney Transplantation in Polycystic Kidney Disease: A Review of the UNOS Database
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C222 Specialized Transplant Critical Care Model Improves Access to Transplantation and Short-Term Survival Outcomes after Liver Transplantation in the Highest Acuity Patients

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C224 The Impact of a Tobacco Prohibition Policy Compared to a Restrictive Policy on Liver Transplant Candidate Outcomes
Alisa Likhitsup, Ammar Hassan, Jessica Mellinger, Frederick Askari, Gerald S. Winder, Pratima Sharma, Naba Saeed, Christopher J. Sonnenday, Robert J. Fontana. Ann Arbor, MI; Dearborn, MI.

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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.

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C246 The Outcomes of Candidates Underwent Liver Transplantation with Portopulmonary Hypertension: A Meta-Analysis
Ronghai Deng, Bing Song 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.

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C250 † Circulating Exosomes with Lung Self-Antigens, Kα1Tubulin 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. Mohananukumar. 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.

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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
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Dawn Goodall, Michelle Willicombe, Adam McLean, David Taube. London.

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Paula Zimbrend, Andrea DiMartini, Catherine Crone. New HAven, CT; Pittsburgh, PA; Falls Church, VA.

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Annelise Nolan, Deirdre Yarosh, Suhail Shaikh. Washington, DC.

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Ilkka Helanterä, Rita Janes, Veli-Jukka Anttila. Helsinki, Finland.

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Sara Gattis, Inci Yildirim, Staci Serluco, Courtney McCracken, Rochelle Liverman. Atlanta, GA.

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Srinivas Nellimarla, Yoichiro Natori, Victor Ferreira, Shahid Husain, Atul Humar, Deepali Kumar. Toronto, Canada.

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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
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C328  Impact of Positive Donor Blood Cultures in Liver Transplant Recipients
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Karyna Neyra, Carlos Huuya Leuyacc, Christopher Kovacs, Vasilios Athans, Eric Cober. Cleveland, OH.
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Rachael Lee, Ghady Haidar, Jessica Lewis, Sana Arif, Jonathan Hand, Eric Holaday, Heather Clauss, Jason Goldman, Anoma Nellore. Birmingham, AL; Charlottesville, VA; Durham, NC; New Orleans, LA; Philadelphia, PA; Seattle, WA.

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Judith Anesi, Emily Blumberg, Ebbing Lautenbach, Jacqueline Omorogbe, Pam Tolomeo, Pranita Tamra, 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 Gunabushanam, Ajay Sahajpal, Lynne Fehrenbacher, David J. Kramer. Milwaukee, WI.

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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
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Annelise Nolan, Nicole Harriott, Kyle Startsman. Washington, DC.

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Alexander C. Drelick, Wenzhu B. Mowrey, Grace Y. Minamoto. New York, NY; Bronx, NY.

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Madeleine Heldman, Brett Nelson, Tenzin Babu, Michael G. Ison. Chicago, IL.

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Heather E. Chambers, Andre Kalil, Diana Florescu. Omaha, NE.

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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 Cascalho. 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 CD44hi Phenotype That Correlates with Peak Germinal Center Alloreactivity
Glenn M. La Muraglia II, Maylene E. Wagener, Mandy L. Ford, Idelberto 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 Panajotopolus, 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 Cascalho, 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

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.
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.

TACI-Ig as a Desensitization Agent in a Rat Model of Antibody Mediated Rejection
Nancy A. Wilson, Bret M. Verhoven, Brittney A. Boldt, Natalie Bath, Xiang Ding, Robert R. Redfield III. Madison, WI.

BLyS-/- Rats to Prevent Alloantibody Production
Natalie Bath, B. Verhoven, N. Wilson, S. Reese, L. Coons, S. Panzer, A. Djamali, R. Redfield. Madison, WI.

Graft Immunocomplex Capture Fluorescence Analysis Can Detect Intra-Graft Anti-Blood Group A/B Antibodies

Donor Management: All Organs Excluding Kidney

Geographic Variation in Drug Overdose as Donor Cause of Death

Donor Transmitted Nut Allergy Following Solid Organ Transplantation: Analysis of the OPTN Ad Hoc Disease Transmission Advisory Committee (DTAC)
Remzi Bag, Susan Tlusty, Gabriel Vece, Tammy Peterson, Joanna Schaanman, 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, Cameron Wolfe. Richmond.

Pharmacologic Donor Management Influences Liver Transplant Graft Survival and Transplant Admission Length of Stay: An Update
Jared C. Brandenberger, James D. Perkins, Alex W. Cantafio, Andre A. S. Dick, Jeffrey B. Halldorson, Jorge D. Reyes. Seattle, WA; Knoxville, TN; San Diego, CA.

UPMC Living Donor Champion Program
Christine Caruso, Casey Zell, Ganesh Swaytha, Barber Angela, Skubak Sarah, Lander Elaine, Piccirilli Susan, Watson Travis, Humar Abhinav. Pittsburgh, PA.

Potential Impact of DCD Donor Recoveries on Heart Transplantation: Retrospective Analysis of a Limited UNOS Dataset
Joel Lindower, Maryjane Farr, Samantha Taylor, Ulrich Jorde, Leway Chen, Alan Gass, Lauren Truby, Samantha Delair, Sean Pinney. Troy, NY; New York; Bronx, NY; Rochester, NY; Valhalla, NY; New York, NY.

Assessing Necroptosis in Brain Dead Kidney Donors: Implications for Predicting Recipient Outcomes
Anna A. Zmijewska, John Murphy, Jianguo Chen, Jaroslav W. Zmijewski, Roslyn B. Mann. Birmingham, AL.

Clinical Impacts of Deceased Donor Oxygenation Status in Liver Transplant
Toshihiro Okamoto, Kazunari Sasaki, Hiromichi Niikawa, Masato Fujiki, Cristiano Quintini, Koji Hashimoto, Charles Miller, Kareem Abu-Elmagd, Kenneth McCurry, John Fung. Cleveland; Chicago.

Ex Vivo Bloodless Oxygen Carrier for Perfusion of DCD Kidneys during Subnormothermic Storage
D24 Comparison of Temperatures for Optimal Preservation of Donor Kidneys during Oxygenated Pulsatile Perfusion
Rabindra N. Bhattacharjee, Mahms Richard-Mohamed, Anushar
Ruthirakanthan, Richard Mayer, Sean Luke, Hemant Sharma, Mauro Enrique

D25 Graft Perfusion with Alvespimycin, an HSP90 Inhibitor, Suppresses Acute Allograft Rejection and Prolongs Graft Survival in Murine Heart Transplantation
Toshiaki Tanaka, Takeshi Maehana, Naoya Masumori. Sapporo, Japan.

D26 Exenatide Reduces Ischemia/Reperfusion Injury in Donation after Cardiac Death Rat Kidney Transplantation
Hua Yang, Yuxiang Shi, Xinchang Li, Chengmei Long, Zhidan Xu, Laibang Luo, Wenzeng Luo, Youfu Zhang, Tao Zeng, Miao Chen, Heng Li, Zhendi Wang, Nanchang, Jiangxi province, China; Wuhan, Hubei Province, China.

D27 Dehydropeptidase-I inhibitor Reduces Tacrolimus-Induced Kidney Injury by Anti-Oxidative and Anti-Apoptotic Effect

D28 Effect of Conversion to CTLA4Ig Treatment on Tacrolimus-Induced Diabetic Rats

D29 Klotho Enhances FoxO3-Mediated Manganese Superoxide Dismutase Expression by Negatively Regulating PI3K/AKT Pathway during Tacrolimus-Induced Oxidative Stress

D30 Rhesus-Specific Anti-Thymocyte Globulin as an Adjuvant to Costimulatory-Blockade-Based Immunotheapy

D31 Tacrolimus-Based Maintenance Immunosuppression Decreases the Number of Peripheral Blood Transitional B Cells in Nonhuman Primates
Joshua T. Paster, Kurt B. Pruner, Isabel M. Hanekamp, Jane O., Wiebke Sommer, Kortney Robins, Alison Bean, Gilles Benichou, Joren C. Madsen. Boston, MA.

D32 Humoral Immunity to CMV Remains Intact after Dual Targeting Desensitization in Allosensitized Nonhuman Primates
Paul M. Schroder, Brian Ezekian, Frances Saccoccio, Janghoon Yoon, Maria Dennis, Kyle Freischlag, Jean Kwun, Sallie Permar, Stuart J. Knechtle. Durham, NC.

D33 Mycophenolic Acid Reduces BK Polyomavirus Replication in an In Vitro Model of Renal Tubular Epithelial Cells Infection
Evaldo Favi, Serena Delbue, Caterina Colico, Pasquale Ferrante, Sonia Villani, Ilaria Perna, Noemi Mondoni, Antenore Giussani, Mariano Ferraresso. Milan, Italy.

D34 Characterization of Mesenchymal Stem Cell Phenotype and Its Immunomodulatory Effects during Allo-Specific T Cell Immune-Responses
Qimeng Gao, Allan D. Kirk, He Xu. Durham, NC.

D35 Persistence and Homing of Autologous Donor-Reactive Ex Vivo Expanded Regulatory T Cells to Heart Allografts in Lymphodepleted Recipient Monkeys

D37 Targeting Calcium Release-Activated Calcium (CRAC) Channel in Non-Human Primate Kidney Transplantation - Jean Kwun, Brian Ezekian, Miriam Manook, Jaeberm Park, Janghooon Yoon, Joanne Sloan-Lancaster, Caroline Fortier, Patricia E. Rao, Stuart J. Knechtle. Durham, NC; Indianapolis, IN, Canada; Montreal, QC, Canada; Lexington, MA.


D42 Supercooling of Human Livers to Extend the Preservation Time for Transplantation - Reinier J. de Vries, Shannon N. Tessier, Peony D. Banik, Sinan Ozer, Sonal Napgal, Stephany Cronin, James F. Markmann, Heidi Yeh, Korkut Uygun. Boston, MA.

D43 Graft CEACAM1 is Essential to Autophagy Induction and T-Cell Regulation in Liver Transplantation: From Mouse-to-Human - Kojiro Nakamura, Shoihi Kageyama, Maciej Kujawski, Takahiro Ito, Antony Aziz, Damlia Oncel, Bibo Ke, Rebecca A. Sossa, Elaine F. Reed, Fady M. Kaldas, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA; Duarte, CA.

D44 Differences in Preservation Solution Formulas and Its Effects on Early Graft Function - Joseph T. Brooks, Paul Wiederhold, Ken Jiles, Alejandro Chiodo Ortiz, M. Dewey, M. Bailey, Naoru Koizumi, Emily Rady, Jorge Ortiz. Toledo, OH; Los Angeles, CA; Maumee, OH; Fairfax, VA.

D45 † Ischemia-Free Liver Transplantation in Pigs: Ischemia Reperfusion Injury is Avoidable? - Zhiyong Guo, Xiaoshun He, Yunhua Tang, Fei Ji, Zhiheng Zhang, Qiang Zhao, Shanzhou Huang, Zebin Zhu, Weiqiang Ju, Guodong Chen. Guangzhou, Guangdong, China.

D46 † The Role of Ex Vivo Normothermic Preservation in Minimizing Postreperfusion Syndrome in Liver Transplantation - Ahmed Hassan, Jacek Cywinski, Qiang Liu, Daniele Pezzati, Dongsheng Yang, Liu Liu, Giuseppe Iuppa, Koji Hashimoto, Federico Aucejo, Masato Fujiki, Bijan Eghtesad, Samuel Irefin, John Fung, Kareem Abu-Elmagd, Charles Miller, Cristiano Quintini. Cleveland.
D47 † Ex-Situ Normothermic Human Upper Extremity Perfusion: Preliminary Report

D48 Evaluation of a Marine OXYgen Carrier (Hemo2Life®) for Organ Preservation: First Use in Kidney Transplantation in Humans
Yannick Le Meur, Emmanuel Morellon, Marie Essig, Antoine Thierry, Matthias Buchler, Sophie Drouin, Charles Deruelle, Lionel Badet, Francis Pesteil, Pierre-Olivier Delpech, Jean-Marie Boutin, Benoit Barrou. Brest, France; Lyon, France; Limoges, France; Poitiers, France; Tours, France; Paris, France.

D49 Increased Expression of CEACAM1 is Cytoprotective during Ischemia-Reperfusion Injury in Human Orthotopic Liver Transplantation

D50 The Impact of Pre-Operative Opioid Use on Delayed Graft Function in Adult Kidney Transplant Recipients

D51 Assessment of Bile Production and Quality during Normothermic Ex Vivo Liver Perfusion to Predict Biliary Injury

D52 Factors Predicting Viability Achievement on Discarded Donor Livers Submitted to Extra-Corporeal Machine Perfusion

D53 Preoperative Antibiotics Treatment Decreases Endoplasmic Reticulum Stress and Protects Liver Transplant from Ischemia-Reperfusion Injury

D54 A Cost Analysis on Normothermic Machine Perfusion at a Single Center
Daniele Pezzatti, Qiang Liu, Hamed Hassan, Giuseppe Iuppa, Laia Coromina Hernandez, Giuseppe D’Amico, Teresa Diago Uso, Bijan Heightsad, Charles Miller, Cristiano Quintini. Cleveland, OH.

D55 Pumping Donor Kidneys Reduces DGF and Improves Allograft Survival without Affecting Rejection Rates
Mariya L. Samoylova, Amanda Nash, Todd V. Brennan. Durham, NC.

D56 Consistency of DCD Procurement Procedures across Organ Procurement Organizations – Preliminary Findings
Graham Mitro, Alejandro Ortiz, Rachel Warnock, Paul Wiederhold, Ken Jiles, Jorge Ortiz. Toledo, OH; Los Angeles.

D57 Protective Effect of Ceria-Nanoparticle on Renal Ischemia Reperfusion Injury in Rats
Sang-il Min, Song-Yi Kim, Sang Joon Kim, Jongwon Ha. Seoul, Korea; Goyang, Korea.

D58 Shortened Cold Ischemia Time and Reduced Incidence of Delayed Graft Function for Kidney Transplants through Enhanced Tissue Compatibility Testing
Ilkka Helanterä, Timo Saarinen, Juha Peräsaari, Marko Lempinen, Jouni Lauronen. Helsinki, Finland.
High Dose Tissue Plasminogen Activator Flush during Donation-after-Cardiac-Death (DCD) Liver Procurements Offers Optimal Outcomes
Julia Torabi, Jay A. Graham, Sarah Bellmare, Milan M. Kinkhabwala, Juan P. Rocca. Bronx, NY.

Viability Outcomes for Donor Livers Discarded Due to Steatosis Following Extra-Corporeal Machine Perfusion of the Liver

Normothermic Ex Vivo Liver Perfusion Prior to Liver Transplantation Can Prevent Platelet Aggregation and Platelet Induced Sinusoidal Cell Injury
Dagmar Kollmann, Ivan Linares, Sujani Ganesh, Roizar Rosales, Nicolas Tessandier, Eric Boillard, Matyas Hamar, Peter Urbanellis, Paul Yip, Oyedele Adeyi, Markus Selzner, Nazia Selzner. Toronto, Canada; Québec, Canada.

The Prognostic Implications of Renal Function Recovery and Delayed Graft Function in Kidney Transplantation
Shailali Sandal, Marcelo Cantarovich, Agnihotram Ramankumar, Nasim Saberi, Chee Saw, Dana Baran, Prosanto Chaudhury, Steven Paraskevas, Jean Tchervenkov. Montreal, Canada.

Molecular Injury and Repair Assessment in Ex Vivo Perfused Swine Heart Transplants
Nicole Herbers, Sanaz Hatami, Peter Dromparis, Jayan Nagendran, Michael Mengel, Darren Freed, Benjamin Adam. Edmonton, Canada.

Kidney Complications: Late Graft Failure

Survival in Deceased Donor Kidney Transplant by Kidney Donor Profile Index versus Intensive Home Hemodialysis
Angie Nishio-Lucar, Genevieve Lyons, Subhasish Bose, Jennie Z. Ma, Kwabena Awuah, Robert Lockridge. Charlottesville, VA; Lynchburg, VA.
D71 Implementation of Intensive Standardized Follow-Up in Kidney Transplant Recipients
Alice Crane, Mohamed Eltemamy, Tyler Coy, Paurush Babbar, Andrew Sun, Dane Jacobsen, Michelle Ponziano, Emilio Poggio, Alvin Wee, Richard Fatica, Venkatesh Krishnamurthi. Cleveland.

D72 Cognitive Impairment and Graft Loss in Kidney Transplant Recipients
Alvin Thomas, Jessica Ruck, Ashton Shaffer, Christine Haugen, Hao Ying, Fatima Warsame, Nadia Chu, Michelle Carlson, Alden Gross, Silas Norman, Dorry Segev, Mara McAdams-DeMarco. Baltimore; Ann Arbor.

D73 Impact of Aberrant Post-Transplant Laboratory and Blood Pressure Values on Graft Survival and Racial Disparities in Kidney Transplant

D74 Improvement in Intermediate Graft Survival among Deceased Donor Recipients in the Last Decade Due to Improvements in Outcomes of Higher KDPI Kidney Recipients

D75 How Safe is Immunosuppression Maintenance 1 Year after Renal Allograft Failure?

D76 Early Utilization of Telehealth in Kidney Transplantation
Tricia Young, Donald E. Hricik, Edmund Q. Sanchez, Nagaraju Sarabu. Cleveland, OH.

D77 Malignancies in Kidney Transplant Recipients: A Long-Term Observational Study
Dmytro Khadzhynov, Fabian Halleck, Felix A. Froehlich, Lukas Lehner, Eva Schrezenmeyer, Klemens Budde, Oliver Staeck. Berlin, Germany.

D78 Timeline and Histopathological Characteristics of Graft Failure after Kidney Transplantation: What is Preventable and What is Not?

D79 Urine Pellet Podocyte mRNAs Correlate Closely with Late Kidney Allograft Loss-of-Function

D80 Does DGF Result in Worse Outcomes in a Second Transplant?
Brenda L. Muth, Brad C. Astor, Justin W. Blazel, Jennifer A. Turk, Didier A. Mandelbrot, Arjang Djamali, Sandesh Parajuli. Madison, WI.

D81 Comprehensive Assessment of NSAID Use and Potential Nephrotoxicity Risk in Adult Veteran Kidney Transplant Recipients
J. Chiasson, C. Fominaya, M. Gebregziabher, David Taber. Charleston, SC.

D82 Urinary Microbiome Associated with Chronic Allograft Dysfunction in Kidney Transplants

D83 Etiologies and Long-Term Outcomes of Acute Kidney Injury in Older Kidney Transplant Recipients
Rafael D. Rodriguez, Prince Amechi, Vinaya Rao, David Taber, Maria Aurora Posadas Salas. Charleston, SC.

D84 Change in Estimated Glomerular Filtration Rate Pre and Post Development of Donor-Specific Antibodies after Kidney Transplantation
D85  Metabolic Acidosis after Kidney Transplantation: Prevalence, Risk Factors and Graft Outcome in a French Cohort
Florian Garo, Ilan Szwarz, Georges Mourad, Moglie Le Quintrec, Jean-Emmanuel Serre. Montpellier, France.

D86  Assessing Fibrosis Burden in Renal Allograft with Chronic Damage Using Functional Magnetic Resonance Imaging

D87  Association between Genetic Polymorphisms of Fc Gamma Receptor Genes (FcgR) and the Development of Donor Specific Antibodies (DSA) after Kidney Transplant
David I. Min, Youngil Chang, Tariq Shah. Pomona, CA; Los Angeles, CA.

D88  Urinary Sulfate Excretion and Late Graft Failure in Renal Transplant Recipients
M. Yusof Said, Adrian Post, Isidor Minovic, Marco van Londen, Harry van Goor, Douwe Postmus, M. Rebecca Heiner-Fokkema, Else van den Berg, Andreas Pasch, Gerjan Navis, Stephan J. L. Bakker. Groningen, Netherlands; Bern, Switzerland.

D89  The Value of Serum Dilution on DSA Outcome Analysis in Renal Transplantation
Wei Huang, Lorita M. Rebellato, Kimberly P. Briley, Paul Bolin, Scott A. Kendrick, Angela Q. Maldonado, David Leeser, Carl Haisch, Matthew J. Everly. Los Angeles, CA; Greenville, NC.

D90  Long-Term Outcomes of Primary Kidney Transplant from Expanded Criteria Maastricht Category 3 DCD Donors: A Single-Centre Observational Study
Evaldo Favi, Carmelo Puliatti, Samuele Iesari, Mariano Ferreira, Roberto Cacciola. Milan, Italy; London, United Kingdom; L’Aquila, Italy.

D91  Angiotensin II Type 1 Receptor Antibodies as Markers of Post Transplant Focal Segmental Glomerulosclerosis and Proteinuria
Amtul Aala, Mary Philogene, Nada Alachkar. Baltimore, MD.

D92  Donor Specific Antibodies and Clinical Outcomes in Kidney Transplant Recipients
Susan S. Wan, Steven J. Chadban, Kate Wyburn. Sydney, Australia.

D93  Impact of Renal Parenchymal Calcifications in a Cohort of Renal Transplanted Patients and Their Correlations with Long Term Graft Outcome
Carlo Alfieri, Gabriella Moroni, Donata Cresseri, Anna Regalia, Francesca Zanoni, Valentina Binda, Maria Teresa Gandolfo, Mariarosaria Campise, Maria Meneghini, Masami Ikehata, Piergiorgio Messa. Milano, Italy; Milan, Italy.

D94  Death-Censored Graft Failure (DCGF) Post Kidney Transplant (KTx) is Usually the Result of Rapid Loss of Function after Periods of Stability
Robert Gaston, Lawrence Hunsicker, Ann Fieberg, Arthur Matas. The DeKaf Consortium. Covington, KY; Iowa City, IA; Minneapolis, MN.

D95  Impact of De Novo DSA Development and Management on Kidney Transplant Outcomes
Mariesa Cote, Martha Pavlakis, Francesca Cardarelli, J. Ryan Pena, Anh Dinh, Katelyn Richards, Kayla Joyal, Christin Rogers. Boston, MA.

D96  Competing Risk Analysis in Renal Allograft Survival: A New Perspective to an Old Problem
Mireille Elters, Byron Smith, Fernando Cosio, Walter Kremers. Rochester, MN.

D97  A Novel, Dose-Adjusted Tacrolimus Intrapatient Variability Model Identifies High-Risk Kidney Transplant Recipients Better Than Existing Methodologies
Janet Kim, Sam Wilson, Yi Song, Jason J. Schwartz. Northbrook.
D98  Association of Physical Function and Survival in Elderly Renal Transplant Recipients
Amarpali Brar, Fasika Tedla, Moro Salifu, Rainer Gruessner, Devon John, Nabil Sumrani, Angelika Gruessner. Brooklyn, NY.

D99  C4d Staining and Graft Survival in Renal Transplant Recipients
Naushaba Mohiuddin, Sonalika Agarwal, Anita Patel, Rohini Prashar. Detroit, MI.

D100 Characteristics and Outcomes of Kidney Transplant Recipients with More Than 25 Years of a Functioning Graft

D101 Outcome Analysis of Renal Re-Transplantation Compared to a Matched Control Group of First Transplantation
Anke Schwarz, Frank Schaefer, Theodor Framke, Silvia Linnenweber, Hermann Haller. Hannover, Germany.

D102 Predicting Early and Late eGFR Variability in Kidney Transplant Recipients
Karim Soliman, David Taber, Su Zemin, Vinaya Rao. Charleston, SC.

D103 Antiproteinuric Effect of Spironolactone in Renal Transplantation: Effectiveness and Clinical Outcomes

D104 Histogenomics: Molecular Profiling of Kidney Biopsies Predict Delayed Graft Function

D105 Pilot Study of Health IT Feasibility and Impact on Quality of Life for Young Adult Kidney Transplant Recipients
Christopher D. Blosser, Ronit Katz, Jonathan Himmelfarb, Nisha Bansal. Seattle, WA.

D106 The Association between Transplant Glomerulopathy and Graft Outcomes among Patients Undergoing Kidney Transplantation: Results of a Meta-Analysis

D107 The Combination of Area under Curve of Estimated Glomerular Filtration Rate for 2 Years and Annual Rate Change of Estimated Glomerular Filtration Rate Predicts Long-Term Graft Survival in Kidney Transplants

D108 Multiparametric MRI for Assessment of Renal Transplant Fibrosis: A Pilot
Madhav C. Menon, Octavia Bane, Sara Lewis, Rafael Khaim, Sander Florman, Paul Kennedy, Stefanie Hectors, Veronica Delaney, Fadi Salem, Bachir Taouli. New York, NY.

D109 Proton Pump Inhibitor Use among Kidney Transplant Recipients
Nikita Wilson, Stefanie Bala, Beatrice P. Concepcion. Nashville, TN.

D110 Risk Factors and Sequelae of Post-KT Delirium

D111 Treatment Outcomes of FSGS Recurrence
Juliana Mansur, Domingo Chang, Gilberto Medeiros, Marina Cristelli, Laila Viana, Suelen Stopa, Claudia Felipe, Gianna Kirsztajn, Helio Tedesco-Silva. Sao Paulo, Brazil; Lima, Peru.

D112 Impact of Immediate Graft Function in Kidney Transplant Outcomes
Carlos Arias-Cabrales, Maria-Jose Pérez-Sáez, Dolores Redondo-Pachón, Marta Crespo, Marisa Mir, Julio Pascual. Barcelona, Spain.
**D113** Complement Activating HLA Class 2 Antibodies Are Associated with Poor Renal Allograft Survival; Multicentre Study
Adarsh Babu, Olivia Shaw, Natasha Khovanova, Sian Griffin, David Briggs, Nithya S. Krishnan, Simon Fletcher, Christopher Imray, Adrienne Seitz, Richard Baker, Matthew Wellberry-Smith, Brendan Clarke, Katherine Cullen, Frankie Edwards, Tracey Rees, Emma Burrows, Louise Howe, Robert Vaughan, Nicos Kessaris, Nizam Mamode, Anthony Dorling, Daniel Zehnder, Robert M. Higgins, Daniel Mitchell, Sunil Daga. Coventry, United Kingdom; Leeds, United Kingdom; Cardiff, United Kingdom; London, United Kingdom; Birmingham, United Kingdom.

**D115** High Kidney Donor Profile Index (KDPI) Donor Kidneys: Use Them, Don’t Lose Them!
David I. Harriman, Alan Farney, Jeffrey Rogers, Giuseppe Orlando, Amber Reeves-Daniel, Michael Gautreaux, William Doares, Scott Kaczmorski, Robert J. Stratta. Winston-Salem, NC.

**D116** Outcomes after Kidney Transplant (KTx) from Deceased Donors (DD) Aged ≥ 70

**D117** Successful Utilization of Deceased Donor Kidney Allografts with KDPI>85: The Organ is Not Wholly to Blame
Avinash Agarwal, Angie Nishio Lucar, Arash Nickholgh, Kenneth L. Brayman, Alden M. Doyle, Jose Oberholzer. Charlottesville, VA.

**D118** Pump Resistive Index Values and Not Preimplantation Kidney Biopsy Predict Kidney Allograft Survival
Jack Liu, Amit Blumfield, Mehul Trivedi, Nikita Mishra, Omar Mohammed, Juan Lin, Maria Ajaimy, Jay Graham, Juan Rocca, Enver Akalin, Stuart Greenstein. Bronx, NY.

**D119** Kidney Transplantation (KTx) Using Kidneys from Deceased Donors (DD) with AKIN Stage 2 and 3 Are Associated with Excellent Graft Outcomes

**D120** Kidney Transplantation (KTx) Using Kidneys from Deceased Donors (DD) with Severe Acute Kidney Injury (AKI) Requiring Renal Replacement Therapy (RRT)

**D121** Successful Utilization of Deceased Donor Kidney Allografts with KDPI>85 in Older Recipients
Arash Nickholgh, Avinash Agarwal, Angie Nishio Lucar, Kenneth L. Brayman, Alden M. Doyle, Jose Oberholzer. Charlottesville, VA.

**D122** Using the Remuzzi Score to Guide Single vs. Dual Transplantation Mitigates the Risk of Early Graft Failure
John O. O. Ayorinde, Gavin C. Pettigrew. Cambridge, United Kingdom.

**D123** Equivalent Clinical Outcomes and Stable Post-Operative Anti-A IgG Titers in A2 to B Renal Transplant Recipients Compared to Matched B to B Cohort

**D124** Excellent Long Term Outcomes Transplanting Single Pediatric Kidneys from Donors Five Years and Younger into Adult Recipients

**D125** Outcomes of Very Old Kidney Recipients of Grafts from Very Old Donors
D126 Outcomes and Risk Factors of Kidney Transplantation from Pediatric Donors to Adult Recipients

D127 Outcomes of Donor and Recipient Obesity in Kidney Transplantation
Jacantha Buggs, Radhe Mehta, Maryam Adesunkanmi, Jasmine Boone, Ebonie Rogers, Ambuj Kumar, Victor Bowers. Tampa, FL.

D128 Kidney and Liver DCD Outcomes - A Five Year Review
Jacantha Buggs, Jasmine Boone, Maryam Adesunkanmi, Radhe Mehta, Ebonie Rogers, Ambuj Kumar, Angel Alsina, Victor Bowers. Tampa, FL.

D129 Reducing Discards for Deceased Kidney Donors over Age 50 by Restricting Biopsy Criteria
Clint Hostetler, Jared Rogge, Bruce Nicely, Steven Rudich. Ann Arbor, MI.

D130 New Factors Predicting Delayed Graft Function: A Multi-Center Cohort Study Based on Kidney Donation after Brain Death Followed by Circulatory Death
Qipeng Sun, Honglan Zhou, Minzhuan Lin, Xuefeng Hua, Liangqing Hong, Zhengyu Huang, Ning Na, Ruiming Cai, Gang Wang, Qiquan Sun. Guangzhou, China; Changchun, China.

D131 Furosemide Stress Test as a Predicting Biomarker for Delayed Graft Function in Kidney Transplantation

D132 Kidney Transplantation from Uncontrolled Donation after Circulatory Death, Good Outcomes after Very Long Time

D133 Donor Acute Kidney Injury Does Not Affect Fibrosis on 1 Year Post-Transplant Kidney Biopsy

D134 Elevated Donor Terminal Creatinine Does Not Appear to Be Associated with Worse Outcomes in Kidney Transplantation
Stephen Rayhill, Jeffery Haldorson. Seattly.

D135 Peri-Operative Hemoglobin, Blood Transfusion and Delayed Graft Function in Kidney Transplant Recipients
Sarah Maclsaac, Agnihotram Ramankumar, Chee Saw, Veronique Naessens, Marcelo Cantarovich, Dana Baran, Steven Paraskevas, Jean Tchervenkov, Prosanto Chaudhury, Shaifali Sandal. Montreal, Canada.

D136 Predictors of Kidney Transplant Recipient Readmissions
Alice Crane, Mohamed Eltemamy, Dane Jacobsen, Tyler Coy, Andrew Sun, Paurush Babbar, Michelle Ponziano, Emilio Poggio, Alvin Wee, Richard Fatica, Venkatesh Krishnamurthi. Cleveland.

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
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 Ortigosa-Goggins, Mona Doshi, Barry I. Freedman, David M. Reboussin, 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

D148   The Role of Pre-Emptive Antibiotic Therapy in Kidney Recipients of Urine-Only Positive Cultures
Pierina Cabrera, Alexandra Centeno, Jane Revollo, Jose Camargo. Miami, FL.

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.

D151   Elbasvir-Grazoprevir (Zepatier) is Effective and Safe for the Treatment of Chronic Hepatitis C (HCV) Genotype 1 Virus in the Post Kidney Transplant Patient
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D180 Impact of Cigarette Smoking on Living Kidney Donor
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Oluwafisayo Adebiyi, Asad Riaz, Muhammad S. Yaqub, Dennis Mishler, Tim Taber, Asif Sharfuddin. Indianapolis.

D182 † 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.

D183 Prevalence of Metabolic Syndrome (MetS) and Insulin Resistance in Living Kidney Donors

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D184 † Clinical Significance of Isolated v-Lesions in Kidney Transplantation

D185 † Early Sub-Clinical and Clinical TCMR Are Associated with Progressive Renal Allograft Dysfunction

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D188 Polymorphisms of Nucleotide Factor of Activated T Cells Cytoplasmic 2 and 4 and the Risk of Acute Rejection Following Kidney Transplantation
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D189 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

D192  Long-Term Outcomes of Graft Function in Elderly Kidney Transplant Recipients
Iman Bajjoka, Alexander Yaldo, Catherine Crombez, Marwan Abouljoud. Detroit, MI.

D193  Multivariate Cox Proportional Hazards Model for Estimating Long-Term Risk of Aging Kidney Transplant Recipients
Alexander Yaldo, Iman Bajjoka, Xiaoxia Han, Catherine Crombez, Marwan Abouljoud. Detroit, MI.

D194  Clinically Relevant Variation of Donor-Derived Cell-Free DNA during Longitudinal Surveillance of Renal Allografts
Mohanram Narayanan, Tarek Alhamad, David Hiller, James P. Yee, Robert N. Woodward, Jonathan S. Bromberg. 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
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D197  Highly Correlative Whole-Tissue Gene/protein Signatures to Score FFPE Transplant Biopsies with Inflammation and Acute Rejection

D198  Diagnosis of Acute Renal Rejection Using Saliva Metabolome Analysis
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D199  Belatacept-Refractory CD8+CD28- CD38hi Effector/Memory T Cells Are Targeted by mTOR Inhibition Leading to a Preferential Loss of CD40L

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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
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D203  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, Milton Ghiotti Siqueira, Tercio Genzini. Sao Paulo, Brazil; Brasilia, Brazil; Rio Branco, Acre, Brazil.

D204  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

D205  Persistent Progressive Acute Kidney Injury and Graft Failure Post Liver Transplantation

D206  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.

D207  Intervention for Splenorenal Shunt May Decrease the Incidence of Post-Liver Transplant Acute Kidney Injury
Jingzhou Wang, Arash Nickholgh, Rauf Shahbazov, Shawn Pelletier, Daniel Maluf. Charlottesville, VA.

D208  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.

D209  Transplantation of DCD Livers vs. NDD and LDLT: Is There a Difference in Post-Transplant Kidney Dysfunction?

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D211  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.

D212  Midodrine Associated with Increased Mortality on Liver Transplant Waitlist
Jennifer A. Kalil, Martin Hertl, Erik Schadde, Jennifer Poirier, Nicole Alvey, Edie Chan. Chicago, IL.

D213  Clinical Analysis of Impact of Intraoperative Hepatic Blood Inflow on Acute Kidney Injury Following Allogeneic Liver Transplantation
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D230  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.


D234  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.

D235  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.


D237  Complications and QoL after Living Donor Hepatectomy: Analysis of 176 Cases at a Single Center  Srinath Chinnakotla, Varvara Kirchner, Steven Mongin, Danielle Berglund, Oscar Serrano, Timothy Pruett. Minneapolis.


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D241  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.

Benefit of Anti-Hepatitis B Immunoglobulin(HBIG) Monotherapy Compared to HBIG Combined with Entecavir in Long Term Renal Function

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M. Laub, J. Byrns, M. Harris, C. Berg, S. Sanoff. Durham, NC.

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. Aguado, Isabel Campos-Varela, Norah A. Terrault. San Francisco, CA; Santiago de Compostela, Spain.

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.

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Shree Patel, Joan Jin, Enrico Benedetti, Patricia West-Thielke. Chicago.

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Maria Siemionow, Joanna Cwykiel, Enza Marchese, George Rafidi, Katarzyna Futoma, Ahlke Heydemann, Jesus Garcia-Martinez, Erzsebet Szilagyi. Chicago.

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Mitochondrial Quality Control through PGC-1α in Syngenic Mouse Heart Transplant
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Extracellular Vesicles Derived from Huc-MSCs Alleviate Rat Hepatic Ischemia-Reperfusion Injury by Suppressing Oxidative Stress and Neutrophil Inflammatory Response

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.
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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

D256 The Grade of Pre-Transplant Portal Vein Thrombosis in Liver Transplant Recipients Impacts Graft and Patient Survival
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D257 Preventing Recurrence of Incisional Hernia after Liver Transplantation

D258 Liver Transplantation Post Gastric Bypass: Surgical Complications and Outcomes
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D259 Incisional Hernia after Orthotopic Liver Transplantation: A Systematic Review and Meta-Analysis

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
Zoltan Czigany, Jan Bednarsh, Jörg Böcker, Franziska Meister, Iakovos Amygdalos, Wenzel Schönig, Tom Florian Ulmer, Xavier Rogiers, Phillipp Dutkowski, Pál-Dag Line, Massimo Malagó, Ulf Peter Neumann, Georg Lurje. 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.

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<td>Bone Marrow Derived Myeloid Suppressor Cell (BM-MDSCs) Prolongs the Graft Survival in Murine Heart Transplantation</td>
<td>Koichiro Uchida, Keiichi Fujimoto, Kazuyoshi Takeda, Hisashi Bashuda, Enzhi Yin, Ko Okumura.</td>
<td>Tokyo, Japan.</td>
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D277  A Single Center Outcomes Analysis of UNOS Defined “Hard to Place Kidneys” Yasir Qazi, Kristina Lee, Amanda Jones, Lorena Aguirre, Marie Parma, Mirosolav Smogorzewski, Thin Thin Maw, Linda Sher. Los Angeles, CA.


D280  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.

D281  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.


D283  Depressive Symptoms, Medication Nonadherence, and Clinical Outcomes Following Lung Transplantation Michael C. Chu, Patrick J. Smith, Gregory L. Stonerock, James A. Blumenental. Singapore, Singapore; Durham, NC.

D284  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.

D285  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-Iakov, Michael S. Grimley. Cincinnati, OH; Washington, DC.

D286  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 Muijesan. Birmingham, United Kingdom; Rome, Italy; Rotterdam, Netherlands.


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

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 Baccaran, 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 Vandegriff, 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 Vasiliauskaire, 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.