
American Transplant Congress
Meeting Office
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AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Saturday, June 2, 2018

Saturday, June 2

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

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and Advanced Leadership:
Navigating the Complex
Regulatory Waters**
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Transplantation (In collaboration
with NATCO and ITNS)**
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Dilemmas Posed by Combined
Heart and Liver Disease (Case-
Focused Discussions)**
Room 615-617
- Page 11* **Immunobiology of ABMR –
Bench to Bedside**
Room 608-609

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

Presenters in Attendance
Hall 4EF

AMERICAN TRANSPLANT CONGRESS

Program, Saturday, June 2, 2018

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

AMERICAN TRANSPLANT CONGRESS

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Saturday, June 2

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
Dick, 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, Inflammation, 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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4:30 pm Update On Microbiota in Regulation of Immunity and Tolerance

*Maria-Luisa Alegre, MD, PhD
University of Chicago
Chicago, IL, USA*

5:00 pm Top 10 Immunology Papers of the Year

*Jonathan Bromberg, MD, PhD
University of Maryland School of Medicine
Baltimore, MD, USA*

Basic Science for the Clinician

Room 602-604

Moderators: Jonathan Maltzman, MD, PhD, Stanford University, Palo Alto, CA, USA and Alexander Kroemer, Georgetown University Hospital, Washington, DC, USA

1:00 pm An Overview of Immune Responses- From Inception to Memory

*Peter Heeger, MD
Icahn School of Medicine at Mount Sinai
New York, NY, USA*

1:25 pm The Innate Immune Response- Dangers, Sensors, and Cells

*Fadi Lakkis, MD
University of Pittsburgh
Pittsburgh, PA, USA*

1:50 pm T Cells and Their Effector Mechanisms in Rejection

*Robert Fairchild, PhD
Cleveland Clinic
Cleveland, OH, USA*

2:15 pm The Life Cycle of B Cells and Their Roles in Alloimmunity

*Geetha Chalasani, MD
University of Pittsburgh
Pittsburgh, PA, USA*

2:40 pm Essential Mechanisms Regulating Immune Responses

*Qizhi Tang, PhD
University of California San Francisco
San Francisco, CA, USA*

3:05 pm The “Holy Grail” of Transplantation Tolerance

*Jonathan Maltzman, MD, PhD
Stanford University
Palo Alto, CA, USA*

3:30 pm Coffee Break

4:00 pm Memory Cells and Their Impact on Allograft Tolerance

*Mandy Ford, PhD
Emory University
Atlanta, GA, USA*

4:25 pm Therapeutic Approaches to Rejection

*Enver Akalin, MD
Albert Einstein College of Medicine
Montefiore Medical Center
Bronx, NY, USA*

4:50 pm Chronic Graft Rejection- Mechanisms and Emerging Approaches

*Roslyn Mannon, MD
University of Alabama at Birmingham
Birmingham, AL, USA*

5:15 pm Discussion

The Immunology of Kidney Transplantation

Room 6B

Moderators: Jennifer Trofe-Clark, Pharm D, BCPS, University of Pennsylvania, Philadelphia, PA, USA and Lisa Florence, MD, Swedish Medical Center, Seattle, WA, USA

1:00 pm Immunobiology of Rejection for the Nephrologist

*Leonardo Riella, MD, PhD
Brigham and Women’s Hospital Boston,
MA, USA*

1:20 pm Immunological Assessment of the Transplant Recipient

*Kathryn Tinckam, MD, MMSc, FRCPC
University of Health Network
Toronto, ON, Canada*

1:40 pm Immunosuppression Current Approaches and Future Strategies

*Andrew Adams, MD, PhD
Emory University
Atlanta, GA, USA*

2:00 pm Beyond Conventional Pathology – New Approaches to Diagnose Rejection – Potential Use and Advantages

*Paolo Cravedi
Icahn School of Medicine at Mount Sinai
New York, NY, USA*

2:20 pm Discussion

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Saturday, June 2

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*

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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 T1D

*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

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Saturday, June 2

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

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

2:40 pm Panel Discussion

3:00 pm Coffee Break

Can I Do this Liver Transplant?

Moderators: Deepika Devuni, MD, University of Massachusetts, Westborough, MA, USA and Daniel Ganger, MD, Northwestern University, Chicago, IL, USA

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

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

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

4:25 pm Panel Discussion

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

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

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

5:20 pm Discussion

Immunobiology of ABMR – Bench to Bedside **Room 608-609**

The Benchside View of ABMR

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

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

1:20 pm Discussion

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

1:45 pm Discussion

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

2:10 pm Discussion

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- 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
Hall 4EF

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

7:00 am – 8:15 am Sunrise Interactive

Page 17 **Keep It Going! Long-Term Success After Heart Transplantation**
Room 615-617

Page 17 **Pulmonary Vascular Complications of Liver Disease: Management and Outcomes Pre- and Post-Transplant**
Room 618-620

Page 17 **Virtual Transplant Diagnostic Testing**
Room 611-614

Page 17 **Multidisciplinary Transplant Trainee Hot Topic Debate**
Room 602-604

7:00 am – 8:15 am Sunrise Didactic

Page 18 **VCA: Where are we now?**
Room 4C-3

Page 19 **Single vs. Dual Kidney Transplantation: 2 for 1 or 1 for 2?**
Room 6B

Page 19 **Understanding and Optimizing Liver Transplantation Outcomes in the Obese Cirrhotic Patient**
Room 6A

Page 19 **Frontiers in CMV - Bench to Bedside**
Room 6E

Page 19 **Decision-Making for the Complicated Diabetic Patient**
Room 608-609

Page 20 **Role of Autophagy in Regulation of Immune Responses**
Room 606-607

Page 20 **New Indications and Approaches in Targeting Tregs**
Room 6C

Page 20 **Special Considerations in Transplanting the Very Young**
Room 4C-4

8:30 am – 9:30 am Plenary Session

Page 20 **Plenary Session I**
Room Hall 4B

9:30 am – 9:45 am Joint Award Session

Page 21 Room Hall 4B

9:45 am – 10:00 am AST Awards

Page 21 Room Hall 4B

10:00 am – 10:15 am AST Lifetime Achievement Award

Page 21 Room Hall 4B

10:15 am – 10:30 am ASTS Research Awards

Page 21 Room Hall 4B

10:30 – 10:45 am ASTS Pioneer Award

Page 21 Room Hall 4B

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

11:15 am – 12:45 pm Midday Interactive

Page 21 **Liver Transplantation for Alcohol Hepatitis**
Room 6C

Page 22 **Should We Continue Prioritizing Kidney-Heart and Kidney-Liver Transplant Candidates Over Kidney-Along Candidates?**
Room 6B

Sunday, June 3

AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Sunday, June 3, 2018

Page 22 **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

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

Supported by Sanofi Genzyme

Page 25 *Grand Ballroom A/B, Second Floor*

Supported by One Lambda

Page 25 *Metropolitan Ballroom A/B, Third Floor*

11:15 am – 12:45 pm Midday Didactic

Page 23 **VCA: From Head to Finger Update**
Room 4C-3

1:00 pm – 2:15 pm Luncheon Workshops

Page 23 **To Pump or Not to Pump**
Room 6A

Page 25 **Ticketed Events**

Page 23 **Quagmires in Donor Heart Allocation**
Room 618-620

Page 25 **Controversies in BK: A Case-Based Approach**
Room 205

Page 23 **Acute and Chronic Antibody Mediated Rejection in Lung Transplant: Alloimmunity and Autoimmunity**
Room 615-617

Page 25 **Social Media in Organ Donation and Education**
Room 310

Page 24 **Top Papers in Transplant Infectious Diseases**
Room 6E

Page 25 **Luncheon Workshop: Care of Allograft Recipients in Transition (CARE - ART)**
Room 204

Page 24 **Bench to Bedside- Costimulatory and Co-Inhibitory Pathways in Transplantation**
Room 602-604

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

Page 24 **Epigenetic Regulation of T Cell Responses**
Room 608-609

Page 25 **Mechanisms of Tissue Fibrosis and How They Apply to Chronic Allograft Injury**
Room 608-609

Page 24 **Emerging Areas in Regulation of Immunity and Immunosuppression**
Room XX

2:30 pm – 5:30 pm Student Program

Page 25 **Challenges in Managing Antibody-mediated Allograft Injury**
Room Hall 4B

Page 36 **The Science, The Art, And The Allure of Transplantation**
Room 618-620

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

Page 36 **Assessing and Addressing Medication Non-Adherence in the “Real World” Clinical Setting**
Room 611-614

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<i>Page 37</i>	Assessing and Addressing Medication Non-Adherence in the “Real World” Clinical Setting <i>Room 611-614</i>	2:30 pm – 6:00 pm	Featured Nursing Symposium
2:30 pm – 4:00 pm	Concurrent Oral Abstract Sessions		
<i>Page 26</i>	Antigen Presentation / Allorecognition / Dendritic Cells <i>Room 4C-3</i>	<i>Page 37</i>	Innovation in Transplantation: Leadership and Education (In Collaboration with NATCO and ITNS) <i>Room 615-617</i>
<i>Page 26</i>	Islet Cell and Cell Transplantation <i>Room 2AB</i>	<i>Page 38</i>	Health Literacy <i>Room 615-617</i>
<i>Page 27</i>	Kidney Acute Antibody Mediated Rejection <i>Room Hall 4B</i>	4:30 pm – 6:00 pm	Concurrent Oral Abstract Sessions
<i>Page 28</i>	Kidney Deceased Donor Allocation - 1 <i>Room 6E</i>	<i>Page 38</i>	Acute Rejection <i>Room 6A</i>
<i>Page 29</i>	Kidney Immunosuppression: mTORi Based Regimens <i>Room 6A</i>	<i>Page 39</i>	Kidney Complications: Disease Recurrence <i>Room Hall 4B</i>
<i>Page 30</i>	Kidney Infectious - Viral Hepatitis <i>Room 4C-4</i>	<i>Page 40</i>	Kidney Donor Selection / Management Issues - 1 <i>Room 6E</i>
<i>Page 30</i>	Kidney Living Donor: Selection <i>Room 606/607</i>	<i>Page 40</i>	Kidney Immunosuppression: Co-Stimulation Based Regimens <i>Room 6C</i>
<i>Page 31</i>	Kidney: Pediatrics - 1 <i>Room 3AB</i>	<i>Page 41</i>	Kidney Psychosocial - 1 <i>Room 210</i>
<i>Page 32</i>	Liver: Immunosuppression and Rejection <i>Room 6B</i>	<i>Page 42</i>	Kidney Transplant Goes Viral <i>Room 606/607</i>
<i>Page 33</i>	Liver: Recipient Selection <i>Room 6C</i>	<i>Page 43</i>	Kidney: Cardiovascular and Metabolic - 1 <i>Room 303</i>
<i>Page 34</i>	Lung: From Allocation to Outcomes <i>Room 303</i>	<i>Page 43</i>	Liver - Kidney Issues in Liver Transplantation <i>Room 6B</i>
<i>Page 34</i>	Small Bowel: All Topics <i>Room 210</i>	<i>Page 44</i>	Non-Organ Specific: Disparities to Outcome and Access to Healthcare <i>Room 4C-4</i>
<i>Page 35</i>	Xenotransplantation <i>Room 602/603/604</i>	<i>Page 45</i>	Novel Therapeutics <i>Room 602/603/604</i>

Sunday, June 3

AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Sunday, June 3, 2018

Page 45 **The Guest That NEVER Leaves:
Immunologic Challenges in Heart
Transplantation**
Room 4C-3

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

Page 46 *Room 2AB*

6:00 pm – 7:00 pm Poster Session B
Presenters in Attendance
Hall 4EF

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

Sunrise Interactive

7:00 am – 8:15 am

Keep It Going! Long-Term Success After Heart Transplantation

Room 615-617

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

7:00 am **How Should We Monitor and Immunosuppress?**

Allen Anderson, MD
Northwestern University
Chicago, IL, USA

7:20 am **Getting Kids to Adulthood – Managing The Pediatric Population**

Hannah Copeland, MD
University of Mississippi
Jackson, MS, USA

7:40 am **A Third Chance – Which Patients and When for Retransplantation?**

Howard Eisen, MD
Drexel University College of Medicine
Philadelphia, PA, USA

8:00 am **Discussion**

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

Room 618-620

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

7:00 am **Screening, Evaluation, And Treatment of Porto-Pulmonary Hypertension (POPH)**

Michael Fallon, MD
University of Arizona College of Medicine
Phoenix, AZ, USA

7:20 am **Current Approach to Hepatopulmonary Syndrome (HPS) Diagnosis and Management**

Michael Krowka, MD
Mayo Clinic
Rochester, MN, USA

7:40 am **Intraoperative Management of Portopulmonary Hypertension and Hepatopulmonary Hypertension**

Michael Ramsay, MD, FRCA
Baylor University Medical Center
Dallas, TX, USA

8:00 am **Discussion**

Virtual Transplant Diagnostic Testing

Room 611-614

Moderators: Howard Gebel, PhD, Emory University Hospital, Atlanta, GA, USA and Annette Jackson, PhD, Johns Hopkins University, Baltimore, MD, USA

7:00 am **Predicting Lymphocyte Crossmatch Outcomes Virtually**

Anat Tambur, DMD, PhD
Northwestern University
Chicago, IL, USA

7:20 am **Utilization of Virtual Crossmatching Across All Solid Organ Types with Accuracy: Limitations for Hitting the Target**

Robert Bray, PhD
Emory University Hospital
Atlanta, GA, USA

7:40 am **Virtual Crossmatch: Patient Outcomes and Future Directions**

Peter Jindra, PhD
Baylor College of Medicine
Houston, TX, USA

8:00 am **Discussion**

Multidisciplinary Transplant Trainee Hot Topic Debate

Room 602-604

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

7:00 am **Hopkins Team: Use of HCV + Donors Should Be Considered Standard of Care**

Sunday, June 3

AMERICAN TRANSPLANT CONGRESS

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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*

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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*

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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 Linker
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*

Special Considerations in Transplanting the Very Young

Room 4C-4

Moderators: Michael Green, MD, MPH, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA and Jorge Reyes, MD, University of Washington, Seattle, WA, USA

7:00 am Neurocognitive Outcomes in Very Young Transplant Recipients

*Beth Logan, PhD
Children's Hospital of Pittsburgh of UPMC
Pittsburgh, PA, USA*

7:25 am Infectious Complications in Very Young Transplant Recipients

*Lara Danzinger, MD, MPH
Cincinnati Children's Hospital Medical Center
Cincinnati, OH, USA*

7:50 am Immunological Considerations for the Young Transplant Recipient

*Srinath Chinnakotla, MD, MBA
University of Minnesota Medical School
Minneapolis, MN, USA*

Break

8:15 am - 8:30 am

Plenary Session I

8:30 am – 9:30 am

Room Hall 4B

Chairs: Jean Emond and Ronald Gill

8:30 am Carfilzomib and Belatacept Reduces DSA and Prolongs Survival in a Highly Sensitized Rhesus Model of Kidney Transplantation (Abstract #1)

Brian Ezekian, Jean Kwun, Paul M. Schroder, Miriam Manook, Janghoon Yoon, Michael S. Mulvihill, Kyle Freischlag, Joshua Cochran, Kayla Kroning, John S. Yi, Stuart J. Knechtle. Durham, NC.

AMERICAN TRANSPLANT CONGRESS

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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)**
Jean Pierre Assaker, Naoka Murakami, Siawosh K. Eskandari, Mayuko Uehara, Carl Nathan, Hullin Li, Gang Lin, Jamil R. Azzi. Boston; New York; Grand Rapids.

9:00 am **Depletion Resistant Effector Memory T Cells Mediate Thymoglobulin Refractory Allograft Rejection in Human Intestinal Transplant Recipients (Abstract #3)**
Oswaldo Aguirre, Brenna Houlihan, Abdullah Karabala, Chris Cosentino, Raffaele Girlanda, Jason Hawksworth, Cal Matsumoto, Michael Zasloff, Thomas Fishbein, Alexander Kroemer. Washington, DC.

9:15 am **Superiority of Early Everolimus-Based Quadruple Immunosuppression versus Standard Triple Therapy after Lung Transplantation: 12 Months Results from Prospective 4EVERLUNG Study in Germany (Abstract #4)**
Jens Gottlieb, Claus Neurohr, Joachim Müller-Quernheim, Hubert Wirtz, Björn Sill, Heinrike Wilkens, Vasiliki 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

9:30 am – 9:45 am

Room Hall 4B

AST Awards

9:45 am – 10:00 am

Room Hall 4B

AST Lifetime Achievement Award

10:00 am – 10:15 am

Room Hall 4B

ASTS Research Awards

10:15 am – 10:30 am

Room Hall 4B

ASTS Pioneer Award

10:30 am – 10:45 am

Room Hall 4B

Coffee Break in the Exhibit Hall

10:45 am – 11:15 am

Room Hall 4EF

Midday Interactive

11:15 am – 12:45 pm

Liver Transplantation for Alcohol Hepatitis

Room 6C

Moderators: Elizabeth Verna, MD, MS, Columbia University, New York, NY, USA and Thomas D. Schiano, MD, Mount Sinai Medical Center, New York, NY, USA

11:15 am PRO: Liver Transplantation for Alcoholic hepatitis: Just One More Drink

*Christophe Moreno, MD, PhD
CUB Hôpital Erasme
Brussels, Belgium*

11:35 am CON: Liver Transplantation For Alcoholic Hepatitis: A Liver Down The Drain

*James Fung, MD
The University of Hong Kong
Hong Kong, China*

11:55 am PRO: Rebuttals

*Christophe Moreno, MD, PhD
CUB Hôpital Erasme
Brussels, Belgium*

12:05 pm CON: Rebuttals

*James Fung, MD
The University of Hong Kong
Hong Kong, China*

12:15 pm Discussion

Sunday, June 3

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

Should We Continue Prioritizing Kidney-Heart and Kidney-Liver Transplant Candidates Over Kidney-Along 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-Along 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-Along Candidates?

*Stuart Flechner, MD
Cleveland Clinic Foundation
Cleveland, OH, USA*

11:55 am PRO: Rebuttals

*Paige Porrett, MD, PhD
University of Pennsylvania
Philadelphia, PA, USA*

12:05 pm CON: Rebuttals

*Stuart Flechner, MD
Cleveland Clinic Foundation
Cleveland, OH, USA*

12:15 pm Discussion

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

Room 611-614

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

11:15 am PRO: Better Class II Matching Is Critical in Pediatric Renal Transplant Recipients in Light of the High Incidence of Medication Non-Adherence and Subsequent Development of Destructive Donor Specific Antibodies

*Priya Verghese, MD
University of Minnesota
Minneapolis, MN, USA*

11:35 am CON: Even with Improved Medical Management and Dialysis Modalities, Children and Adolescents Must Be Transplanted as Soon as Possible Irrespective of HLA Mismatching

*Walter Andrews, MD
Children's Mercy Hospital
Kansas City, MO, USA*

11:55 am PRO: Rebuttals

*Priya Verghese, MD
University of Minnesota
Minneapolis, MN, USA*

12:05 pm CON: Rebuttals

*Walter Andrews, MD
Children's Mercy Hospital
Kansas City, MO, USA*

12:15 pm Discussion

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Sunday, June 3

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 Guerrero, 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 Arabia, 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

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

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*

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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 Orłowski, 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

Sunday, June 3

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Program, Sunday, June 3, 2018

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*

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

Minghua Zhu, Kannan Samy, Liwen Lin, Jun Wang, Linda Cendales, Allan D. Kirk, Andrew Barbas, Todd V. Brennan. Durham, NC.

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)

Helong Dai, Alicia Watson, Daniel Fantus, Longkai Peng, Angus W. Thomson, Natasha M. Rogers. Pittsburgh; Changsha, China.

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 Allo-Sensitization (Abstract #8)

Furong Zeng, William J. Shufesky, Muqing Yang, Quan Liu, Adriana T. Larregina, Adrian E. Morelli. Pittsburgh, PA.

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)

Toshimasa Nakao, Yoshihiro Ono, Helong Dai, Angelica Perez-Gutierrez, Geoffrey Camirand, Hai Huang, David A. Geller, Angus W. Thomson. Pittsburgh, PA.

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.

AMERICAN TRANSPLANT CONGRESS

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2:54 pm Ultra Low Dose of IL-2 Produces Long-Term Drug-Free Survival of Cynomolgus Islets Allografts (Abstract #14)

Maria Koulmanda, Vaja Chipashvili, Lisa Li, Mike Duggan, Terry B. Strom. Boston, MA.

3:06 pm NFkB Inhibitor Improves Glycemic Control after Syngeneic Islet Transplantation by Suppression of Proinflammatory and Apoptotic Gene Expression in a Cerulein-Induced Pancreatitis Model (Abstract #15)

Gumpei Yoshimatsu, Carly Darden, Kenjiro Kumano, Charles Chang, Prathab Balaji Saravanan, Michael Lawrence, Bashoo Naziruddin. Fukuoka, Japan; Dallas.

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

D. Tremmel, S. Sackett, A. Feeney, R. Maguire, J. Odorico. Madison.

3:30 pm Identification of Exosomal Isletokines Released by Pancreatic Islets in Response to Inflammatory Stress (Abstract #17)

Prathab Balaji Saravanan, Gumpei Yoshimatsu, Rituparna Bhattacharjee, Charles Chang, Carly Darden, Bashoo Naziruddin, Michael Lawrence. Dallas, TX.

3:42 pm Improvement of Metabolic Function after Intra-Portal Allogeneic Islet Transplantation by Induction Treatment of the Non-Hematopoietic Erythropoietin Analogue Cibinetide in a Mouse Model (Abstract #18)

Ming Han Yao, Masaaki Watanabe, Sune Sun, Bo Göran Ericzon, Torbjörn Lundgren, Makiko Kumagai-Braesch. Stockholm, Sweden; Sapporo, Japan.

Kidney Acute Antibody Mediated Rejection

Room Hall 4B

Chairs: Donald Hricik, University Hospital Cleveland Medical Center, Cleveland, OH, USA and Jayme Locke, MD MPH, University of Alabama at Birmingham, Birmingham, AL, USA

2:30 pm Ischemia Reperfusion Injury & Risk for Antibody Mediated Rejection (ABMR) in HLA Sensitized Patients Treated with C1 Esterase Inhibitor (C1INH) (Abstract #19)

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

2:42 pm Anti-Angiotensin II Type 1-Receptor Antibodies (AT1R-Ab) Induce a Specific Phenotype of Rejection Distinct from HLA Antibody-Mediated Rejection (Abstract #20)

Carmen Lefaucheur, Denis Viglietti, Olivier Aubert, Aurélie Philippe, Philip Halloran, Alexandre Loupy, Duska Dragun. Paris, France; Berlin, Germany; Edmonton, Canada.

2:54 pm Five-Year Outcomes after Randomized Treatment by Rituximab in Early Acute Antibody-Mediated Rejection in Renal Transplantation: Long Term Outcomes of the RITUX ERAH Study (Abstract #21)

E. Bailly, G. Blancho, S. Ville, E. Morelon, J. Bamoulid, S. Caillard, V. Chatelet, P. Malvezzi, J. Turrett, V. Vuiblet, D. Anglicheau, D. Bertrand, P. Grimbert, F. Haidar, 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.

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

3:06 pm **The Role of Donor-Derived Cell-Free DNA in Identification of Injury in Kidney Allografts with Antibody-Mediated Rejection and De Novo DSA (Abstract #22)**
Huanxi Zhang, Longshan Liu, Chunting Zheng, Xirui Li, Qian Fu, Jun Li, Qun Su, Huiting Huang, Mingzhi Ye, Changxi Wang. Guangzhou, China.

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

3:30 pm **Donor-Derived Cell-Free DNA Identifies Antibody-Mediated Rejection with Graft Injury in DSA-Positive Kidney Transplant Recipients (Abstract #24)**
Stanley C. Jordan, Suphamai Bunnapradist, 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 **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.

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

2:54 pm **Transplant Hospitals Increase Volumes and Acceptance Rates under the COIIN Project (Abstract #28)**
David Klassen, Henrissa Haskell, Kristen N. Sisaitong, Maureen A. McBride, Robert J. Carrico, Michael Curry. Richmond.

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 Bakthavatsalam, Nicolae Leca, James D. Perkins. Seattle, WA.

3:18 pm **Impact of the New Kidney Allocation System A2/A2B --> B Policy on Access to Transplantation among Minority Candidates (Abstract #30)**
M. N. Mustian, P. N. Martins, P. A. MacLennan, J. A. Ortiz, J. C. Caicedo, S. J. Gray, B. Kelly, C. O. Esquivel, ASTS Diversity Affairs Committee, J. E. Locke. Birmingham; Arlington.

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.

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

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)**
F. Oppenheimer, C. Legendre, J. M. Cruzado, G. Russ, O. Viklicky, R. Oberbauer, V. Garcia, O. Witzke, D. Kuypers, R. Danguilan, P. Bernhardt, C. Sommerer. Barcelona, Spain; Basel, Switzerland.
- 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)**
F. Vincenti, J. Cruzado, S. Mulgaonkar, V. Garcia, D. Kuypers, M. Buchler, F. Citterio, U. Huynh-Do, W.-L. Luo, P. Bernhardt, C. Sommerer. Basel, Switzerland.
- 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)**
S. Mulgaonkar, Y. Qazi, D. Kim, V. Peddi, K. McCague, D. Patel, A. Wiseman. Livingston; East Hanover.
- 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)**
F. Shihab, Y. Qazi, V. R. Peddi, D. Shaffer, D. Kim, K. McCague, D. Patel, S. Mulgaonkar. Salt Lake City; East Hanover.
- 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.

Sunday, June 3

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

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)

Krista Lentine, D. Axelrod, R. D. Bloom, H. Xiao, D. L. Segev, T. A. Alhamad, H. Randall, R. Ouseph, V. R. Dharnidharka, D. C. Brennan, N. N. Lam, A. S. Naik, G. P. Hess, B. L. Kaiske, M. A. Schnitzler. St. Louis; Burlington; Philadelphia; Baltimore; Edmonton, Canada; Ann Arbor; Minneapolis; Conshohocken.

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, Ziphezhinle 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)

Vishnu Potluri, David S. Goldberg, Abt Peter, Blumberg Emily, Bloom Roy, Sawinski Deirdre, Matthew Levine, Jennifer Trofe-Clark, Melissa Bleicher, Simin Goral, Anna Sicilia, Susanna Nazarian, Rajender Reddy, Paige Porrett, Peter P. Reese. Philadelphia, PA.

3:30 pm The Impact of Rituximab Dose on Hepatitis B Virus Reactivation in HBsAg-Negative/anti-HBc-Positive Kidney Transplant Recipients (Abstract #45)

Juhan Lee, Jun Yong Park, Yoon Bin Jung, Deok Gie Kim, Jee Youn Lee, Seung Hwan Song, Jung Jun Lee, Jae Geun Lee, Beom Seok Kim, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Kyu Ha Huh. Seoul, Korea; Seongnam, Korea.

3:42 pm Impacts of HBsAg Seropositive Status on Patient and Graft Survival after Kidney Transplantation in the Era of New Antiviral Therapy: A Meta-Analysis (Abstract #46)

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

Kidney Living Donor: Selection

Room 606/607

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

2:30 pm Potential Living Donors Identified through Social Media (Abstract #47)

Sharon Weeks, Komal Kumar, Jonathan Konel, Elizabeth King, Macey Henderson, Andrew Cameron, Jacqueline Garonzik Wang. Baltimore, MD.

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Program, Sunday, June 3, 2018

- 2:42 pm Landscape of Living Donor Kidney Transplantation with International Donors in the United States (Abstract #48)**
Alvin Thomas, Macey Henderson, Ashton Shaffer, Allan Massie, Brittany Koons, Krista Lentine, Dorry Segev, Fawaz Al Ammary. Baltimore; Villanova; St. Louis.
- 2:54 pm The Altruistic Living Kidney Donor Phenotype - From Inquiry to Donation (Abstract #49)**
V. Kumar, P. MacLennan, M. Bonventre, M. Hanaway, R. Reed, J. Locke. Birmingham.
- 3:06 pm Renal Function, Blood Pressure, and Histologic Changes in Living Kidney Transplant Recipients from Hypertensive Donors (Abstract #50)**
Thomas Dienemann, Jana Schellenberg, Kerstin Amann, Katharina Heller, Alexander Weidemann. Erlangen, Germany.
- 3:18 pm The Impact of Age-Matching on Graft Function and Graft Survival after Living Donor Kidney Transplantation (Abstract #51)**
Jee Youn Lee, Deok Gie Kim, Jae Geun Lee, Juhan Lee, Yoon Bin Jung, Man Ki Ju, Seung Hwan Song, Jung Jun Lee, Kyu Ha Huh, Beom Seok Kim, Soon Il Kim, Yu Seun Kim, Myoung Soo Kim. Seoul, Republic of Korea; Seongnam, Republic of Korea.
- 3:30 pm Estimated GFR at Donor Screening and Achieved Measured GFR after Living Kidney Donation (Abstract #52)**
Marco van Londen, Jessica van der Weijden, Stephan J. L. Bakker, Stefan P. Berger, Jan-Stephan F. Sanders, Gerjan Navis, Martin H. de Borst. Groningen, Netherlands.

- 3:42 pm Factors Related to Suboptimal Recovery of Renal Function after Living Donor Nephrectomy (Abstract #53)**
Sho Nishida, Kohei Kinoshida, Kosuke Tanaka, Yuji Hidaka, Satoshi Hamanoue, Chiaki Kawabata, Mariko Toyoda, Akito Inadome, Soichi Uekihara, Shigeyoshi Yamanaga. Kumamoto, Japan.

Kidney: Pediatrics - 1

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

- 2:30 pm Eplet Mismatches and De Novo Donor Surface Antibody Development in Pediatric Renal Transplant Recipients (Abstract #54)**
Eliza Blanchette, Miranda C. Bradford, Paul Warner, Christopher Blosser, Idoia Gimferrer, Jodi Smith. Seattle.

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

- 2:54 pm Epitope/Eplet Mismatch in Pediatric Renal Transplantation and Development of Donor Specific Antibody (Abstract #56)**
Roshan P. George, Harold C. Sullivan, Rouba Garro, Pamela D. Winterberg, Barry L. Warshaw, Howard M. Gebel, Robert A. Bray. Atlanta, GA.

Sunday, June 3

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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 Puliyaanda, 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 Grots, Maura Rossetti, Qiheng 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)

Michael E. Seifert, Deborah Della Manna, Xiaofen Liu, Frida Rosenblum, Megan Yanik, Eddy Yang, Jennifer Pollock, Roslyn B. Mannon. Birmingham.

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)

L. B. Jeng, S. G. Lee, A. S. Soin, S. Uemoto, D. Maluf, J. Emond, M. Meier, J. Kochuparampil, C. Sips, S. Kaneko, G. Levy. Taichung, Taiwan; Basel, Switzerland; Tokyo, Japan.

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)

Heather Corbo, Neha Patel, Nicole Pilch, Caroline Perez, James Fleming, Tiffany Harrison, Jennifer Hardcopf, Holly Meadows, Bailey O'Brien, John McGillicuddy, Prabhakar Baliga, David Taber. Charleston, SC.

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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. Levenson, 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)

Yingcai Zhang, Jun Zheng, Jianye Cai, Jiebin Zhang, Kaining Zeng, Jia Yao, Yang Yang. Guangzhou, Guangdong, China.

3:42 pm Steroid Sparing Maintenance Immunosuppression is Associated with Decreased Mortality after Simultaneous Liver Kidney Transplantation (Abstract #67)

Sharon Weeks, Xun Luo, Chelsey Song, Lindsey Pote, Ahmet Gurakar, Fizza Navqi, Benjamin Philosophe, Andrew Cameron, Niraj Desai, Shane Ottmann, Dorry Segev, Jacqueline 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, Atsushi Yoshida, Marwan Abouljoud, Dilip Moonka. Detroit, MI.

2:42 pm Opiate Use Trends after Liver Transplantation and the Factors Associated with Post-Transplant Opiate Dependence (Abstract #69)

Mohammad Arsalan Siddiqui, Randeep Kaur, Sudheer Dhoop, Nimisha Sulejmani, Reena Salgia. Detroit, MI.

2:54 pm Higher Early Post-Liver Transplant Mortality in Recipients with Severe Alcoholic Hepatitis versus Alcoholic Cirrhosis (Abstract #70)

Brian P. Lee, G. Im, J. Dodge, M. Voigt, J. Rice, M. Lucey, D. Foley, L. Platt, A. Gurakar, N. Mehta, G. Therapondos, H. Han, D. Victor, O. Fix, L. Dinges, D. Dronamraju, C. Hsu, M. Rinella, H. Maddur, S. Eswaran, J. Hause, R. 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)

Elizabeth C. Verna, Medini K. Annavaajhala, Macesic Nenad, Robert S. Brown, Sean B. Sullivan, Gautam Korakani, Marla J. Gidins, Sabrina Khan, Angela Gomez-Simmonds, Anne-Catrin Uhlemann. New York, NY.

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

Russell E. Rosenblatt, Nicole T. Shen, Zaid H. Tafesh, Brett E. Fortune, Karim J. Halazun, Arun B. Jesudian. New York, NY.

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

Naftali Presser, Joseph DiNorcia, Vatche Agopian, Hasan Yersiz, Douglas Farmer, Ronald Busuttil, Fady Kaldas. Los Angeles, CA.

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.

Sunday, June 3

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

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)**
M. D. Parkes, K. M. Halloran, K. S. Famulski, P. F. Halloran, The INTERLUNG Study Group. Edmonton, Canada.
- 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)**
Monica Fung, John R. Greenland, Steven R. Hays, Jonathan P. Singer, Jeffrey A. Golden, Peter Chin-Hong. San Francisco, CA.
- 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 Knechtle. Durham, NC.

3:42 pm Prospective Trial Using Pulmonary Rehabilitation to Treat Frailty (Abstract #81)

Cassie C. Kennedy, Paul J. Novotny, Elizabeth N. Stevens, Janae Kirsch, James K. Garrett, Nathan K. LeBrasseur, Roberto P. Benzo. Rochester, MN; Gainesville, FL.

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)**
M. Segovia, S. Jafri, B. Summers, T. Schiano, T. Pietrowsky, A. Al-Osaimi, A. Mavis, S. Horslen. Durham; NY; Detroit; Seattle; Philadelphia.

AMERICAN TRANSPLANT CONGRESS

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3:06 pm CD8⁺ Tissue Resident Memory T Cells Are Key Effector Cells in Intestinal Transplantation Patients with GvHD (Abstract #85)

Oswaldo Aguirre, Brenna Houlihan, Abdullah Karabala, Raffaele Girlanda, Jason Hawksworth, Cal Matsumoto, Michael Zasloff, Thomas Fishbein, Alexander Kroemer. Washington, DC.

3:18 pm Development of a Novel Assay System for Ex Vivo T-Cell Mediated Rejection Responses in Intestinal Grafts (Abstract #86)

Shinji Okano, Kareem Abu-Elmagd, Danielle D. Kish, Karen Keslar, Masato Fujiki, Guilherme 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)

H. K. Grewal, M. M. Czech, C. Matsumoto, M. Natarajan, J. H. Fraker, W. Fan, J. G. Timpone. Washington DC.

3:42 pm Comparison of Induction and Maintenance Immunosuppression Regimens in Intestinal and Multivisceral Transplantation: An Analysis of the UNOS Registry (Abstract #88)

Shunji Nagai, Michael Rizzari, Yakir Muszkat, Kelly Collins, Atsushi Yoshida, Syed-Mohammad Jafri, Marwan Abouljoud. Detroit, MI.

Xenotransplantation

Room 602/603/604

Chairs: Monica Grafals, MD, MPH, University of Colorado, Aurora, CO, USA and Jeseeph 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, Billea 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.

Sunday, June 3

AMERICAN TRANSPLANT CONGRESS

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3:18 pm Islet Xenotransplantation: A Quest for Clinically Available Immunosuppression Regimens (Abstract #93)
Qimeng Gao, Robert P. Davis, Michael S. Mulvihill, Mingqing Song, Francis Leopardi, Mariana Ribeiro, Tam How, Gayathri R. Devi, Bradley H. Collins, Allan D. Kirk. Durham, NC.

3:30 pm Genetically Modified Porcine Erythrocytes: A Cell Model for Studying Human Preformed Antibody-Dependent Xenimmune Responses *In Vitro* (Abstract #94)
Zheng-Yu Wang, Gregory R. Martens, Joseph M. Ladowski, Matthew F. Tector, A. Joseph Tector. Birmingham, AL.

3:42 pm Selection and Stratification of Anti-HLA-A and HLA-B Sensitized Patients in Pig-to-Human Xenotransplantation (Abstract #95)
Gregory Martens, Joseph Ladowski, James R. Butler, Luz Reyes, Matt Tector, A. Joseph Tector. Birmingham, AL; Indianapolis, IN.

Student Program

2:30 pm – 5:30 pm

The Science, The Art, And The Allure of Transplantation

Room 618-620

Moderators: Dorry Segev, MD, PhD, Johns Hopkins University, Baltimore, MD, USA and Devin Eckhoff, MD, University of Alabama at Birmingham, Birmingham, AL, USA

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

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

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

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

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

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

Featured Multidisciplinary Transplant Professionals Symposium I

2:30 pm – 6:00 pm

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

Room 611-614

Moderators: Maya Campara, PharmD, UIC, Chicago, IL, USA and Drew Silverman, PharmD, Tampa General, Tampa, FL, USA and Joshua Wiegel, PharmD, BCPS, UW Health, Madison, WI, USA

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

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

3:30 pm Assessing and Managing Pre-Transplant Non-Adherence
Rondi Wightman, MSW, LCSW, CADC
Indiana University Northwest
Gary, IN, USA

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

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

Sunday, June 3

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

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

Health Literacy

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?

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Mount Sinai Hospital
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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

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 Boddada, 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 Tchkonja, James Kirkland, Abdallah Elkhal, Stefan G. Tullius. Boston, MA; Boston; Rochester, MN.

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

Sunday, June 3

5:18 pm Graft Dendritic Cell p40 Homodimers Activate Donor-Reactive Endogenous Memory CD8 T Cells within Higher Risk Allografts (Abstract #100)

Hidetoshi Tsuda, Anna Valujskikh, Robert Fairchild. Cleveland, OH.

5:30 pm VLA-4 Blockade Inhibits Early Endogenous Memory CD8 T Cell Infiltration into Higher Risk Cardiac Allografts and Donor-Reactive T Cell Priming (Abstract #101)

Satoshi Miyairi, Shoichi Iida, Hidetoshi Tsuda, William M. Baldwin III, Kazunari Tanabe, Robert L. Fairchild. Cleveland, OH; Shinjuku, Tokyo, Japan.

5:42 pm Hematopoietic Cell Kinase (Hck) Regulates Effector and Regulatory T Cell (Treg) Function (Abstract #102)

Samira S. Farouk, Chengguo Wei, Bhaskar Das, Paolo Cravedi, Barbara T. Murphy. New York, NY.

Kidney Complications: Disease Recurrence

Room Hall 4B

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

4:30 pm Recurrent FSGS Post-Transplantation: Prevalence and Risk Factors (Abstract #103)

Rute Aguiar, Alessandro Gasparini, Paramit Chowdhury, David Game, Dimitrios Moutzouris. London, United Kingdom; Leicester, United Kingdom.

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

Rute Aguiar. London, United Kingdom.

4:54 pm Recurrence of Immunoglobulin A Nephropathy in Related Donor Kidney Transplant Recipients (Abstract #105)

Masayoshi Okumi, Daigo Okada, Kohei Unagami, Yoichi Kakuta, Hiroki Shirakawa, Tomokazu Shimizu, Kazuya Omoto, Hideki Ishida, Kazunari Tanabe. Tokyo, Japan; Saitama, Japan.

5:06 pm IgA Recurrence in a Single Center with a Protocol Biopsy Program (Abstract #106)

Massini A. Merzkani, Nicola Lepori, Mireille El Ters, Fernando G. Cosio, Hatem Amer. Rochester, MN.

5:18 pm Treatment Outcomes of Recurrent Primary Focal Segmental Glomerulosclerosis (FSGS) after Kidney Transplantation (Abstract #107)

Rute Aguiar, Fernando Pereira, Alessandro Gasparini, Paramit Chowdhury, David Game, Dimitrios Moutzouris. London, United Kingdom; Lisbon, Portugal; Leicester, United Kingdom.

5:30 pm Redo Kidney Transplant in FSGS (Abstract #108)

Jennifer Verbese, Ayesha Javaid, Soo Youn Yi, Gayle Vranic, Alexander Gilbert, Peter Abrams, Seyed Ghasemian, Jack Moore, Beje Thomas, Matthew Cooper, Basit Javaid. Washington, DC.

5:42 pm Thirty-Six Consecutive Kidney Transplants in Recipients with Atypical Hemolytic Uremic Syndrome: A Single-Centre Experience (Abstract #109)

Evaldo Favi, Gianluigi Ardissino, Donata Cresseri, Jessica Brocca, Sara Testa, Francesca Tel, Antenore Giussani, Caterina Colico, Claudio Beretta, Mariano Ferraresso. Milan, Italy.

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

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)**

David Goldberg, Emily Blumberg, Peter Abt, Matthew Levine, Paige Porrett, Ali Naji, Susanna Nazarian, Deirdre Sawinski, Jennifer Trofe-Clark, Vivianna Van Deerlin, Caren Gentile, Jennifer Smith, Mary Kaminski, Anna Sicilia, Richard Hasz, Lawrence Suplee, Rajender Reddy, Roy Bloom, Peter Reese. Philadelphia.

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

A. Dao, M. C. Cuffy, T. E. Kaiser, A. A. Loethen, J. Cafardi, A. R. Shields, M. Cardi, RR Alloway, A. Govil, K. Sherman, S. A. Shah, E. S. Woodle. Cincinnati, OH.

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)**

Martha Pavlakis, Marian Michaels, Susan Tlusty, Nicole Turgeon, Gabe Vece, Cameron Wolfe, R. Patrick Wood, Michael Nalesnik. RCC Work Group.

5:06 pm **The Benefit of Higher KDPI Renal Transplantation over Waiting for a Better Offer (Abstract #113)**

Elliot Grodstein, Jinyan Yang, Vinay Nair, Ernesto Molmenti, Lewis Teperman. Manhasset, NY.

5:18 pm **Outcomes of DCD Renal Transplantation from Donors with Acute Kidney Injury (Abstract #114)**

Elliot Grodstein, Jinyan Yang, Vinay Nair, Lewis Teperman. Manhasset, NY.

5:30 pm **Outcomes Analysis of Liver Transplantation Combined with Neoadjuvant Therapy in Patients with Unresectable Locally-Advanced Cholangiocarcinoma (Abstract #115)**

Melissa Wong, Joohyun Kim, Calvin Eriksen, Terra Pearson, Jared Robbins, Ben George, Michael A. Zimmerman, Johnny C. Hong. Milwaukee, WI.

5:42 pm **Determining the Relative Immunogenicity of HLA Mismatches with Calcineurin Inhibitor Immunosuppression: An Analysis of the BENEFIT and BENEFIT-EXT Renal Transplant Cohort (Abstract #116)**

Vadim Jucaud, Mustimbo Roberts, Howard M. Gebel, Robert A. Bray, Matthew J. Everly. Los Angeles, CA; Princeton, NJ; Atlanta, GA.

Kidney Immunosuppression: Co-Stimulation Based Regimens

Room 6C

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

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

J. Furuzawa-Carballeda, N. O. Uribe-Urbe, G. Mondragon-Ramirez, J. M. Arreola-Guerra, R. Reyes-Acevedo, M. Vilatoba, R. Chavez-Fernandez, F. Lopez-Verdugo, A. Lopez-Toledo, G. Mondragon-Salgado, J. Alberu. Mexico City, Mexico; Cuernavaca, Mexico; Aguascalientes, Mexico.

4:42 pm **The BEST Trial: A Prospective Randomized Multicenter Trial of Belatacept-Based CNI- and Corticosteroid-Free Immunosuppression (Abstract #118)**

E. S. Woodle, D. B. Kaufman, A. R. Shields, J. P. Leone, A. Wiseman, A. J. Matas, P. West-Thielke, E. King, R. R. Alloway. Cincinnati; Madison; Tampa; Denver; Minneapolis; Chicago.

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

- 4:54 pm Clinical Outcomes of Conversion from Calcineurin Inhibitor to Belatacept-Based Immunosuppression in Highly Sensitized Kidney Transplant Recipients (Abstract #119)**
S. Sethi, J. Choi, A. Vo, A. Peng, K. Lim, R. Najjar, S. Jordan, E. Huang. Los Angeles.
- 5:06 pm Belatacept Maintenance Immunosuppression Use and Outcomes in the Real-World Clinical Setting Using OPTN/UNOS Kidney Transplant Registry (Abstract #120)**
S. Sanoff, K. Ravindra, W. Irish. Durham, NC; Raleigh, NC.
- 5:18 pm Belatacept in Kidney Transplant Recipients with Preformed Donor Specific Anti-HLA Antibodies: Results of the BELACOR Trial (Abstract #121)**
Claire Leibler, Florence Canoui, Marie Maignon, Eric Rondeau, Anissa Zarour, Antoine Durrbach, Stéphanie Malard, Philippe Grimbert. Creteil, France; Paris, France; Le Kremlin Bicêtre, France.
- 5:30 pm Tissue Talks: Graft's Histological Findings 10 Years after Belatacept or CNI (Abstract #122)**
G. A. Mondragon-Ramirez, N. O. Uribe-Urbe, 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.
- 5:42 pm Precision Medicine for Determining the Efficacy of a Novel Belatacept Regimen (Abstract #123)**
Jun Shoji, Joey C. Y. Leung, Erica Tavares, Qizhi Tang, Flavio Vincenti. San Francisco, CA.

Kidney Psychosocial - 1

Room 210

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

- 4:30 pm Cannabis Dependence or Abuse before and after Kidney Transplantation: Implications for Post-Transplant Outcomes (Abstract #124)**
Krista L. Lentine, Tarek Alhamad, Ngan Lam, Abjhit S. Naik, Farrukh M. Korashy, Henry Randall, Dorry L. Segev, Vikas R. Dharnidharka, Daniel C. Brennan, Bertram L. Kasiske, Rosemary Ouseph, Mark A. Schnitzler. St. Louis; Edmonton, Canada; Ann Arbor; Baltimore; Minneapolis.
- 4:42 pm Marijuana Use Should Not Preclude Consideration for Kidney Transplantation (Abstract #125)**
Kassandra Fabbri, Tracy Anderson-Haag, Anne Spenningsby, Ajay Israni, Rachel Nygaard, Paul Stahler. Minneapolis, MN.
- 4:54 pm Outcome Implications of Benzodiazepines and Opioid Co-Prescriptions before Kidney Transplantation (Abstract #126)**
Ngan N. Lam, Mark A. Schnitzler, David Axelrod, Vikas Dharnidharka, Dorry L. Segev, Abhijit S. Naik, Huiling Xiao, Rosemary Ouseph, Henry Randall, Greg P. Hess, Bert L. Kasiske, Daniel C. Brennan, Tarek Alhamad, Krista Lentine. Edmonton, Canada; St. Louis; Burlington; Baltimore; Ann Arbor; Minneapolis; Conshohocken.
- 5:06 pm Risk Factors for Chronic Opioid Use after Kidney Transplantation (Abstract #127)**
James Fleming, David Taber, R. Gilbert, L. Wilson, Z. Elmaasarani, B. O'Brien, Neha Patel, Nicole Pilch, S. Ball, P. Mauldin, Prabhakar Baliga. Charleston, SC.

Sunday, June 3

AMERICAN TRANSPLANT CONGRESS

Program, Sunday, June 3, 2018

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)

Afsaneh Raissi, Nathaniel Edwards, Yu-Ying Liao, Dmitri Belenko, Navneet Singh, Maroof Khalid, Deanna Toews, Istvan Mucsi. Toronto, ON, Canada.

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.

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

Jung A. Yoon, Chung Hee Baek, Su-Kil Park, Hyosang Kim. Seoul, Republic of Korea.

5:06 pm Kidney Transplant Patients with Polycystic Kidney Disease Have a Lower Risk of Post-Transplant BK Infection Compared to Other Causes of ESRD (Abstract #134)

Sarah E. Panzer, Callie Plafkin, Brad C. Astor, Arjang Djamali, Tripti Singh. Madison, WI.

5:18 pm Ciprofloxacin for BK Viremia Prophylaxis in Kidney Transplant Recipients: Results of a Prospective, Randomized Controlled Trial (Abstract #135)

Samir J. Patel, Samantha A. Kuten, Richard J. Knight, Joy V. Nolte, Duc T. Nguyen, Edward A. Graviss, Linda W. Moore, Isioma Agboli, Christine Pham, A. Osama Gaber. Houston, TX.

5:30 pm Aggressive Immunosuppression Minimization Shortens BK Viremia, Does Not Improve Outcome, but Increases the Risk of De Novo Donor Specific Antibodies in Kidney Recipients (Abstract #136)

Arnaud Devresse, Claire Tinel, Agathe Vermorel, Renaud Snanoudj, Lise Morin, Véronique Avettand-Fenoel, Lucile Amrouche, Anne Scemla, Julien Zuber, Christophe Legendre, Marion Rabant, Dany Anglicheau. Paris, France; Brussels, Belgium.

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

O. Beaird, K. Phonphok, S. Chandrasekaran, O. Garner, S. Bunnapradist, J. Schaenman. Los Angeles, CA.

AMERICAN TRANSPLANT CONGRESS
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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)

David Taber, N. Pilch, Z. Su, C. Mardis, J. Fleming, N. Patel, H. Meadows, P. Mauldin, V. Rao, D. Dubay. Charleston, SC.

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)

A. W. Gomes-Neto, R. M. Douwes, M. F. Eisenga, S. P. Berger, R. O. B. Gans, E. vd. Berg, G. J. Navis, H. Blokzijl, S. J. Bakker. Groningen, Netherlands.

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

F. M. Koraihy, L. S. Vest, Z. Zhang, M. A. Schnitzler, V. R. Dharnidharka, D. Axelrod, R. Ouseph, A. S. Naik, N. N. Lam, H. Randall, T. A. Alhamad, D. L. Segev, D. C. Brennan, B. L. Kasiske, G. P. Hess, Krista Lentine. St. Louis; Burlington; Ann Arbor; Edmonton; Baltimore; Minneapolis; Conshohocken.

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

John Lee, Matthew Magruder, Lisa Zhang, Darshana Dadhania, Michael Satlin, Lars Westblade, Amy Robertson, Ying Taur, Lilan Ling, Eric Pamer, Manikkam Suthanthiran. New York, NY.

5:18 pm ACEI/ARB Use within One Year of Kidney Transplant is Associated with Less AKI and Graft Loss in Older Recipients (Abstract #142)

Maria Aurora Posadas Salas, Rafael Rodriguez, Prince Amaechi, Vinaya Rao, David Taber. Charleston, SC.

5:30 pm Secular Trends in the Medical Complexity and Outcomes of Medicare-Insured Patients Undergoing Kidney Transplant (Abstract #143)

Colin R. Lenihan, Sai Liu, Maria E. Montez-Rath, Wolfgang C. Winkelmayr. Palo Alto, CA; Houston, TX.

5:42 pm Impact of Elevated PSA, and Prostate Cancer in ESRD on Time to Transplant, and Survival (Abstract #144)

Nagaraju Sarabu, Nicholas Schiltz, Donald E. Hricik. Cleveland, OH.

Liver - Kidney Issues in Liver Transplantation

Room 6B

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

4:30 pm Delayed Graft Function in Simultaneous Liver Kidney Transplantation (Abstract #145)

Sharon Weeks, Xun Luo, Shane Ottmann, Ahmet Gurakar, Fizza Naqvi, Benjamin Philosophe, Andrew Cameron, Niraj Desai, Dorry Segev, Jacqueline Garonzik Wang. Baltimore, MD.

4:42 pm A Medical Decision Analysis for the Use of Donation after Cardiac Death Donors for Simultaneous Liver-Kidney Transplant (Abstract #146)

Amanda Miller, Karthik Tennankore, Bryce Kiberd. Halifax, NS, Canada.

4:54 pm Disparate Candidate Selection Practices and Substantial Use of Low KDPI Kidneys in Combined Heart-Kidney and Liver-Kidney Transplantation, 2012-2016 (Abstract #147)

Robert Steiner, Jeffery Halldorson. San Diego, CA.

Sunday, June 3

AMERICAN TRANSPLANT CONGRESS

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- 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. Jadowiec, 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 Muiesan. 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.
- Non-Organ Specific: Disparities to Outcome and Access to Healthcare**
Room 4C-4
Chairs: Jagbir Gill, MS MPH, University of British Columbia, West Vancouver, BC, Canada and Jesse Schold, Cleveland Clinic, Cleveland, OH, USA
- 4:30 pm Discard and Post-Transplant Outcomes Associated with Organs Donated after Drug-Overdose Death (Abstract #152)**
Mary Bowring, Christine Durand, Lauren Kucirka, Alvin Thomas, Allan Massie, Mark Sulkowski, Andrew Cameron, Niraj Desai, Dorry Segev. Baltimore.
- 4:42 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)**
John D. Peipert, Jennifer L. Beaumont, Mark Robbins, Andrea Paiva, Crystal Anderson, Amy D. Waterman. Los Angeles, CA; Kingston, RI.
- 5:30 pm Race, Income, and Insurance Status Predict Migration for Liver Transplantation in the United States (Abstract #157)**
Allison J. Kwong, Ajitha Mannalithara, W. Ray Kim. Stanford, CA.
- 5:42 pm The Impact of Early versus Late Clinical Outcomes on Disparities in African-American Kidney Transplant Recipients (Abstract #158)**
David Taber, J. Fleming, Z. Su, P. Mauldin, J. McGillicuddy, S. Nadig, V. Rohan, P. Baliga, D. Dubay. Charleston, SC.

AMERICAN TRANSPLANT CONGRESS

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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)**
Brian Ezekian, Jean Kwun, Miriam Manook, Paul M. Schroder, Janghoon Yoon, Michael S. Mulvihill, Kyle Freischlag, Jae Berm Park, Joshua Cochran, Kayla Kroning, John S. Yi, Stuart J. Knechtle. Durham, NC.
- 4:54 pm Approaches to Prevention of Antibody Rebound after HLA Sensitization in a Mouse Model (Abstract #161)**
Irene Kim, Gordon Wu, Ning-ning Chai, Andrew Klein, Stanley Jordan. Los Angeles, CA.
- 5:06 pm Prolonged Graft Survival in Old Recipients is Abrogated by Immunosuppressive Treatment with CTLA4-Ig (Abstract #162)**
Timm Heinbokel, Markus Quante, Karoline Edtinger, Koichiro Minami, Yeqi Nian, Ashley Lau, Abdallah Elkhail, 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)**
Chih-Hsien Cheng, Chen-Fang Lee, Georg J. Furtmüller, Byoungchol Oh, Chirag Patel, Ying-Chun Lo, Madeline Fryer, Gerald Brandacher, Jonathan D. Powell. Baltimore, MD; New Taipei City, Taiwan.

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

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

The Guest That NEVER Leaves: Immunologic Challenges in Heart Transplantation

Room 4C-3

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

- 4:30 pm Comparing Outcomes between Induction Immunosuppressive Therapies in Simultaneous Heart/Kidney Transplantation (Abstract #166)**
Irfan Moinuddin, Jonathan W. Yu, Le Kang, Chandra S. Bhati, Dipankar Bandyopadhyay, Anne L. King, Dhiren Kumar, Layla Kamal, Daniel L. Tang, Idris Yakubu, Gaurav Gupta. Richmond.
- 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.

Sunday, June 3

AMERICAN TRANSPLANT CONGRESS
Program, Sunday, June 3, 2018

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)**
Matt Rafiei, Jignesh Patel, Evan Kransdorf, Ryan Levine, Sadia Dimbil, Savannah Mersola, Gabriel Esmailian, Dael Geft, David Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles, CA.

5:18 pm **T Cell-Mediated Rejection Poses Greater Risk to Graft Survival Than Antibody-Mediated Rejection in Heart Transplants (Abstract #170)**
M. D. Parkes, K. S. Famulski, P. F. Halloran, The INTERHEART Study Group. Edmonton, Canada.

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

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

Poster Session B – Presenters in Attendance

Hall 4EF

Poster Viewing: 6:00 pm - 7:00 pm
Presenters in Attendance: 6:00 pm - 7:00 pm

Poster Session B can be found on pages 159-190.

ASTS Town Hall and Reception

5:45 pm -7:00 pm

Room 2AB

AMERICAN TRANSPLANT CONGRESS

Day-at-a-Glance, Monday, June 4, 2018

7:00 am – 8:15 am	Sunrise Interactive		
<i>Page 50</i>	Debates in Heart Transplantation <i>Room 618-620</i>	<i>Page 53</i>	Unconventional Pathways in Transplant Rejection <i>Room 6E</i>
<i>Page 50</i>	The Art of a Successful Lung Transplant <i>Room 4C-3</i>	<i>Page 53</i>	Impact of Aging on Graft Immunogenicity and Injury <i>Room 611-614</i>
<i>Page 50</i>	Challenges in ICU Management of Critically Ill Patients with ESLD <i>Room 608-609</i>	8:30 am – 9:15 am	Plenary Session
<i>Page 50</i>	How to Effectively Use the Good Livers with Bad Stories <i>Room 602-604</i>	<i>Page 53</i>	Plenary Session II <i>Room Hall 4B</i>
<i>Page 51</i>	Should I Accept this Donor? When to call your ID Friends at 2 AM - A Case-Based Panel <i>Room 6B</i>	9:15 am – 9:45 am	ASTS Presidential Address
<i>Page 51</i>	Non-Directed Living Donors - A Debate <i>Room 6C</i>	<i>Page 53</i>	<i>Room Hall 4B</i>
<i>Page 51</i>	Clinical Practice, Teaching, AND Research — Oh My! Tools to Ease the Transition to a New Pharmacist Position <i>Room 606-607</i>	9:45 am – 10:15 am	AST Presidential Address
<i>Page 52</i>	I Get by with a Little Help from My Friends: Multispecialty Evaluation of the Pediatric Solid Organ Transplant Candidate <i>Room 4C-4</i>	<i>Page 53</i>	<i>Room Hall 4B</i>
7:00 am – 8:15 am	Sunrise Didactic	10:15 am – 10:45 am	State-of-the-Art Speaker
<i>Page 52</i>	Variability of Organ Utilization by DSA: Analysis of Issues Including OPO Recovery Factors, Transplant Program Behaviors and Regulatory Influences <i>Room 6A</i>	<i>Page 54</i>	VCA: Past, Present, and Future <i>Room Hall 4B</i>
<i>Page 52</i>	Endemic Infections or Zebras? Perspectives in SOT <i>Room 615-617</i>	10:45 am – 11:15 am	Coffee Break <i>Exhibit Hall</i>
		11:15 am – 12:45 am	Midday Didactic
		<i>Page 54</i>	Complicated Complications Complicate the Use of Mechanical Circulatory Support <i>Room 4C-3</i>
		<i>Page 54</i>	Living Donor Liver Transplant: Inflow, Outflow, How Low Can We Go <i>Room 618-620</i>
		<i>Page 54</i>	Liver Transplantation in Challenging Cases: A bridge too far? <i>Room 6B</i>
		<i>Page 55</i>	Viral Infections: State-of-the-Art Prevention <i>Room Hall B</i>

Monday, June 4

AMERICAN TRANSPLANT CONGRESS

Day-at-a-Glance, Monday, June 4, 2018

<i>Page 55</i>	Bench to Bedside- Overcoming Sensitization and Donor Antibodies <i>Room 6E</i>	1:00 pm – 2:15 pm	Luncheon Workshops
		<i>Page 57</i>	Ticketed Events
<i>Page 55</i>	New Updates on T Cell Dysfunction/Exhaustion <i>Room 608-609</i>	<i>Page 57</i>	Optimized Islet Isolation Techniques for Improving Outcomes of Islet Auto-Transplantation <i>Room 205</i>
<i>Page 55</i>	Emerging Role of Nanotechnology in Transplantation <i>Room 606-607</i>	<i>Page 57</i>	Prevention and Management of Long-term Viral Infections <i>Room 310</i>
<i>Page 56</i>	KPD Innovation <i>Room 6A</i>	<i>Page 57</i>	Luncheon Workshop: Looking Under the Hood of High Impact Research: From Idea to AJT Publication <i>Room 204</i>
<i>Page 56</i>	Program Quality Assessment <i>Room 615-617</i>		
<i>Page 56</i>	Medication Management through Transplanted Women’s Life Stages <i>Room 611-614</i>	1:00 pm – 2:15 pm	Featured Multidisciplinary Transplant Professionals Symposium II
<i>Page 56</i>	Liver Transplantation for Metabolic Disease <i>Room 602-604</i>	<i>Page 70</i>	The Legal and Pseudo-Legal: Navigating Substance Use and Abuse in Transplantation- Part 1 <i>Room 611-614</i>
<i>Page 57</i>	The Economic Consequence of our Actions and Inactions <i>Room 6C</i>	<i>Page 70</i>	The Legal and Pseudo-Legal: Navigating Substance Use and Abuse in Transplantation - Part 2 <i>Room 611-614</i>
1:00 pm – 2:15 pm	Satellite Symposia Located in the Sheraton Seattle Hotel	2:30 pm – 4:00 pm	Concurrent Oral Abstract Sessions
Supported by Shire and Merck	<i>Page 57</i> <i>Grand Ballroom A-C, Second Level</i>	<i>Page 58</i>	B-cell / Antibody <i>Room 615/616/617</i>
Supported by Transplant Genomics	<i>Page 57</i> <i>Grand Ballroom D, Second Level</i>	<i>Page 58</i>	CMV: Bench to Bedside <i>Room 608/609</i>
Supported by Novartis	<i>Page 57</i> <i>Metropolitan Ballroom A/B, Third Level</i>	<i>Page 59</i>	IRI Acute Injury: Basic <i>Room 618/619/620</i>
		<i>Page 60</i>	Ischemia Reperfusion Injury: Time to Change the Paradigm? <i>Room 6B</i>
		<i>Page 61</i>	Kidney Chronic Antibody Mediated Rejection <i>Room 4B</i>

AMERICAN TRANSPLANT CONGRESS

Day-at-a-Glance, Monday, June 4, 2018

Page 62	Kidney Immunosuppression: Induction Therapy Room 6C	Page 74	Kidney Complications: Late Graft Failure Room 6E
Page 62	Kidney Living Donation: Donor and Recipient Outcomes Room 6E	Page 74	Kidney Immunosuppression: Desensitization Room 4B
Page 63	Kidney Psychosocial - 2 Room 210	Page 75	Kidney Living Donor: Long Term Outcomes Room 6A
Page 64	Kidney: Pediatrics - 2 Room 3AB	Page 76	Kidney: Cardiovascular and Metabolic - 2 Room 303
Page 65	Liver Replantation and Other Complications Room 6A	Page 76	Kidney: Surgical Considerations Room 210
Page 65	Liver: Viral Hepatitis Room 602/603/604	Page 77	Liver: MELD, Allocation and Donor Issues - 1 Room 6B
Page 66	Location, Location, Allocation in Heart Transplantation Room 4C-3	Page 78	Liver: Pediatrics Room 608/609
Page 67	Novel Regulatory Pathways in Tolerance Room 606/607	Page 78	Non-Organ Specific: Economics, Public Policy, Allocation, Ethics - 1 Room 4C-4
Page 67	PTLD/Malignancies: All Topics Room 4C-4	Page 79	Pancreas and Islet - 1 Room 4C-3
Page 68	Surgical Issues (Open, Minimally Invasive): All Organs Room 2AB	Page 80	Psychosocial and Treatment Adherence Room 310
Page 69	VCA Room 303	Page 80	Regulatory Issues Room 3AB
4:30 pm – 6:00 pm	Concurrent Oral Abstract Sessions	Page 81	Strategies to Promote Transplant Tolerance Room 606/607
Page 71	Addressing Re-Emerging Infectious Challenges to Transplantation Room 602/603/604	5:45 pm – 7:00 pm	AST Town Hall & Reception
Page 72	Endothelial Cell Biology Room 615/616/617	Page 81	Room 2AB
Page 72	Innate Immunity; Chemokines, Cytokines, Complement Room 618/619/620	6:00 pm – 7:00 pm	Poster Session C
Page 73	Kidney Complications: Diagnostic Considerations Room 6C	Presenters in Attendance Hall 4EF	

Monday, June 4

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

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

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

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*

Monday, June 4

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

7:50 am **Tools to Build and Advance Your Career**

*Mike Shullo, PharmD
University of Pittsburgh
Pittsburgh, PA, USA*

8:00 am **Discussion**

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

Room 4C-4

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

7:00 am **What the Pediatric Transplant Hepatologist Needs to Know**

*Evelyn Hsu, MD
Seattle Children's Hospital
Seattle, WA, USA*

7:15 am **What the Pediatric Transplant Nephrologist Needs to Know**

*Andre Dick, MD, MPH
Seattle Children's Hospital
Seattle, WA, USA*

7:30 am **What the Pediatric Transplant Cardiologist Needs to Know**

*Kevin Daly, MD
Boston Children's Hospital
Boston, MA, USA*

7:45 am **What the Pediatric Transplant Pulmonologist Needs to Know**

*Stuart Sweet, MD, PhD
Washington University
Saint Louis, MO, USA*

8:00 am **Discussion**

Sunrise Didactic

7:00 am – 8:15 am

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

Room 6A

Moderators: Kevin Cmnt, 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*

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

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)

Branislav Kollar, Audrey Uffing, Thet Su Win, Sotirios Tasigiorgos, Bohdan Pomahac, Francisco J. Quintana, Leonardo V. Riella. Boston, MA.

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)

Liqing Wang, Zhonglin Wang, Rongxiang Han, Guanghui Ge, L. Scott Levin, Matthew H. Levine, Wayne W. Hancock. Philadelphia.

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

C. Durand, M. Bowring, A. Tobian, D. Brown, N. Desai, S. Bagnasco, D. Ostrander, A. Redd, S. Huprikar, B. Haydel, S. Lerner, S. Florman, S. Chandran, A. Chao, J. Locke, S. Mehta, R. Freidman, N. Turgeon, A. Massie, D. Segev. Baltimore, MD; New York, NY; San Francisco, CA; Birmingham; Atlanta.

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

Monday, June 4

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

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

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

11:51 am Case Presentation –Intra and Postoperative Management of Severe Portopulmonary Hypertension
Sherif Kandil, MD
University of Southern California
Glendale, CA, USA

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

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

Viral Infections: State-of-the-Art Prevention

Hall B

Moderators: Michael Green, MD, MPH, Children’s Hospital of Pittsburgh, Pittsburgh, PA, USA and Joanna Schaeffer, 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 Dharnidharka, 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

11:45 am Translational
Stuart Knechtle, MD
Duke University
Durham, NC, USA

12:15 pm Clinical
Stanley Jordan, MD
Cedars Sinai Medical Center
West Hollywood, CA, USA

New Updates on T Cell Dysfunction/Exhaustion

Room 608-609

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

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

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

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

Emerging Role of Nanotechnology in Transplantation

Room 606-607

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

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

11:45 am Anti-PEG Antibodies: Current issues and beyond PEGylation
Shaoyi Jiang, MD
University of Washington
Seattle, WA, USA

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AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

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*

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*

Medication Management through Transplanted Women's Life Stages

Room 611-614

Moderators: Michael Moritz, MD, Lehigh Valley Hospital, Allentown, PA, USA and Nicole Sifontis, PharmD, Temple University School of Pharmacy, Philadelphia, PA, USA

11:15 am Beyond CNIs and Prednisone: Unique Immunosuppression in Pregnant Transplant Recipients

*Christina Doligalski, PharmD, BCPS, CPP
University of North Carolina Health System
Chapel Hill, NC, USA*

11:45 am Got Milk? Lactation Considerations in Transplant Recipients

*Jillian Casale, PharmD, BCPS
University of Maryland Medical Center
Baltimore, MD, USA*

12:15 pm It's Hot in Here - Menopause and Hormonal Management Post Transplant

*Carla Brady, MD, MHS
Duke University Medical Center
Durham, NC, USA*

Liver Transplantation for Metabolic Disease

Room 602-604

Moderators: Srinath Chinnakotla, MD, MBA, University of Minnesota Medical School, Minneapolis, MN, USA and Michael Ishitani, MD, Mayo Clinic, Rochester, MN, USA

11:15 am Liver Transplantation for OTC

*Janis Stoll, MD
Washington University School of Medicine
St. Louis, MO, USA*

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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 Schaeenman, 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*

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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

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 Sirota, Minnie M. Sarwal. SF; Stanford.

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.

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

Kang Mi Lee, Kevin Deng, Lisa Kojima, Chen Dai, Charles Rickert, Heidi Yeh, James Markmann. Boston.

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. Sukhwil, 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.

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- 2:42 pm** **CMV-Specific Cell-Mediated Immunity after Valgancyclovir Prophylaxis Predicts Late Onset CMV Infection in Kidney Transplant Patients (Abstract #184)**
Marta Jarque, Elena Crespo, Edoardo Melilli, Anna Manonelles, Nuria Montero, Sergi Luque, Josep M. Cruzado, Josep M. Grinyo, Oriol Bestard. Barcelona, Spain.
- 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.
- 3:42 pm** **CMV Mismatch Still Negatively Affects Patient and Graft Survival in the Era of CMV Prophylactic and Preemptive Therapy: A Paired Kidney Analysis (Abstract #189)**
Napat Leeaphorn, Neetika Garg, Natanong Thamcharoen, Eliyahu Khankin, Francesca Cardarelli, Martha Pavlakis. Boston, MA; Madison, WI.
- IRI Acute Injury: Basic**
Room 618/619/620
Chairs: David Foley, M.D., University of Wisconsin School of Medicine and Public Health, Madison, WI, USA and Peter Heeger, Icahn School of Medicine at Mount Sinai, New York, NY, USA
- 2:30 pm** **Improving DCD Livers Graft Function Using CD47 Blockade in the Setting of Normothermic Liver Perfusion (Abstract #190)**
Sandra Garcia-Aroz, Min Xu, Xuanchuan Wang, Joshua Hollingshead, Adeel Khan, Babak Banan, Liang Kang, Zhengyan Zhang, Gundumi Upadhyaya, Yiing Lin, Pamela Manning, William Chapman. St. Louis.
- 2:42 pm** **Extra-Renal Effects of Estrogen Receptor-Alpha Mediate Protection from Renal Ischemia-Reperfusion Injury (Abstract #191)**
David D. Aufhauser, Douglas Murken, Seth J. Concors, Zhonglin Wang, Guanghui Ge, Trica Bhatti, Wayne W. Hancock, Matthew H. Levine. Philadelphia, PA.

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- 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.
- 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.
- 3:06 pm Circulating Exosomes with Lung Self-Antigens, K α 1Tubulin and Collagen V, and Immune Regulatory Proteins in Lung Transplant Recipient with Primary Graft Dysfunction (Abstract #193)**
Monal Sharma, Sreeja Biswas Roy, Rajat Walia, Ashraf Omar, Ross Bremner, Michael Smith, T. Mohanakumar. Phoenix.
- 3:18 pm SIRT1-Ikaros Axis Promotes Macrophage M2 Polarization and Protects Liver Graft from Ischemia-Reperfusion Injury (Abstract #194)**
Kojiro Nakamura, Shoichi Kageyama, Xiaoling Li, Antony Aziz, Rebecca A. Sosa, Elaine F. Reed, Fady M. Kaldas, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA; Durham, NC.
- 3:30 pm Recipient HO-1 Deficiency Decreases Post-Transplant Graft HO-1 Expression and Exacerbates Liver Transplant Damage (Abstract #195)**
Shoichi Kageyama, Kojiro Nakamura, Takahiro Ito, Antony Aziz, Bibo Ke, Rebecca A. Sossa, Elaine F. Reed, Fady M. Kaldas, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA.
- 3:42 pm Recombinant Relaxin Protects Liver Transplants from Ischemia-Reperfusion Damage via Hepatocyte Glucocorticoid Receptor: From Bench-to-Bedside (Abstract #196)**
Shoichi Kageyama, Kojiro Nakamura, Takahiro Ito, Antony Aziz, Bibo Ke, Rebecca A. Sossa, Elaine F. Reed, Fady M. Kaldas, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA.
- Ischemia Reperfusion Injury: Time to Change the Paradigm?**
Room 6B
Chairs: James Burdick, MD, Johns Hopkins Medicine, St Michaels, MD, USA and Robert Cannon, MD, University of Louisville, Louisville, Kentucky, USA
- 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)**
Yuri Boteon, Joseph Attard, Richard Laing, Amanda Boteon, Ricky Bhogal, Gary Reynold, Desley Neil, Hynek Mergental, Darius Mirza, Simon Afford. Birmingham, United Kingdom.

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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)
Yvonne de Vries, Alix P. M. Matton, Shanice A. Karangwa, Maarten W. N. Nijsten, Ruben H. J. de Kleine, Aad P. van den Berg, Vincent E. de Meijer, Peter Meyer, Marieke T. de Boer, Robert J. Porte. Groningen, Netherlands.

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 Aretin, 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)
Shefali Patel, Sumit Mohan, Hilda Fernandez, Ibrahim Batal, Lloyd E. Ratner, John Crew. New York.

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 Puliyaanda, Supreet Sethi, Mark Haas, Kathlyn 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)
Alexander Gueret-Wardle, Gaetano Lucisano, Sevda Hassan, Paul Brookes, Eva Santos-Nunez, Dawn Goodall, Candice Clarke, Jack Galliford, Michelle Willicombe, David Taube. London, United Kingdom.

3:18 pm Antibody-Verified Eplet Mismatches as Determinants of Premature Kidney Transplant Loss (Abstract #208)
Ruth Sapir-Pichhadze, Xun Zhang, Abdelhakim Ferradji, Abeer Madbouly, Stephanie Fingerson, Kathryn 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)
Gastón J. Piñeiro, Jordi Rovira, Erika De Sousa-Amorim, Jesus Z. Villarreal, Manel Sole, Ignacio Revuelta, Miguel Lozano, Eduard Palou, Federico Oppenheimer, Josep M. Campistol, Fritz Diekmann. Barcelona, Spain.

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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)
Natalie Bath, S. Parajuli, G. Levenson, M. Jorgenson, J. Fose, T. Ellis, D. Kaufman, A. Djamali, R. Redfield. Madison, WI.

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

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

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

3:18 pm Thymoglobulin Induction Decreases Risk of Death in HLA-Sensitized Kidney Recipients (Abstract #215)
C. Loheac, O. Aubert, M. Assayag, D. Viglietti, C. Lefaucheur, A. Loupy. Paris, France.

3:30 pm Clinical and Pathological Findings in Hepatitis C Positive Renal Transplant Recipients Following Alemtuzumab Induction (Abstract #216)
S. Jonchhe, J. Husson, A. Haririan, B. Ravichandran. Baltimore.

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

Kidney Living Donation: Donor and Recipient Outcomes

Room 6E

Chairs: John Magee, MD, University of Michigan Med Ctr, Ann Arbor, MI, USA and Scott Westphal, MD, University of Nebraska Medical Center, Omaha, NE, USA

2:30 pm Nephrosclerosis beyond That Expected for Age is Predictive of Early New-Onset Hypertension (HTN) in Living Kidney Donors (LKD) (Abstract #218)
Naim Issa, Lisa Vaughan, Aleksandar Denic, Venkata Nagineni, Harini Chakkera, John Lieske, Lilach Lerman, Sandra Taler, Mark Stegall, Walter Kremers, Emilio Poggio, Andrew Rule. Rochester, MN; Scottsdale, AZ; Cleveland, OH.

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2:42 pm **Prospective, Double Blind, Randomized Trial Comparing the Use of Ketorolac and Lyrica versus SOC+placebo during Live Donor Nephrectomy for Transplant (Abstract #219)**
J. Campsen, T. Call, A. Rosales, C. Allen, A. Presson, R. Kim. Salt Lake City, UT.

2:54 pm **Trends, Patterns, and Recipient Outcomes of Kidney Transplants from Older (>60) Living Donors. A UNOS Database Analysis (Abstract #220)**
Asad Riaz, Oluwafisayo Adebisi, Muhammad S. Yaqub, Dennis P. Mishler, Tim Taber, Asif Sharfuddin. Indianapolis.

3:06 pm **Donor Hypothermia Outcomes in Living Kidney Transplantation (Abstract #221)**
Jacantha Buggs, Jin Wei, Ebonie Rogers, Ruisheng Liu, Victor Bowers. Tampa, FL.

3:18 pm **Probability of Developing Chronic Kidney Disease 1 Year after Living Donor Nephrectomy Correlates with Baseline Kidney Volume and Function (Abstract #222)**
I. E. Hall, A. Shaaban, S. Beddhu, F. Shihab. Salt Lake City, UT.

3:30 pm **Effects of a Multimodal Pain Control Regimen in Living Donor Laparoscopic Nephrectomies (Abstract #223)**
Elizabeth Thomas, Joelle Nelson, Edwardo Diaz. Gainesville, FL.

3:42 pm **Relationship between Living Kidney Donor Follow-Up GFR and Recipient Graft Loss (Abstract #224)**
Courtenay Holscher, Tanveen Ishaque, Christine Haugen, Sandra DiBrito, Kyle Jackson, Abimereki Muzaale, Allan Massie, Macey Henderson, Jacqueline Garonzik Wang, Dorry Segev. Baltimore; Minneapolis.

Kidney Psychosocial - 2

Room 210

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

2:30 pm **Association of Health Literacy with Adverse Outcomes among Kidney Transplant Candidates and Recipients (Abstract #225)**
Fatima Warsame, Christine Haugen, Jacqueline Garonzik-Wang, Niraj Desai, Deidra Crews, Tanjala Purnell, Mara McAdams-DeMarco, Dorry Segev. Baltimore, MD.

2:42 pm **Validation of a Transplant Knowledge Quiz and Its Impact on Outcomes in Kidney Transplant Recipients (Abstract #226)**
Heather Corbo, Neha Patel, Nicole Pilch, Vinayak Rohan, James Fleming, Tiffany Harrison, Jennifer Hardcopf, Bailey O'Brien, Caroline Perez, Prabhakar Baliga, Holly Meadows, David Taber. Charleston.

2:54 pm **Modifiable Causes of Racial Disparities in Living Donor Kidney Transplant (Abstract #227)**
Jennifer L. Beaumont, John D. Peipert, Crystal S. Anderson, Andrea L. Paiva, Mark L. Robbins, Amy D. Waterman. Los Angeles, CA; Kingston, RI.

3:06 pm **Non-Medical Factors Predict Receipt and Type of Kidney Transplant in Veterans (Abstract #228)**
Kellee Kendall, Xingyuan Li, Chung-Chou H. Chang, John Pleis, Emilee Crowell, Mary Amanda Dew, Galen Switzer, Anthony Langone, Anuja Mittal-Henkle, Somnath Saha, Mohan Ramkumar, Jareen Adams-Flohr, Christie P. Thomas, Larissa Myaskovsky. Iowa City, Portland, Pittsburgh, Nashville.

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3:18 pm Quality of Social Support Network and Access to Transplant: What Matters? (Abstract #229)

Amy D. Waterman, Jennifer L. Beaumont, Satoru Kawakita, Melissa Dunbar-Forest, Gabriel M. Danovitch, Isabel Hong, Crystal Anderson, Matthew Everly, John D. Peipert. Los Angeles, CA.

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)

Amy D. Waterman, John D. Peipert, Jennifer L. Beaumont. Los Angeles, CA.

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.

Kidney: Pediatrics - 2

Room 3AB

Chairs: Asha Moudgil, MD, Children's National Health System, Washington, DC, USA and Heidi Yeh, Massachusetts General Hospital, Boston, MA, USA

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.

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.

2:54 pm Low Kidney Supply to Demand Ratio and Multi-Organ Transplant Centers Are Negatively Associated with Pediatric Renal Transplant Rates Post Kidney Allocation System Implementation: An Analysis of OPTN Data (Abstract #234)

Patrick S. Almond, Samhar I. Al-Akash, Darren Stewart, Amanda Robinson. Corpus Christi, TX; Richmond, VA.

3:06 pm BK Polyomavirus (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.

3:18 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.

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.

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 Puliyaanda. Los Angeles, CA.

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

Liver Retransplantation and Other Complications

Room 6A

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

- 2:30 pm Clinical Implications of Positive Crossmatch in Liver Retransplants (Abstract #239)**
Flavio Paterno, Simon Tremblay, Koffi Wima, Madison Cuffy, Tayyab Diwan, Nadim Anwar, Ervin Steve Woodle, Shimul Shah. Cincinnati, OH.
- 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)**
Otto B. van Leeuwen, Marjolein van Reeven, Joris I. Erdmann, Herold J. Metselaar, Aad P. van den Berg, Bart van Hoek, Wojciech G. Polak, Robert J. Porte. Groningen, Netherlands; Rotterdam, Netherlands; Leiden, Netherlands.
- 3:18 pm Retransplantation after Living Donor Liver Transplantation: Analysis of Data from the A2ALL Study (Abstract #243)**
Hillary J. Braun, Joshua D. Grab, Jennifer L. Dodge, Shareef M. Syed, Garrett R. Roll, Chris E. Freise, John P. Roberts, Nancy L. Ascher. San Francisco, CA.

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)

Daniel Galvez, Chandra S. Bhati, M. Shadab Siddiqui, Christopher Schmoyer, Tamoore Arshad, Amit Sharma, Adrian H. Cotterell, Kunal Yadav, Trevor Reichman, Marlon F. Levy. Richmond, VA.

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 Dharancy, 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.

Monday, June 4

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

- 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.
- 2:30 pm** **Location, Location, Allocation in Heart Transplantation**
Room 4C-3
Chairs: Teresa DeMarco, MD, UCSF, San Francisco, CA, USA and Shelley Hall, MD, Baylor Dallas, Dallas, Texas, USA
- 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.
- 2:42 pm** **Impact of Pre-Transplant Dialysis on ESRD-Free and Patient Survival in Heart Transplant Alone and in Simultaneous Heart/Kidney Transplant Recipients: UNOS Data Analysis (Abstract #253)**
Sanjeev Akkina, Amishi Desai, Jongwon Yoo, Susan Hou, Ravi Parasuraman. Maywood, IL.
- 3:18 pm** **Direct-Acting Antiviral Therapy Immune-Mediated Graft Dysfunction in Liver Transplant Recipients with Hepatitis C (Abstract #250)**
Christine Chan, E. Agudelo, J. P. Haydek, M. Hoteit, M. P. Laurito, J. P. Norvell, T. Schiano, N. Terrault, E. Verna, A. Yang, Josh Levitsky. Chicago, IL; San Francisco, CA; Atl, GA; Philadelphia, PA; NY, NY.
- 2:54 pm** **Analyzing Geographic Disparity in the US Heart Allocation System (Abstract #254)**
Fatemeh Karami, Mehdi Nayebpour, Monica Gentili, Naoru Koizumi, Andrew Rivard. Louisville, KY; Arlington; Abu Dhabi, United Arab Emirates.
- 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.
- 2:54 pm** **Geographic Variation in the Survival Benefit of Heart Transplantation (Abstract #255)**
William F. Parker, Robert Gibbons, Matthew M. Churpek, Allen S. Anderson. Chicago, IL.
- 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)**
Jon A. Kobashigawa, Jignesh Patel, Evan Kransdorf, Ryan Levine, Sadia Dimbil, Elizabeth Passano, Lawrence Czer, Jaime Moriguchi, Francisco Arabia. Los Angeles.
- 3:18 pm** **Providing Actual Echocardiographic Images to Centers Markedly Increases Transplantation of Deceased Donor Hearts (Abstract #257)**
Jeffrey Trageser, Charles Wainaina, Lisa Stocks, Robert Steiner. San Diego, CA.

AMERICAN TRANSPLANT CONGRESS

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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)
Angela Velleca, Evan Kransdorf, Jignesh Patel, Michelle Kittleson, Sadia Dimbil, Ryan Levine, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.

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

Novel Regulatory Pathways in Tolerance

Room 606/607

Chairs: Jamil Azzi, Harvard Medical School, Brigham and Women's Hospital, Boston, MA, USA and Robert Fairchild, PhD, Cleveland Clinic, Cleveland, OH, USA

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

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

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

3:06 pm Early Evolution and Pathologic Characteristics of Treg-Rich Organized Lymphoid Structures (TOLS) Associated with Immunological Tolerance in Accepted Mouse Kidney Allografts (Abstract #263)
C. Yang, I. Rosales, T. F. O'Shea, D. K. Ndishabandi, R. A. White, P. S. Russell, J. C. Madsen, A. Alessandrini, R. B. Colvin. Boston.

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.

Monday, June 4

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

2:42 pm A Novel Nomogram-Based Approach for Defining the Effect of Transplantation on Cancer Recurrence Risk (Abstract #268)

N. S. Ejaz, R. R. Alloway, F. Paterno, A. Singhal, X. Ji, M. W. Kattan, E. S. Woodle. Cincinnati; Cleveland.

2:54 pm Organ Transplantation Associated with High Incidence of Anal Cancer and Pre-Cancer Lesions among HIV-Infected Women and Men (Abstract #269)

Peter Chin-Hong, Burc Barin, Michael Berry, Maria DaCosta, Tere Darragh, Lori Rosenthal, Steve Bartlett, Douglas Dieterich, Fred Poordad, Nicolas Nissen, Mike Wong, Peter Stock, Joel Palefsky. San Francisco; Rockville; New York; Baltimore; Los Angeles; Boston.

3:06 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.

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

Nancy M. Rodig, Geraldine Pinkus, Gabriel Ramos Gonzalez, Timna Agur, Olga K. Weinberg. Boston, MA.

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 Mazariegos, Diana Metes. Pittsburgh, PA.

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

Yarl Balachandran, Marla McPherson, Scott D. Boyd, Carlos O. Esquivel, Sheri Krams, Olivia M. Martinez. Stanford.

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)

Sandra DiBrito, Mary Grace Bowring, Sarah Rasmussen, Christine Haugen, Courtenay Holscher, Nicole Zonnenberg, Macey Henderson, Dorry Segev, Jacqueline Garonzik-Wang. Baltimore.

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)

A. K. Mathur, D. S. Ubl, J. W. Harbell, K. P. Croome, C. B. Taner, J. Heimbach, A. A. Moss, E. B. Habermann. Rochester, Phoenix, Jacksonville.

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

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 Poulouse, Rebecca Baucom. Madison; Nashville; Dallas.

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

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

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)
Thet Su Win, Beatrice Dyring-Andersen, Jessica Teague, Naoka Murakami, Anil Chandraker, Bohdan Pomahac, Leonardo Riella, Rachael Clark. Boston.

2:42 pm Histone Deacetylase Inhibition Mitigates Limb Ischemia Reperfusion Injury (Abstract #282)
Seth J. Concors, David D. Aufhauser, Douglas R. Murken, Zhonglin Wang, Guanghui Ge, Tricia Bhatti, Wayne W. Hancock, Matthew H. Levine. Philadelphia, PA.

2:54 pm First Birth after Uterus Transplant in the US (Abstract #283)
Liza Johannesson, Robert T. Gunby, Jr., Tiffany Anthony, Greg J. McKenna, E. Colin Koon, Ann Marie Warren, Greg dePrisco, James M. Mitchell, J. Michael Putman, Kristin Wallis, Goran B. Klintmalm, Giuliano Testa. Dallas, TX.

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.

3:18 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.

3:30 pm Mechanisms of Vascularized Bone Marrow Graft Protection of Vascularized Composite Allografts (Abstract #286)
E. B. Buckingham, N. Shockcor, W. Hassanein, C. Drachenberg, A. Nam, S. T. Bartlett, R. N. Barth. Baltimore, MD.

3:42 pm End Stage Renal Disease after Face Transplant (Abstract #287)
N. Shockcor, B. Buckingham, W. Hassanein, A. Haririan, S. Roberts, A. Nam, E. D. Rodriguez, S. T. Bartlett, R. N. Barth. Baltimore, MD; Covington, LA; New York, NY.

Monday, June 4

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

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
Gainesville, 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 Kronsoble, 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

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

Panelists:

*Patrick Smith, PhD
Duke University
Durham, NC, USA*

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

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

Concurrent Oral Abstract Sessions

4:30 pm – 6:00 pm

Addressing Re-Emerging Infectious Challenges to Transplantation

Room 602/603/604

Chairs: Lara Danziger-Isakov, Cincinnati Children's Hosp Med Cntr, Cincinnati, OH, USA and Shirish Huprikar, The Mount Sinai Hospital, New York, New York, USA

4:30 pm **Containment of Carbapenem-Resistant *Enterobacteriaceae* (CRE) Infections at a Solid Organ Transplant Centre (Abstract #288)**

Alessandra Mularoni, Gennaro Martucci, Salvatore Gruttadauria, Maria Campanella, Fabio Tuzzolino, Giuseppe Arena, Antonio Arcadipane, Ugo Palazzo, Angelo Luca, Bruno Gridelli, Paolo Grossi. Palermo, Italy; Varese, Italy.

4:42 pm **Risk Factors and Outcomes with Extended-Spectrum Beta-Lactamase-Producing *Enterobacteriaceae* Bloodstream Infections among Solid Organ Transplant Recipients (Abstract #289)**

Judith Anesi, Emily Blumberg, Ebbing Lautenbach, Pranita Tamma, Kerri Thom, Kevin Alby, Warren Bilker, Jacqueline Omorogbe, Pam Tolomeo, Alissa Werzen, Koorosh Nemati, Jennifer Han. Philadelphia, PA; Baltimore, MD.

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

Seyed M. Hosseini-Moghaddam, Mostafa Shokoohi, Gagan Singh, Simon F. Dufresne, Anthony Jevnikar, Dima Kabbani, Heloise Cardinal, Isabelle Houde, Marie-Josée Hebert, Ahmed Shoker, G. V. Ramesh Prasad, Atul Humar, Deepali Kumar. London, ON, Canada.

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

Kathryn Whitaker, Judith Anesi, Emily Blumberg, Lisa Gardo, James Lee, Maria Crespo, Christian Bermudez, Laurel Glaser, Marissa Wilck. Philadelphia, PA.

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.

Monday, June 4

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

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 p16^{INK4a} Deletion in Vascular Endothelium Improves Kidney Regeneration Post Ischemia Reperfusion Injury (Abstract #297)**
Anette Melk, Arpita Baisanry, Shijun Wang, Fanni Kubaink, Raj Bhayadia, Roland Schmitt. Hannover, Germany.
- 5:06 pm Novel Function of TIE2 in Immunoregulation (Abstract #298)**
Chandra C. Ghosh, Timna Agur, Anne-Linde Mak, Soumitro Pal, Johannes Wedel, Briscoe M. David. Boston, MA.
- 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 IRE1 α 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)**
Juan S. Danobeitia, Tiffany Zens, Laura J. Zitur, Peter J. Chlebeck, Jose Torrealba, Daniel Burguete, Edwin Van Amersfoort, Anurag Relan, Anthony D'Alessandro, Luis A. Fernandez. Madison, WI; Leiden, Netherlands.
- 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.

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

5:18 pm T-Cell Expression of C5a Receptor 2 Augments Murine Regulatory T Cell Generation and Regulatory-T-Cell-Dependent Cardiac Allograft Survival (Abstract #306)
Nicholas Chun, Divya Verghese, Markus Demir, Miguel Fribourg, Ines Llaudo, Edward Medof, Peter Heeger. NY, NY; Cleveland, OH.

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

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

Kidney Complications: Diagnostic Considerations

Room 6C

Chairs: Nicolae Leca, MD, University of Washington, Seattle, WA, USA and Nicole Turgeon, Emory University, Atlanta, GA, USA

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

Monday, June 4

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

Kidney Complications: Late Graft Failure

Room 6E

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

- 4:30 pm Identifying the Specific Causes of Kidney Allograft Loss: A Population Based Study (Abstract #316)**
C. Loheac, O. Aubert, D. Viglietti, N. Kamar, M. Delahousse, C. Lefaucheur, A. Loupy. Paris, France.
- 4:42 pm Population-Based Modeling of Prototypes and Determinants of Allograft Function Trajectories after Kidney Transplantation: Implications for Patient Monitoring and Risk Stratification (Abstract #317)**
M. Raynaud, O. Aubert, M. Naessens, E. Morelon, M. Giral, N. Kamar, E. D. Wong, S. C. Jordan, B. J. Orandi, D. L. Segev, M. D. Stegal, P. Reese, C. Lefaucheur, A. Loupy. Paris, France.
- 4:54 pm Validation of an Integrative and Dynamic Prognostic Score for Response to Therapy in Solid Organ Transplants (Abstract #318)**
A. Loupy, O. Aubert, D. Viglietti, C. Legendre, D. Glotz, C. Lefaucheur. Paris, France.
- 5:06 pm Improving Prediction of Post-Transplant Death and Graft Loss with Expanded Clinical Data Collection (Abstract #319)**
Randall S. Sung, John Magee, Mark A. Schnitzler, Nino Dzebisashvili, Krista L. Lentine, Lisa Ly, David A. Axelrod. Ann Arbor; St. Louis.
- 5:18 pm Can Immunosuppression Maintenance after Renal Allograft Failure Prevent Further Sensitization? (Abstract #320)**
Alejandra M. Mena-Gutierrez, Kawther Alquadan, Alfonso H. Santos, Karl L. Womer, Michael J. Casey. Gainesville.

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

I. E. Hall, E. Akalin, J. S. Bromberg, M. D. Doshi, M. N. Harhay, Y. Jia, S. G. Mansour, S. Mohan, T. Muthumkumar, P. P. Reese, B. Schröppel, P. Singh, H. R. Thiessen-Philbrook, F. L. Weng, C. R. Parikh. New Haven, CT.

5:42 pm Predictors of Graft Survival at the Time of a Kidney Transplant Indication Biopsy (Abstract #322)

Gunilla Einecke, Jeff Reeve, Philip Halloran. Hannover, Germany; Edmonton, Canada.

Kidney Immunosuppression: Desensitization

Room 4B

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

4:30 pm A Follow-Up Report on the Use of IVIG+Rituximab to Reduce Donor Specific Antibodies and Improve Transplant Rates in Highly-Sensitized Patients Awaiting Deceased Donor Kidney Transplantation (Abstract #323)

Reiad Najjar, Edmund Huang, Ashley Vo, Jua Choi, Kathlyn 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.

4:54 pm modified DFPP Can Eliminate Donor-Reactive IgG Antibody with Preserving Fibrinogen before Kidney Transplantation (Abstract #325)

Daiki Iwami, Takenao Matsumoto, Kiyohiko Hotta, Minoru Ota, Yuki Chiba, Haruka Higuchi, Nobuo Shinohara. Sapporo, Hokkaido, Japan.

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- 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)**
S. Tremblay, C. Castro-Rojas, J. J. Driscoll, S. J. Knechtle, A. Shields, R. R. Alloway, H. Singh, D. Hildeman, E. S. Woodle. Cincinnati; Durham.
- 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 Desensitization (DES): 3yrs Post Implementation (Abstract #329)**
Ashley Vo, Edmund Huang, Noriko Ammerman, Summer Williamson, Catherine Myers, Alice Peng, Reiad Najjar, Supreet Sethi, Kathlyn Lim, Stanley C. Jordan. LA, CA.
- 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)**
Andreas Kousios, Konstantinos Koutrotsos, Rawya Charif, Jack Galliford, Natasha Stubbs, Harvinder Dulku, Honeylet Orr, Marina Loucaidou. London, United Kingdom.
- 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.
- 4:30 pm** **Morbidity Outcomes in Live Kidney Donors in the UK: 15 Year Compative 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.

Kidney Living Donor: Long Term Outcomes

Room 6A

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

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

Kidney: Cardiovascular and Metabolic - 2

Room 303

Chairs: Abhijit Naik, MD, MPH, FASN, University of Michigan, Ann Arbor, MI, USA and Sandra Taler, MD, Mayo Clinic, Rochester, MN, USA

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

Hala Yamout, Rosemary Ouseph, Mark A. Schnitzler, Hailing Xiao, Vikas R. Dharnidharka, Abhijit S. Naik, Ngan N. Lam, Farrukh Koraisly, 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.

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

A. Bailey, Y. Kim, S. Woodle, S. Shah, F. Paterno, M. Cuffy, T. Diwan. Cincinnati, OH.

4:54 pm **Kidney Transplantation and Progression of Peripheral Arterial Disease in the Ipsilateral Lower Extremity (Abstract #339)**

Andrew C. Rasmussen, Ronald B. Moore, Trevor D. Schuler, Gerald T. Todd, Kevin Wen. Edmonton, AB, Canada.

5:06 pm **New Onset Diabetes after Kidney Transplant: Comparisons of Risks Associated with Various Steroid-Containing Calcineurin Inhibitor and Sirolimus Regimens (Abstract #340)**

Alfonso H. Santos, Jr., Michael J. Casey, Kawther Alquadan, Xuerong Wen, Chao Chen, Alejandra Gutierrez-Mena, Karl L. Womer. Gainesville, FL; Kingston, RI.

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 Keddiss. Scottsdale.

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)**

T. A. J. van den Berg, R. C. Minnee, G. J. Nieuwenhuijs-Moeke, S. J. L. Bakker, R. A. Pol. Groningen, Netherlands; Rotterdam, Netherlands.

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.

4:54 pm **Robotic Kidney Transplantation in Obese Recipients: The New Standard? (Abstract #346)**

Ivo Tzvetanov, Caterina Di Bella, Kiara Tulla, Mario Spaggiari, Federico Gheza, Pierpaolo Di Cocco, Jose' Oberholzer, Enrico Benedetti. Chicago, IL; Virginia, VA.

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Program, Monday, June 4, 2018

- 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, A dyr 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)**
Shigeyoshi Yamanaga, Peter Stock, Mehdi Tavkol, Sang-Mo Kang. San Francisco, CA.

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)**
Elizabeth L. Godfrey, Jennifer C. Lai, Tamir Miloh, Nhu Thao Galvan, Ronald T. Cotton, Christine O'Mahony, John Vierling, Norman Sussman, Abbas Rana. Houston, TX; San Francisco, CA.

- 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)**
Raymond J. Lynch, Katie Ross, Thomas C. Pearson, David S. Goldberg, Rachel E. Patzer. Atlanta, GA; Philadelphia, PA.

- 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.

Monday, June 4

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

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)**
Maureen J. M. Werner, Ruben H. J. de Kleine, Marieke T. de Boer, Vincent E. de Meijer, René Scheenstra, Henk-Jan J. Verkade, Frank A. J. A. Bodewes, Sander T. H. Bontemps, Ton Lisman, Robert J. Porte. Groningen, Netherlands.
- 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)**
D. J. Firl, K. Sasaki, C. Quintini, B. Eghtesad, C. M. Miller, Koji Hashimoto. Cleveland.
- 4:54 pm Frequency of Whole-Organ in Lieu of Split-Liver Transplantation over the Last Decade: Children Experienced Increased Wait Time and Death (Abstract #360)**
Pamela L. Valentino, Sukru Emre, Luhang Li, Yanhong Deng, Geliang Gan, David Mulligan, Udeme 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. Vikraman, Andrew S. Barbas. Durham, NC.

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

- 5:42 pm T Cell Exhaustion Contributes to Operational Tolerance of Liver Allografts in Pediatric Liver Transplant Recipients (Abstract #364)**
Bala Ramaswami, Marilyn Marrari, Osamu Yoshida, Xinfeng Guo, William Hoffman, Carol Bentlejewski, Diana Metes, Anthony Demetris, Adriana Zeevi, Angus Thomson, George Mazariegos, Geetha Chalasani. Pittsburgh, PA; Toonshi, Ehime-ken, Japan.

Non-Organ Specific: Economics, Public Policy, Allocation, Ethics - 1

Room 4C-4

Chairs: Kevin O'Connor, LifeCenter Northwest, Bellevue, WA, USA and Michael Seely, MS, CPTC, Pacific Northwest Transplant Bank, Portland, OR, USA

- 4:42 pm The Stunning Rise in Organ Donors Deceased from Drug Overdose (Abstract #365)**
Neerja Agrawal, Salwa Rhazouani, Diego Reino, David McMichael, Clifton McClenney, Deborah Sears, 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)**
L. Wilson, D. Taber, N. Pilch, R. Gilbert, Z. Elmaasarani, B. O'Brien, N. Patel, P. Mauldin, S. Ball, P. Baliga, James Fleming. Charleston, SC.

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

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)

Gaurav Gupta, Yiran Zhang, Hrishikesh Kale, Normal Carroll, Richard K. Sterling. Richmond.

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)

Rachel Forbes, Silke Niederhaus, Abigail Fox, Jonathan Fridell, Peter Abrams, Oyedolamu Olaitan, Fouad Kandeel, Read Urban, Michael Curry, Jon Odorico. Richmond.

4:54 pm Major Adverse Cardiovascular Events Following Simultaneous Pancreas and Kidney Transplantation. A Study of the United Kingdom Transplant Registry (Abstract #373)

Petros Yiannoullou, 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.

Monday, June 4

AMERICAN TRANSPLANT CONGRESS

Program, Monday, June 4, 2018

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)**

James Fleming, David Taber, B. O'Brien, Neha Patel, Nicole Pilch, R. Gilbert, L. Wilson, Z. Elmaasarani, S. Ball, P. Mauldin, Prabhakar Baliga. Charleston, SC.

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

Sharad I. Wadhvani, Stuart Taylor, Cole Brokamp, Weixia Guo, Eyal Shemesh, John C. Bucuvalas. Cincinnati; New York.

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)**

Allyson Hart, Marilyn Bruin, Sauman Chu, Melissa Partin, Arthur Matas, Connett John, Ajay Israni. Minneapolis.

5:30 pm **Information Needs of Adolescent Transplant Recipients Transitioning to Adult Care (Abstract #383)**

Beverly Kosmach-Park, Diana Shellmer, Christina Nguyen, George Mazariegos. Pittsburgh, PA.

5:42 pm **Using the Explore Transplant Ontario Program to Increase Transplant Knowledge and Readiness among Patients on Maintenance Dialysis (Abstract #384)**

Dmitri Belenko, Candice Richardson, Vardaan Gupta, Tibyan 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)**

Nhu Thao N. Galvan, John Geha, Ruth L. Ackah, Michael Kueht, Ronald T. Cotton, Christine A. O'Mahony, Abbas Rana, John A. Goss. Houston, TX.

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.

5:18 pm **Trends and Policy Influences on Multiple Listing Practices for Kidney Transplantation between 2000 and 2017 (Abstract #389)**

M. Decoteau, D. Stewart, A. Toll, J. Case, C. Marsh. La Jolla, CA; Richmond, VA.

AMERICAN TRANSPLANT CONGRESS

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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 Dubai, 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, Dharmendra Jain, James Young, Jianjun Chen, Jinghui Yang, Qiang Wang, Dengping Yin, Roger Sciammas, Anita Chong. Chicago, IL; Davis, CA.

4:54 pm Acquired Resistance to Transplantation Tolerance as a Result of Prior Pregnancy Requires B Cells (Abstract #394)

Ashley Suah, Stella Khiew, James Young, Dengping Yin, Qiang Wang, Marisa Alegre, Anita Chong. Chicago, IL.

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

Y. Xiong, C. C. Brinkman, L. E. Hittle, W. F. Fricke, E. F. Mongodin, Jonathan Bromberg. MD.

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. Dehnadi, I. A. Rosales, H. Sasaki, P. Cippa, R. Fehr, A. B. Cosimi, T. Kawai. Boston, MA; Zurich, Switzerland.

5:42 pm Robust Hematopoietic Mixed Chimerism and Donor-Specific Skin Allograft Tolerance after Non-Genotoxic Anti-CD117 Immunotoxin Conditioning and Donor Bone Marrow Allotransplantation (Abstract #398)

Zhanzhuo Li, Agnieszka Czechowicz, Amelia Scheck, Derrick J. Rossi, Philip M. Murphy. Bethesda; Stanford; Boston; Cambridge.

AST Town Hall & Reception

5:45 pm -7:00 pm

Room 2AB

Poster Session C – Presenters in Attendance

Hall 4EF

Poster Viewing: 6:00 pm - 7:00 pm

Presenters in Attendance: 6:00 pm - 7:00 pm

Poster Session C can be found on pages 191-218.

Monday, June 4

AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Tuesday, June 5, 2018

7:00 am – 8:15 am Sunrise Interactive

- Page 86* **Expanding the Indications for Liver Transplantation**
Room 606-607
- Page 86* **The Right Choice for the Diabetic with ESRD**
Room 615-617
- Page 86* **Strategies to Ensure “Transplant-Readiness”: Preparing Patients for Post-Transplant Life in the Pre-Transplant Setting**
Room 611-614

7:00 am – 8:15 am Sunrise Didactic

- Page 86* **More than X or Y: Impact of Gender and Sex in Transplantation**
Room 608-609
- Page 87* **The Challenges for Adolescent and Young Adult Liver Transplant Candidates and Recipients – It’s More Than Just Transition!**
Room 4C-3
- Page 87* **Understanding Chronic AMR in Liver Transplants**
Room 6C
- Page 87* **Antibiotic Use, Drug Resistance and Stewardship in Solid Organ Transplant Recipients**
Room 6B
- Page 87* **Why Is My Patient Sick? Tell Me Quick!**
Room 4C-4
- Page 88* **Tissue Engineering and Xenotransplantation**
Room 6A
- Page 88* **Management of the Kidney Waitlist**
Room 6E

Page 88 **Emerging Perfusion Technology: Challenges to Implementation**
Room 618-620

Page 88 **Achieving Health Equity in Transplantation**
Room 602-604

8:30 am – 9:30 am Plenary Session

Page 89 **Plenary Session III**
Room Hall 4B

9:30 am – 10:00 am State-of-the-Art Speaker

Page 89 **Systems Immunology in Health and Disease**
Room Hall 4B

10:00 am – 10:45 am Controversies in Transplantation - Basic

Page 89 **Is the Microbiome Really Important in Transplantation?**
Room 6E

10:00 am – 10:45 am Controversies in Transplantation - Clinical

Page 90 **Weeding out Fact from Fiction in Substance Abuse: How Much is Too Much for Transplantation or Donation?**
Room Hall 4B

11:15 am – 12:45 pm Midday Interactive

Page 90 **Reproductive Health in Solid Organ Transplantation**
Room 615-617

11:15 am – 12:45 pm Midday Didactic

Page 90 **The Science of Decision Making in Organ Allocation**
Room 6B

AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Tuesday, June 5, 2018

<i>Page 91</i>	Liver Transplantation Versus Simultaneous Liver Kidney Transplantation: Choosing The Road Less Traveled <i>Room 611-614</i>	1:00 pm – 2:15 pm	Satellite Symposia Located in the Sheraton Seattle Hotel
		<hr/>	
		Supported by Novartis	
<i>Page 91</i>	Broader Sharing in Liver Transplantation: Current Proposals for Allocation and Metrics <i>Room 602-604</i>	<i>Page 93</i>	<i>Grand Ballroom A-C, Second Floor</i>
		Supported by CareDx	
		<i>Page 93</i>	<i>Metropolitan Ballroom A/B, Third Floor</i>
<i>Page 91</i>	Damn the Torpedoes: Donors with HIV, HCV, and HBV <i>Hall 4B</i>	1:00 pm – 2:15 pm	Luncheon Workshops
		<hr/>	
		<i>Page 93</i>	Ticketed Events
<i>Page 91</i>	Pancreas Transplantation: How I Do It? <i>Room 618-620</i>	<i>Page 93</i>	Getting your Patients Out the Door – Challenges and Opportunities in the Medication Discharge Process <i>Room 204</i>
<i>Page 92</i>	Bench to Bedside - Overcoming Complement in Transplant Rejection <i>Room 606-607</i>	<i>Page 93</i>	Transplant Dermatology: It's a New Frontier So Get on Board <i>Room 205</i>
<i>Page 92</i>	New Aspects of Immune Memory <i>Room 6E</i>	<i>Page 93</i>	mHealth in Transplant: The Path from Potential to Reality <i>Room 210</i>
<i>Page 92</i>	The Transplant Therapeutics Consortium: Progress in Bringing New Therapies to Patients <i>Room 608-609</i>	2:30 pm – 4:00 pm	Concurrent Oral Abstract Sessions
		<hr/>	
<i>Page 92</i>	Efforts to Reduce Organ Discards – Summary of the NKF's Consensus Conference <i>Room 6A</i>	<i>Page 94</i>	Biomarkers, Immune Monitoring and Outcomes: Basic <i>Room 602/603/604</i>
<i>Page 93</i>	Well, Isn't that Special: Immunosuppression Management in Special Populations <i>Room 6C</i>	<i>Page 94</i>	Chronic Graft Injury <i>Room 606/607</i>
		<i>Page 95</i>	Donor Management: All Organs Excluding Kidney <i>Room 3AB</i>
<i>Page 93</i>	National Academy of Medicine (NAM) report on Donor Intervention Research: Summary and Future Outlook <i>Room 4C-3</i>	<i>Page 96</i>	Kidney Deceased Donor Allocation - 2 <i>Room 6E</i>
		<i>Page 96</i>	Kidney Immunosuppression: General Considerations - 1 <i>Room 6C</i>

Tuesday, June 5

AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Tuesday, June 5, 2018

<i>Page 97</i>	Kidney Infectious - Pot-Pourri <i>Room 608/609</i>	4:30 pm – 6:00 pm	Pediatric Symposia
<i>Page 98</i>	Kidney Paired Exchange <i>Room 4B</i>	<i>Page 104</i>	Utilization of High Risk Donor Organs for Pediatric Transplantation <i>Room 615-617</i>
<i>Page 99</i>	Kidney: Acute Cellular Rejection <i>Room 6A</i>	4:30 pm – 6:00 pm	Concurrent Oral Abstract Sessions
<i>Page 99</i>	Kidney: Polyoma <i>Room 2AB</i>	<i>Page 105</i>	Biomarkers, Immune Monitoring and Outcomes: Clinical <i>Room 602/603/604</i>
<i>Page 100</i>	Liver: MELD, Allocation and Donor Issues - 2 <i>Room 6B</i>	<i>Page 106</i>	Cellular Therapies and to Promote Tolerance <i>Room 606/607</i>
<i>Page 101</i>	Non-Organ Specific: Economics, Public Policy, Allocation, Ethics - 2 <i>Room 4C-4</i>	<i>Page 106</i>	Kidney Complications: Antibody & Late Outcomes <i>Room 4B</i>
<i>Page 102</i>	Pancreas and Islet - 2 <i>Room 4C-3</i>	<i>Page 107</i>	Kidney Donor Selection / Management Issues - 2 <i>Room 6E</i>
<i>Page 102</i>	T Cell Biology <i>Room 618/619/620</i>	<i>Page 108</i>	Kidney Immunosuppression: General Considerations - 2 <i>Room 6A</i>
2:30 pm – 6:00 pm	Featured Multidisciplinary Transplant Professionals Symposium III	<i>Page 109</i>	Kidney Living Donation: Programmatic Issues <i>Room 6B</i>
<i>Page 103</i>	Transplantation in Older Adults – Part I <i>Room 611-614</i>	<i>Page 109</i>	Kidney: Perioperative Considerations <i>Room 303</i>
<i>Page 103</i>	Transplantation in Older Adults – Part II <i>Room 611-614</i>	<i>Page 110</i>	Liver: Hepatocellular Carcinoma and Other Malignancies <i>Room 6C</i>
<i>Page 103</i>	Transplantation in Older Adults – Part III <i>Room 611-614</i>	<i>Page 111</i>	Liver: Living Donors and Partial Grafts <i>Room 608/609</i>
2:30 pm – 6:00 pm	Pediatric Symposia	<i>Page 112</i>	New Approaches to Target Regulatory T Cells <i>Room 618/619/620</i>
<i>Page 104</i>	Tolerance in Children and Improving Graft Longevity in Pediatric Transplantation <i>Room 615-617</i>	<i>Page 112</i>	New Frontiers in HIV and Hepatitis <i>Room 4C-3</i>

AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Tuesday, June 5, 2018

Page 113 **Non-Organ Specific: Economics,
Public Policy, Allocation, Ethics -
3**
Room 4C-4

Page 114 **Quality Assurance Process
Improvement**
Room 2AB

Page 114 **Tolerance: Clinical Studies**
Room 210

Page 115 **Late Breaking**
Room 3AB

6:00 pm – 7:00 pm Poster Session D

Presenters in Attendance
Hall 4EF

7:30 pm – 10:30 pm ATC Night Out

Page 116 *Museum of Flight - Offsite*

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

Sunrise Interactive

7:00 am – 8:15 am

Expanding the Indications for Liver Transplantation

Room 606-607

Moderators: Yuri Genyk, MD, University of Southern California, Los Angeles, CA, USA

7:00 am Liver Transplantation for Metastatic Colorectal Cancer

Svein Dueland, MD
Oslo University Hospital
Oslo, Norway

7:20 am Liver Transplantation for Advanced Hepatoblastoma

John Goss, MD
Baylor College of Medicine
Houston, TX, USA

7:40 am Liver Transplantation for Metastatic Neuroendocrine Tumors

John Renz, MD, FACS, PhD
University of Chicago Medicine
Chicago, IL, USA

8:00 am Discussion

The Right Choice for the Diabetic with ESRD

Room 615-617

Moderators: Matthew Cooper, MD, Georgetown Transplant Institute, Washington, DC, USA and Rainer 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

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

7:25 am Sex Cells: What Does XX and XY Mean for Cell-Based Therapies?

*Lori West, MD, DPhil, FRSC
University of Alberta
Edmonton, AB, CA*

7:50 am Efficacy of Immunosuppression and Impact of Sex

*Lisa Potter, PharmD, BCPS, FCCP,
FAST
University of Chicago
Chicago, IL, USA*

The Challenges for Adolescent and Young Adult Liver Transplant Candidates and Recipients – It's More Than Just Transition!

Room 4C-3

Moderators: Simon Horslen, MB, ChB, Seattle Children's & University of Washington, Seattle, WA, USA and John Bucuvalas MD, Cincinnati Children's Hospital & University of Cincinnati, Cincinnati, OH, USA

7:00 am What Makes Patients Teen/Young Adult Patients Different from Adults

*John Magee, MD
University of Michigan
Ann Arbor, MI, USA*

7:25 am The Surgical and Immunological Risks Teen/Young Adult Transplant and Retransplant

*Jorge Reyes, MD
University of Washington
Seattle, WA, USA*

7:50 am Teen/Young Adult Patients: What to Do Before Something Stupid Happens

*Nisreen Soufi, MD
University of Southern California
Los Angeles, CA, USA*

Understanding Chronic AMR in Liver Transplants

Room 6C

Moderators: Michael Voigt, MD, University of Iowa, Iowa City, IA, USA and Howard Gebel, PhD, Emory University Hospital, Atlanta, GA, USA

7:00 am Histocompatibility 101: Titer, MFI, MESF, Subclass, Eplets and More...

*Kathryn Tinckam, MD, MMSc, FRCPC
University of Health Network
Toronto, ON, Canada*

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*

Tuesday, June 5

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

7:50 am 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

7:00 am Construction of Organs by Tissue Engineering
Giuseppe Orlando, MD, PhD
Wake Forest University
Winston-Salem, NC, USA

7:25 am Clinical Translation of Xenografts
Joseph Tector, MD, PhD
University of Alabama at Birmingham
Birmingham, AL, USA

7:50 am Evolving Barriers in Xenotransplantation Arena
Mohamed Ezzelarab, MD
Thomas Starzl Transplant Institute
Pittsburgh, PA, USA

Management of the Kidney Waitlist

Room 6E

Moderators: Jesse Schold, PhD, Cleveland Clinic,
Cleveland, OH, USA and Deirdre Sawinski, MD,
University of Pennsylvania, Philadelphia, PA, USA

7:00 am The Impact of KAS on Waitlist Management
Richard Formica, MD
Yale University
New Haven, CT, USA

7:25 am Assessment of Cardiovascular Risk for Waitlisted Individuals
Jagbir Gill, MD
University of British Columbia
West Vancouver, BC, Canada

7:50 am Real-time vs. Delayed Recipient Workup? Delayed
John Friedewald, MD
Northwestern University
Chicago, IL, USA

8:00 am Real-time vs. Delayed Recipient Workup? Real-time
Emilio Poggio, MD
Cleveland Clinic
Cleveland, OH, USA

8:10 am Discussion

Emerging Perfusion Technology: Challenges to Implementation

Room 618-620

Moderators: David Klassen, MD, UNOS, Richmond,
VA, USA and Miriam Provost, Transmedics,
Vienna, VA, USA

7:00 am Regulatory Hurdles to Implementation: FDA and Industry Perspectives
Waleed Hassanein
Transmedics
Vienna, VA, USA

7:25 am New Perfusion Technology: Implementation Experience in the Europe
Peter Friend, MD
University of Oxford
Oxford, United Kingdom

7:50 am How will OPOs Adopt New Perfusion Technology
Kevin Myer, MSHA
LifeGift
Houston, TX, USA

Achieving Health Equity in Transplantation

Room 602-604

Moderators: Richard Gilroy, MBBS, Intermountain
Medical Center, Murray, UT, USA and Juan Carlos
Caicedo, MD, Northwestern Medicine, Chicago, IL,
USA

7:00 am Gender Based Disparity in Transplant Access and Outcomes – Bias or Biology?
Kimberly Forde, MD, MHS
University of Pennsylvania
Philadelphia, PA, USA

7:25 am Pragmatic Trials in Dialysis Facilities to Increase Early Access to Kidney Transplantation
Rachel Patzer, PhD
Emory University
Atlanta, GA, USA

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

7:50 am **Developing Cultural Competency in Transplant Centers to Improve Access to Transplantation**

*Elisa Gordon, PhD, MPH
Northwestern University
Chicago, IL, USA*

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.*

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)**

*B. Nashan, H. Tedesco, M. van den
Hoogen, S. Berger, D. Cibrik, S.
Mulgaonkar, D. Leaser, R. Alloway, A.
Patel, J. Pratschke, C. Sommerer, A.
Wiseman, A. van Zuilen, U. Laessing, J.
Rush, B. Haraldsson, O. Witzke. Basel,
Switzerland.*

9:00 am **Superior Outcomes Using Normothermic Regional Perfusion in CDCD Liver Transplantation (Abstract #401)**

*A. Hessheimer, E. Coll, A. Valdivieso,
M. Gómez, J. Santoyo, P. Ramírez, M.
A. Gómez-Bravo, R. López-Andujar, J.
Villar, C. Jiménez, F. Lluís, L. Lladó, D.
Casanova, M. Barrera, R. Charco, J. A.
López-Baena, J. Briceño, F. Pardo, G.
Blanco, D. Pacheco, B. Domínguez-Gil,
V. Sánchez-Turrión, C. Fondevila. Madrid,
Spain.*

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**

Tuesday, June 5

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

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, Peidmont 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

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

12:15 pm How Decisions Can Be Optimized: Resources at Your Disposal
George Loss, MD, PhD
Ochsner Multi-Organ Transplant Center
New Orleans, LA, USA

Liver Transplantation Versus Simultaneous Liver Kidney Transplantation: Choosing The Road Less Traveled

Room 611-614

Moderators: Srinath Chinnakotla, MD, MBA, University of Minnesota Medical School, Minneapolis, MN, USA and Sumeet Asrani, Baylor, Dallas, TX, USA

11:15 am The AKI/CKD Continuum: The Changing Toolbox to Assess Renal Function
Hassan Abraham, MD, MS
Houston Methodist Hospital
Houston, TX, USA

11:45 am How to Avoid Futility: A Surgical Perspective On Managing Risk with SLKT
Timucin Taner, MD, PhD
Mayo Clinic College of Medicine
Rochester, MN

12:15 pm Impact of The New SLKT Policy: Lessons Learned
Jon Snyder, PhD
Minneapolis Medical Research Foundation
Minneapolis, MN, USA

Broader Sharing in Liver Transplantation: Current Proposals for Allocation and Metrics

Room 602-604

Moderators: Seth Karp, MD, Vanderbilt University, Nashville, TN, USA and Raymond Lynch, MD, Emory University, Decatur, GA, USA

11:15 am Current Proposals for Liver Transplant Allocation: Rationale and Implications
James Trotter, MD
Baylor University Medical Center
Dallas, TX, USA

11:45 am Evaluating Access to A Transplant Waitlist and Impact On Demand Metrics
Raymond Lynch, MD
Emory University
Decatur, GA, USA

12:15 pm Population-Based Metrics Versus Wait-Listed Metrics of Demand
David Goldberg, MD, MSCE
University of Pennsylvania
Philadelphia, PA, USA

Damn the Torpedoes: Donors with HIV, HCV, and HBV

Hall 4B

Moderators: Lara Danziger-Isakov, MD, MPH, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, USA and Elizabeth Verna, MD, Columbia University, New York, NY, USA

11:15 am Donors with HIV
Elmi Muller, MD
University of Cape Town
Observatory, South Africa

11:45 am Donors with HCV
David Goldberg, MD, MSCE
University of Pennsylvania
Philadelphia, PA, USA

12:15 pm Donors with HBV
Michele Morris, MD, FACP, FIDSA
University of Miami
Miami, FL, USA

Pancreas Transplantation: How I Do It?

Room 618-620

Moderators: Randall Sung, MD, University of Michigan, Ann Arbor, MI, USA and Carlton Young, MD, University of Alabama at Birmingham, Birmingham, AL, USA

11:15 am Repeat Pancreas Transplantation
Jonathan Fridell, MD
Indiana University
Indianapolis, IN, USA

11:45 am Deceased Donor Selection and Operative Techniques
Raja Kandaswamy, MD
University of Minnesota
Minneapolis, MN, USA

Tuesday, June 5

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

12:15 pm Diagnosis and Management of Allograft Dysfunction

*Jon Odorico, MD
University of Wisconsin
Madison, WI, USA*

Bench to Bedside - Overcoming Complement in Transplant Rejection

Room 606-607

Moderators: Bryna Burrell, PhD, Immune Tolerance Network, Bethesda, MD, USA and Robert Fairchild, PhD, Cleveland Clinic, Cleveland, OH, USA

11:15 am Basic Science

*William Baldwin, MD, PhD
Cleveland Clinic Main Campus, Lerner Research Institute
Cleveland, OH, USA*

11:45 am Translational Science

*Peter Heeger, MD
Icahn School of Medicine at Mount Sinai
New York, NY, USA*

12:15 pm Clinical Science

*Robert Montgomery, MD, DPhil, FACS
New York University Langone Health
New York, NY, USA*

New Aspects of Immune Memory

Room 6E

Moderators: Thomas Wekerle, MD, Medical University of Vienna, Vienna, Austria and Donna Farber, PhD, Columbia University, New York, NY, USA

11:15 am Innate Memory Cells

*Ross Kedl, PhD
University of Colorado
Aurora, CO, USA*

11:45 am Regulatory T Cell Memory

*Daniel Kreisel, MD, PhD
Washington University in St. Louis
St. Louis, MO, USA*

12:15 pm Pregnancy Induced T Cell Memory

*Anita Chong, PhD
University of Chicago
Chicago, IL, USA*

The Transplant Therapeutics Consortium: Progress in Bringing New Therapies to Patients

Room 608-609

Moderators: Ulf Meier-Kriesche, MD, FAST, Veloxis Pharmaceuticals, Cary, NC, USA and Renata Albrecht, MD, FDA, Silver Spring, MD, USA

11:15 am Exploration of New Study Endpoints and Development of Biomarkers as Tools to Facilitate Drug Development in Transplantation

*Kenneth Newell, MD, PhD
Emory University
Atlanta, GA, USA*

11:45 am Considerations in Drug Safety Profiles and the Implications for Relabeling Existing Agents

*Mark Stegall, MD
Mayo Clinic
Rochester, MN, USA*

12:15 pm Identification and Use of Existing Datasets for the Purposes of Validating New Endpoints and Defining Safety Profiles

*Matthew Everly, PharmD
Terasaki Research Institute
Los Angeles, CA, USA*

Efforts to Reduce Organ Discards – Summary of the NKF's Consensus Conference

Room 6A

Moderators: Stephen Pastan, MD, Emory University, Atlanta, GA, USA and Matthew Cooper, MD, Georgetown Transplant Institute, Washington, DC, USA

11:15 am Donor Evaluation and Procurement

*Ryutaro Hirose
University of California San Francisco
San Francisco, CA, USA*

11:45 am Recipient Selection and Allocation

*John Friedewald, MD
Northwestern University
Chicago, IL, USA*

12:15 pm Education and Research Opportunities

*Jesse Schold, PhD
Cleveland Clinic
Cleveland, OH, USA*

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

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

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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)

M. Fribourg, C. Fischman, L. Anderson, B. Burrell, P. Heeger, P. Cravedi. New York; Bethesda.

2:42 pm Single-Cell Analysis of Graft Infiltrating T-Cells in Cardiac Allograft Vasculopathy (Abstract #404)

Marlena V. Habal, April Myung, Hanying Yan, Samhita Rao, Sijie Lin, Paolo Colombo, Charles Marboe, Susan Restaino, Arnold Han, Maryjane Farr, Emmanuel Zorn. New York, NY.

2:54 pm Donor Reactive Eomesdermin^{hi} CD8⁺ T Cells Are Significantly Upregulated Early after Transplant in Kidney Transplant Patients without Rejection (Abstract #405)

Angelica Perez-Gutierrez, Diana M. Metes, Sundaram Hariharan, Angus W. Thomson, Mohamed B. Ezzelarab. Pittsburgh, PA; Chicago, IL.

3:06 pm A Transcriptomic Signature in PBMC from Kidney Transplant Recipients at Baseline Predicts Early Acute Rejection (Abstract #406)

Weijia Zhang, Zhengzi Yi, Paolo Cravedi, Li Li, Karen L. Keung, Chengguo Wei, Madhav C. Menon, Joel Dudley, Philip J. O'Connell, Barbara Murphy. New York, NY; Sydney, Australia.

3:18 pm Allogeneic T Follicular and T Conventional Responses Assessed by Proliferation, Cytokine Production, and TCR Clonality (Abstract #407)

Camila Macedo, Masaki Yamada, Xinyan Gu, Martin Suchoroski, David Hamm, Ian M. Kaplan, Diana Metes. Pittsburgh; Seattle.

3:30 pm Pro-Inflammatory B Cells Predict Progressive Minimal Early Renal Allograft Inflammation Which is Associated with Poor Graft Outcomes (Abstract #408)

Akhil Sharma, A. Cherukuri, D. Chittka, R. Mehta, S. Hariharan, David Rothstein. Pittsburgh.

3:42 pm Molecular Assessment of Pre-Implantation Donor Biopsies: Effects of Prolonged Cold Ischemia Time and Development of Delayed Graft Function (Abstract #409)

E. Akalin, Y. Bao, V. S. Bontha, M. B. e Silva, M. Ajaimy, P. Ó Broin, V. Mas. Bronx; Charlottesville; Galway, Ireland.

Chronic Graft Injury

Room 606/607

Chairs: Martina McGrath, Brigham and Women's Hospital, Boston, MA, USA and Anna Valujskikh, The Cleveland Clinic, Cleveland, OH, USA

2:30 pm Respiratory Viral Infections Induces Exosomes and Antibodies to Lung Self-Antigens, K α 1Tubulin and Collagen V, Following Human Lung Transplantation (Abstract #410)

M. Gunasekaran, S. Bansal, M. Sharma, R. Walia, 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.

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- 2:54 pm Upregulated IL-33 in Heart Transplants Modulates Local Myeloid Populations to Protect against Chronic Allograft Rejection (Abstract #412)**
Z. Zhang, Q. Liu, G. Hussey, J. Dziki, L. R. Mathews, H. Dai, G. K. Dwyer, A. L. Lucas, M. Oberbarnscheidt, S. Badylak, Heth Turnquist. Pittsburgh, PA.
- 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 M. 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)**
Takafumi 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)**
Katarzyna D. Bera, M. Letizia LoFaro, Honglei Huang, Sergei Maslau, Rutger J. Ploeg. Oxford, United Kingdom.
- 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.

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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)**
Douglass 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)**
Supreet Sethi, Reiad Najjar, Alice Peng, Ashley Vo, Stanley Jordan, Edmund Huang. Los Angeles.

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.

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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 Adebisi, Tim Taber, William Goggins, Dennis Mishler, Muhammad Yaqub, Asif Sharfuddin. Indianapolis, IN.

3:06 pm Prevalence and Impact of CYP3A5 Genomic Variations 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, Weihau 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 Adebisi. 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)

A. Scelma, M. C. Perrier, O. Lortholary, S. Girerd, C. Kerleau, V. Garrigues, F. Buron, N. Kamar, C. Legendre, Y. Bouatou, C. Lefaucheur, M. Giral, A. Loupy. Paris, France.

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)

John Lee, Philip Burnham, Darshana Dadhania, Michael Heyang, Fanny Chen, Manikkam Suthanthiran, Iwijn De Vlaminc. New York, NY; Ithaca, NY.

3:06 pm Proton-Pump Inhibitor Utilization is Associated with Higher Rates of *Clostridium difficile* Infection and Hypomagnesemia after Kidney Transplant (Abstract #441)

Gretchen M. Kipp, Karly A. Dancsecs, Amber D. Lapping. Pittsburgh, PA.

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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.

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.

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.

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. Leiser, Sandip Kapur, John D. Piepert, Dorry Segev, Gareth D. Hil, Amy D. Waterman. Cleveland, OH; Baltimore, MD; Babylon, NY; Los Angeles, CA; Greenville, NC; New York, NY.

2:42 pm **Temporal Changes in the Characteristics and Sensitization of Kidney Paired Donation Registrants (Abstract #446)**
Courtenay Holscher, Kyle Jackson, Alvin Thomas, Christine Haugen, Sandra DiBrito, Matthew Ronin, Amy Waterman, Allan Massie, Jacqueline Garonzik Wang, Dorry Segev. Baltimore; New York; Los Angeles.

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.

3:06 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.

3:30 pm **Early Graft Losses in National PKE Programs: Gone, but Lost Forever? (Abstract #450)**
Jennifer Verbese, Amy Waterman, Jeffrey Veale, Stuart Flechner, Basit Javaid, Matt Ronin, Gareth 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.

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Kidney: Acute Cellular Rejection

Room 6A

Chairs: Michael Mengel, University of Alberta, Edmonton, AB, Canada and Clifford Miles, MD, University of Nebraska Medical Center, Omaha, NE, USA

- 2:30 pm Non-Invasive Diagnostic of Renal Allograft Rejection via Urine Metabolites Using NMR-Spectroscopy (Abstract #452)**
Miriam C. Banas, Sindy Neumann, Philipp Pagel, Dominik Chittka, Volker Pfahlert, Bernhard Banas. Regensburg, Germany.
- 2:42 pm Unique Gene Expression Signatures in Urine Distinguish BK Virus Nephropathy from Acute Rejection in Kidney Transplant Patients with Graft Dysfunction (Abstract #453)**
Karen S. Keslar, Paige J. Gotwald, Wenjie Xu, Anna A. Zmijewska, Jianguo Chen, Kenneth A. Newell, Peter S. Heeger, Jonathan S. Bromberg, Roslyn B. Mannon, Robert L. Fairchild, The CTOT Consortium. Cleveland, OH; Seattle, WA; Birmingham, AL; Atlanta, GA; New York, NY; Baltimore, MD.
- 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)**
P. F. Halloran, J. Reeve, The INTERCOMEX Study Group. Edmonton, Canada.

- 3:18 pm Early Microcirculation Inflammation Associated with TCMR Leads to Poor Graft Outcomes in Kidney Transplant Recipients (KTRs) (Abstract #456)**
Aravind Cherukuri, D. Chittka, R. Mehta, A. Sharma, P. Sood, Sundaram Hariharan. Pittsburgh.
- 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)**
S. Chandran, J. Leung, Z. Laszik, Q. Tang, C. Hu, M. Sarwal, F. Vincenti. San Francisco.

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)**
D. Abdelwahab, H. Khamash, S. Kriegshauser, R. Heilman, M. Smith. Phoenix.

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- 2:54 pm Intragraft Gene Expression Differentiates Polyomavirus Nephropathy from T-Cell Mediated Rejection (Abstract #461)**
Benjamin Adam, Siegfried Wagner, Jan Hinrich Bräsen, Verena Bröcker, Vivette D'Agati, Cinthia Drachenberg, Evan Farkash, Alton Brad Farris, Laurette Geldenhuys, Alex Magil, Volker Nickenleit, 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)**
Agathe Vermorel, Arnaud Devresse, Claire Tinel, Virginia Sauvaget, Lise Morin, Lucile Amrouche, Marion Rabant, Dany Anglicheau. Paris, France.
- 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)**
B. Handan Ozdemir, Sebnem Ayva, Aysen Terzi, Alev Ok Atilgan, Eda Akcay, Ebru H. Ayvazoglu Soy, F. Nurhan Ozdemir, Mehmet Haberal. Ankara, Turkey.
- 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 Ferrareso. 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.

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3:06 pm Are Deceased Donor Characteristics Associated with Liver Graft Failure among Low MELD Patients Receiving a Liver Transplant Changing (Abstract #469)
K. Atiemo, A. Skaro, R. Craig-Schapiro, S. Montag, L. B. VanWagner, M. Abecassis, J. Levitsky, L. Zhao, D. Ladner. Chicago; London, Canada.

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)
Naftali Presser, Joseph DiNorcia, Vatche Agopian, Hasan Yersiz, Douglas Farmer, Ronald Busuttill, Fady Kaldas. Los Angeles, CA.

3:30 pm Donation after Circulatory Death Donor Liver Transplantation without Ischemic Cholangiopathy: Is It Time to Expand DCD Liver Donor Pool? (Abstract #471)
Chandrashekhar Kubal, Plamen Mihaylov, Burcin Ekser, Ariana Cabrales, Jonathan Fridell, Richard Mangus. Indianapolis; Lombardy, Italy.

3:42 pm Liver Transplantation Using Pediatric versus Adult Donor Grafts in Adult Recipients (Abstract #472)
Yunhua Tang, Qiang Zhao, Zhiheng Zhang, Linhe Wang, Weiqiang Ju, Zebin Zhu, Shanzhou Huang, Zhiyong Guo, Xiaoshun He, Guodong Chen. Guangzhou, Guangdong, China.

Non-Organ Specific: Economics, Public Policy, Allocation, Ethics - 2

Room 4C-4

Chairs: Howard Nathan, Gift of Life Philadelphia, Philadelphia, PA, USA and Makoto Ogihara, MD, The Queens Medical Center, Honolulu, HI, USA

2:30 pm A Calculator for Kidney Transplant Waitlist Outcomes under the New Kidney Allocation System (Abstract #473)
Allyson Hart, N. Salkowski, A. Matas, B. Kasiske, J. Snyder, Ajay Israni. Minneapolis.

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.

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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)

Sandesh Parajuli, S. Alagusundaramoorthy, F. Aziz, N. Garg, R. Redfield, H. Sollinger, D. Kaufman, A. Djamali, J. Odorico, D. Mandelbrot. Madison, WI.

3:06 pm Enteric Conversion after Bladder-Drained Pancreas Transplantation: The Wisconsin Experience (Abstract #483)

Joel T. Adler, Robert R. Redfield, Dixon B. Kaufman, Jon S. Odorico, Hans W. Sollinger. Madison, WI.

3:18 pm A Novel Approach to Preserve Pancreatic Islet Grafts in Extrahepatic Space for Reversal of Diabetes Using Parathyroid Gland Co-Transplantation (Abstract #484)

Casey Ward, Gaetano Faleo, Gopika Nair, Quan Duh, Mathias Hebrok, Wenhan Chang, Peter Stock, Qizhi Tang. San Francisco, CA.

3:30 pm Ten Year Follow-Up of Islet Recipients on Anti-LFA1 Therapy: Over-Immunosuppression Leads to Operational Tolerance? (Abstract #485)

James Gardner, Andrew Posselt, Steven Wisel, Umesh Mashirani, Greg Szot, Vinh Nguyen, Kristina Johnson, Joan McElroy, Qizhi Tang, Peter Stock. San Francisco, CA.

3:42 pm Improved Long-Term Outcomes of Pancreas Transplantation: Analysis of Allograft Half-Lives and Predictive Demographic Factors (Abstract #486)

Anna M. Adamusiak, Raja Kandaswamy, Ty B. Dunn, Samy Riad, Erik B. Finger. Minneapolis, MN.

T Cell Biology

Room 618/619/620

Chairs: Roslyn Mannon, MD, Univ Alabama-Birmingham, Birmingham, AL, USA and Elaine Reed, Ph.D., University of California Los Angeles, Los Angeles, CA, USA

2:30 pm Ablation of Both mTOR and STAT3 in T Cells Induces Heart Transplant Acceptance in Donor Skin-Sensitized Mice (Abstract #487)

Aini Xie, Wenhao Chen. Wuhan, Hubei, China; Houston, TX; New York, NY.

2:42 pm CD4 T Cells Require Both S1PR1 and S1PR4 for Afferent Lymphatic Migration (Abstract #488)

Y. Xiong, W. Piao, C. C. Brinkman, L. Li, J. Kulinski, A. Olivera, A. Cartier, T. Hla, S. Schwab, K. L. Hippen, B. R. Blazar, Jonathan Bromberg. MD; MA; NY; MN.

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 Busuttill, Jerzy Kupiec-Weglinski, Yuan Zhai. Los Angeles, CA; Nanjing, Jiangsu, China.

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3:06 pm Lymphatic Endothelium Requires S1PR2 for T Cell Transendothelial Migration (Abstract #490)
Y. Xiong, W. Piao, C. C. Brinkman, L. Li, J. Kulinski, A. Olivera, A. Cartier, T. Hla, S. Schwab, K. L. Hippen, B. R. Blazar, Jonathan Bromberg. MD; MA; NY; MN.

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)
Lushen Li, T. Simon, W. Piao, Y. Xiong, V. Saxena, T. Zhang, C. Wagner, Jonathan Bromberg. Baltimore, MD.

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.

Featured Multidisciplinary Transplant Professionals Symposium III

2:30 pm – 6:00 pm

Transplantation in Older Adults – Part I

Room 611-614

Moderators: Tracy Sparkes, PharmD, University of Maryland Medical Center, Baltimore, MD, USA and Holly Strain, RN, BSN, CCTC, University of Colorado, Aurora, CO, USA

2:30 pm Cognitive Screening/Management
*Michelle Jesse, PhD
Henry Ford Health System
Detroit, MI, USA*

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*

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5:10 pm Other Medication Concerns with Older Recipients

*Kristen Szempruch, PharmD, BCPS
University of North Carolina Medical Center
Chapel Hill, NC, USA*

5:30 pm Discussion

Pediatric Symposia

2:30 pm – 6:00 pm

Tolerance in Children and Improving Graft Longevity in Pediatric Transplantation

Room 615-617

Moderators: Dean Kim, MD, Henry Ford Health System, Detroit, MI, USA and George V. Mazariegos, MD, Children's Hospital of Pittsburgh, Pittsburgh, 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*

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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)

Jean Pierre Assaker, Anand Srivastava, James Hurley, Basmah S. Al Doujailan, Siawosh K. Eskandari, Christine Coticchia, Maha Mohamed, Stephan Bentink, Vasisht Tadigotla, Leonardo V. Riella, Anil Chandraker, Johan Skog, Jamil R. Azzi. Boston; Cambridge.

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)

Sevda Hassan, Fiona Regan, Colin Brown, Andrea Harmer, Nicky Anderson, Eva Santos, Paul Brookes, David Taube, Michelle Willicombe. London, United Kingdom.

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. Odum, M. Brown, D. Ikle, B. Armstrong, J. Charette, S. Brietigam, N. Sustento-Reodica, L. Zhao, M. Kandpal, D. Salomon, M. Abecassis. Chicago; La Jolla; Scottsdale; Cleveland; Charleston; Bethesda; Chapel Hill.

5:18 pm Unbiased Sequencing of Urine Cell-Free DNA (cfDNA) to Evaluation Urine Virome and Associated Renal Allograft Damage (Abstract #498)

D. Dadhania, P. Burnham, J. Lee, C. Snopkowski, C. Li, S. Albakry, H. Yang, T. Muthukumar, I. De Vlaminck, M. Suthanthiran. NY, NY; Ithaca, NY.

5:30 pm Urinary C5b-9 is an Independent Predictor of Graft Failure in Renal Transplant Recipients (Abstract #499)

Rosa G. M. Lammerts, Michele F. Eisenga, Mohammed Alyami, Marc A. J. Seelen, Mohamed R. Daha, Jaap van den Born, Stephan J. L. Bakker, Stefan P. Berger, On behalf of the COMBAT Consortium. Groningen, Netherlands.

5:42 pm DSA with TCMR Identifies High Risk Renal Transplant Recipients That Can Be Predicted by Proinflammatory Transitional B Cells (Abstract #500)

Dominik Chittka, Aravind Cherukuri, Akhil Sharma, Rajil Mehta, Sundharam Hariharan, David Rothstein. Pittsburgh.

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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)

Siawosh K. Eskandari, Mariane Bandeira Melo, Jean Pierre Assaker, Amr Mansouri, Songjie Cai, Basma S. Al Dulaijan, Maha Mohamed, Darrell J. Irvine, Jamil R. Azzi. Boston, MA; Cambridge, MA.

4:54 pm PGE2/Beta-Catenin/XBP1 Signaling Controls Mesenchymal Stem Cell-Mediated Immune Regulation in Liver Ischemia and Reperfusion Injury (Abstract #503)

Changyong Li, Shi Yue, Longfeng Jiang, Qiang Zhu, Doug G. Farmer, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski, Bibo Ke. Los Angeles, CA.

5:06 pm Ex Vivo-Expanded Human CD19⁺CD73⁻CD25⁺CD71⁺TIM-1⁺ B Regulatory Cells Can Prolong Allograft Survival in a Humanized Mouse Model of Skin Transplantation and Are Dependent on TIM-1-Mediated Regulation of STAT3 Signaling (Abstract #504)

Sushma Shankar, Jessica Stolp, Stephen C. Juvet, Joanna Hester, Kathryn J. Wood. Oxford, United Kingdom; Sydney, Australia; Toronto, Canada.

5:18 pm Confirmation of the Feasibility of Ex Vivo Creation of a Novel Human Multi-Chimeric Cells Therapy for Tolerance Induction in Vascularized Composite Allotransplantation (Abstract #505)

Joanna Cwykiel, George Rafidi, Maria Siemionow. Chicago, IL.

5:30 pm Ex Vivo Expanded Regulatory T Cells Combined with Short-Term Costimulation Blockade Prevent Rejection of Vascularized Composite Allografts (Abstract #506)

Byoung Chol Oh, Georg J. Furtmüller, Michael Grzelak, Linh Vuong, Marcos Iglesias, Madeline Fryer, Damon S. Cooney, W. P. Andrew Lee, Giorgio Raimondi, Gerald Brandacher. Baltimore; St. Louis.

5:42 pm Curative Correction of FAH Deficiency by Chimeric Stem Cells Transplantation (Abstract #507)

Dong Jin Joo, Erek Nelson, Yi Zhang, Bruce Amiot, Sam Ho, Cheryl Lancto, Daniel F. Carlson, Luis M. Queiroz, Scott Nyberg. Rochester, MN; Seoul, Korea; Ann Arbor, MI; Saint Paul, MN; Mount 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 Heinzl, Alexander Kainz, Kira Jelencsics, Ondrej Viklicky, Georg Böhmig, Gottfried Fischer, Brendan Keating, Rainer Oberbauer. Vienna, Austria; Prague, Czech Republic; Philadelphia, PA.

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4:42 pm Presence of Donor Specific Antibodies is Associated with Accelerated Podocyte Detachment (Abstract #509)

Abhijit S. Naik, Jawad Aqeel, Diane Cibrik, Milagros Samaniego, Su Wang, Mahbood Chowdhury, Farsad Afshinnia, Roger C. Wiggins. Ann Arbor; Kansas City.

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)

Jennifer L. Beaumont, Kimberly P. Briley, Angela Q. Maldonado, Carl E. Haisch, Paul Bolin, Scott A. Kendrick, Heather Jones, Kristel McLawhorn, David Leeser, Lorita M. Rebellato, Matthew J. Everly. Los Angeles, CA; Greenville, NC.

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

Matthew J. Everly, Kimberly P. Briley, Anh Nguyen, Vadim Jucaud, Angela Q. Maldonado, Carl E. Haisch, Paul Bolin, Scott A. Kendrick, Heather Jones, Kristel McLawhorn, David Leeser, Lorita M. Rebellato. Los Angeles; Greenville, NC.

Kidney Donor Selection / Management Issues - 2

Room 6E

Chairs: Amy Evenson, MD, MPH, Beth Israel Deaconess Medical Center, Boston, MA, USA and Hans Albin Gritsch, MD, University of California Los Angeles (Urology), Los Angeles, CA, USA

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

Vadim Jucaud, Lorita M. Rebellato, Kimberly P. Briley, Angela Q. Maldonado, Carl E. Haisch, Paul Bolin, Scott A. Kendrick, Heather Jones, Kristel McLawhorn, David Leeser, Matthew J. Everly. Los Angeles, CA; Greenville, NC.

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.

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- 5:18 pm** **Increasing the Donor Pool for Highly Sensitized Patients with Allele Specific Antibodies: Optimizing the Virtual Crossmatch (vXM) (Abstract #519)**
Aiwen Zhang, Ziad Zaky, Joseph Africa, Derek Good, Robert Bray, Howard Gebel. Cleveland; Charleston; Atlanta.
- 5:30 pm** **Outcome of Second Kidney Transplantation According to Previous Pediatric Donor Type: A Retrospective Cohort Analysis (Abstract #520)**
Kornthip Phonphok, Tin Duong, Sunee Panombualert, Suphamai Bunnapradist. Los Angeles, CA.
- 5:42 pm** **Expression of the Senescence Marker P16/INK4A in Kidney Implantation Biopsies is Uniquely Associated with Poor Late Graft Function (Abstract #521)**
Konrad S. Famulski, Philip F. Halloran. Edmonton, Canada.
- Kidney Immunosuppression: General Considerations - 2**
- Room 6A**
Chairs: Faris Ahmed, MD, University of Utah, Salt Lake City, UT, USA and Fuad Shihab, MD, University of Utah Sch of Med, Salt Lake City, UT, USA
- 4:30 pm** **Tacrolimus Pharmacokinetics (PK) at Low, Medium, and High Trough Levels in Patients Converted from Twice-Daily Immediate-Release Tacrolimus (TacBID) to Once-Daily Extended-Release Tacrolimus (LCPT) (Abstract #522)**
Paolo Malvezzi, Suphamai Bunnapradist, Daniel Stevens, Misbah Moten, Anna Loh, Samir Patel, Lionel Rostaing. La Tronche, France; Los Angeles, CA; Cary, NC.
- 4:42 pm** **Follow Up of Patients Treated with the IgG Endopeptidase (IdeS) for Desensitization and HLA Incompatible (HLAi) Kidney Transplantation (Abstract #523)**
Stanley Jordan, Jua Choi, Ed Huang, Reiad Najjar, Alice Peng, Xiaohai Zhang, Sabrina Louie, Mark Haas, Supreet Sethi, Irene Kim, Ashley Vo. Los Angeles, CA.
- 4:54 pm** **Efficacy and Safety of Bleselumab in Kidney Transplant Recipients: A Phase 2, Randomized, Open-Label Study (Abstract #524)**
R. Harland, G. Klintmalm, S. Jensik, H. Yang, J. Bromberg, J. Holman, M. S. Anil Kumar, V. Santos, T. J. Larson, X. Wang. Tucson; Dallas; Chicago; Harrisburg; Baltimore; Northbrook.
- 5:06 pm** **A Phase-I Clinical Trial of Donor-Derived MIC Cell Infusion for the Induction of Donor-Specific Hyporesponsiveness after Living Donor Kidney Transplantation (TOL-1 Study) (Abstract #525)**
Christian Morath, Anita Schmitt, Christian Kleist, Volker Daniel, Gerhard Opelz, Caner Süsal, Florian Fälble, Claudia Sommerer, Lei Wang, Martin Zeier, Michael Schmitt, Matthias Schaier, Peter Terness. Heidelberg, Germany.
- 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 Stempora, Allan D. Kirk, He Xu. Durham, NC; Atlanta, GA.

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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; Bonzeman; Boston.

4:54 pm Center Variation in Six-Month Post-Donation Follow-Up of Obese Living Kidney Donors (Abstract #531)

Rhiannon D. Reed, Paul A. MacLennan, Brittany A. Shelton, Margaux N. Mustian, Deanna M. McWilliams, Justin Blackburn, Deirdre Sawinski, Jayme E. Locke. Birmingham, AL; Philadelphia, PA.

5:06 pm Donor Safety in Obese Patients: 1038 Consecutive Robotic Living Donor Nephrectomies (Abstract #532)

Caterina Di Bella, Mario Spaggiari, Kiara Tulla, Pierpaolo Di Cocco, Jose' Oberholzer, Ivo Tzvetanov, Enrico Benedetti. Chicago, IL; Virginia, VA.

5:18 pm Living Kidney Donation: Impact of Transplant Center Labor, Organization, and Resources (Abstract #533)

Deonna Moore, Mary Dietrich, Peter Buerhaus, James Rodrigue, Ann Minnick. Nashville; Bozeman; Boston.

5:30 pm Few Gender Differences in Attitudes and Experiences after Live Kidney Donation, with Minor Changes over Time (Abstract #534)

Jonas Wadström, Bengt von Zur-Mühlen, Shinji Yamamoto. Huddinge, Sweden; Doha, Qatar; Uppsala, Sweden.

5:42 pm The Living Donor Lost Wages Trial: Study Rationale, Protocol, and Update (Abstract #535)

James R. Rodrigue, Martha Pavlakis, Amy Evenson, Aaron Fleishman, Michaela Carroll, Didier Mandelbrot, Prabhakar Baliga, David Howard, Jesse Schold. Boston, MA; Madison, WI; Charleston, SC; Atlanta, GA; Cleveland, OH.

Kidney: Perioperative Considerations

Room 303

Chairs: Raymond Heilman, Mayo Clinic Hospital, Phoenix, AZ, USA and Jason Wellen, MD, MBA, Washington University School of Medicine, Saint Louis, MO, USA

4:30 pm Dialysis Modality, Inflammation, and Frailty in Kidney Transplant Candidates (Abstract #536)

Prakriti Shrestha, Hao Ying, Mara McAdams DeMarco, Dorry Segev. Baltimore, MD.

4:42 pm The Impact of Aorto-Iliac Calcifications on Patient and Graft Survival in Renal Transplant Recipients Using the TASC II Classification (Abstract #537)

A. A. Rijkse, M. A. van der Zijden, J. I. Roodnat, S. Ten Raa, D. C. Bijdevaate, K. Muller, J. N. M. IJzermans, H. J. A. N. Kimenai, R. C. Minnee. Rotterdam, Netherlands.

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.

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- 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)**
Laura McPherson, Rich Mutell, Paul Broughton, Mohua Basu, Jennifer C. Gander, Stephen O. Pastan, Rachel E. Patzer. Atlanta, GA; Simi Valley, CA.
- 5:42 pm Rituximab Interference in B-Cell Crossmatch: A Problem Solved (Abstract #542)**
Paolo Malvezzi, Ornella Senoussi, Thomas Jouve, Celine De Palma, Lionel Rostaing, Beatrice Bardy, Dominique Masson. Grenoble, France.
- Liver: Hepatocellular Carcinoma and Other Malignancies**
Room 6C
Chairs: C. Kristian Enestvedt, Oregon Health & Science University, Portland, OR, USA and John Lake, MD, University of Minnesota, Minneapolis, Minnesota, USA
- 4:30 pm Liver Transplantation for Patients with Hepatocellular Carcinoma Presenting beyond Milan Criteria: Analysis of 789 Patients from the US Multicenter HCC Transplant Consortium (Abstract #543)**
Vatche G. Agopian, United States Multicenter HCC Transplant Consortium. LA.
- 4:42 pm Improving Prognostication amongst Patients Undergoing Liver Transplantation for Hepatocellular Carcinoma: An International, 16-Center Study to Validate and Recalibrate HALTHCC (Abstract #544)**
D. J. Firl, K. Sasaki, S. Kimura, W. Dumronggittigule, A. Gorgen, J. Lerut, M. Rossi, U. Cillo, A. Viveiros, E. Tsochatzis, G. Otto, G. M. Ettorre, G. Tisone, M. Vivarelli, S. Agnes, J. F. Markmann, T. Ikegami, T. Kaido, G. Sapisochin, V. G. Agopian, Q. Lai, Federico Aucejo. Cleveland; Boston; LA; Toronto, Canada; Louvain, Belgium; Rome, Italy; Padua, Italy; Innsbruck, Austria; London, United Kingdom; Mainz, Germany; Torrette Ancona, Italy; Kyoto, Japan; Kyushu, Japan.
- 4:54 pm Influence of Initial Tumor Burden and Wait Times on Post-Transplant Outcomes after Down-Staging of Hepatocellular Carcinoma (HCC) (Abstract #545)**
Neil Mehta, Jennifer Dodge, Francis Y. Yao. San Francisco.
- 5:06 pm HLA-DR4 Matching and Hepatocellular Carcinoma Recurrence after Liver Transplantation (Abstract #546)**
Min Xu, Sandra Garcia-Aroz, Neeta Vachharajani, Yiing Lin, William C. Chapman. St. Louis, MO.

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

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, Jérôme Dumortier, GReF2. Herouville St-Clair, France; Caen, France; Lyon, France.

5:30 pm Post-Transplant Outcomes under the New HCC Exception Policy (Abstract #548)

Tanveen Ishaque, Allan Massie, Christine Haugen, Dorry Segev. Baltimore, MD.

5:42 pm Financial Burden of Liver Transplant vs Resection for HCC (Abstract #549)

James Butler, Nicholas Skill, Chandrashekhar Kubal, Daniel O'Brien, Joshua Kays, Jonathan Fridell, Mary Maluccio. Indianapolis, IN.

Liver: Living Donors and Partial Grafts

Room 608/609

Chairs: Mark Cattral, MD MSc, Toronto General Hospital, University Health Network, Toronto ON, ON, Canada and Julie Heimbach, MD, Mayo Clinic, Rochester, MN, USA

4:30 pm Split/Reduced Liver Grafts in Adult Liver Transplantation, No Longer a Risk for Graft Loss (Abstract #550)

Kazunari Sasaki, Daniel Firl, John McVey, Giuseppe Iuppa, Masato Fujiki, Teresa Diago Uso, Federico Aucejo, Bijan Eghtesad, Cristiano Quintini, Charles Miller, Koji Hashimoto. Cleveland, OH.

4:42 pm Long-Term Medical, Financial, Psychosocial, and Overall Health-Related Quality of Life after Living Donation in Liver Transplantation (Abstract #551)

Juliet Emamaullee, Linda Sher, Tse-Ling Fong, Kiran Dhanireddy, Shannon Zielsdorf, Christian Romero, Niquelle Wade, Yuri Genyk. Los Angeles, CA.

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

Jinsoo Rhu, Gyu Seong Choi, Jong Man Kim, Jae-Won Joh, Choon Hyuck David Kwon, Sang Jin Kim. Seoul, Republic of Korea.

5:06 pm LDLT for High MELD Recipients: A Single Center Experience (Abstract #553)

Swaytha Ganesh, Michele Molinari, Tevar Amit, Hughes Christopher, Humar Abhinav. Pittsburgh, PA.

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

Hillary J. Braun, Jennifer L. Dodge, Josh D. Grab, Shareef M. Syed, Garrett R. Roll, Chris E. Freise, John P. Roberts, Nancy L. Ascher. San Francisco, CA.

5:30 pm Effect of HLA Antibodies on Graft Survival in Adult Live Donor Liver Transplantation (Abstract #555)

Mary Ann Simpson, Mohamed E. Akoad, Fredric D. Gordon, Yee-Lee Cheah, Caroline J. Simon, James J. Pomposelli, Elizabeth A. Pomfret. Burlington, MA; Aurora, CO.

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)

Shugo Mizuno, Atsuhiko Nakatsuka, Aoi Hayasaki, Utsuke Iizawa, Hiroyuki Kato, Yasuhiro Murata, Akihiro Tanemura, Naohisa Kuriyama, Yoshinori Azumi, Masashi Kishiwada, Masanobu Usui, Hiroyuki Sakurai, Hajime Sakuma, Shuji Isaji. Tsu, Japan.

Tuesday, June 5

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

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- β Promotes Regulatory T Cell (Treg) Induction and Prolongs Allograft Survival (Abstract #557)

M. Fribourg, M. McGinty, A. Angeletti, M. Demir, S. C. Sealfon, P. S. Heeger, P. Cravedi. New York.

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)

J. Wedel, K. Liu, P. T. Sage, M. Laplante, D. M. Briscoe. Boston; Quebec, Canada.

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)

Basmah S. Al Dulaijan, Siawosh K. Eskandari, Jordan Karnyski, Jean Pierre Assaker, Songjie Cai, Amr Mansouri, Maha Mohamed, Jamil R. Azzi. Boston, MA.

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)

Kanishka Mohib, Aranvind Cherukuri, Yu Zhou, Rothstein M. David. Pittsburgh, PA.

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.

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

- 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)**
Allison J. Kwong, Anji E. Wall, Marc Melcher, Uerica Wang, Aijaz Ahmed, Kiran Khush, Aruna Subramanian, Jane Tan, Paul Y. Kwo. Palo Alto, CA.
- 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)**
J. Knox, H. J. Braun, S. Syeed, K. J. Halazun, G. R. Roll. San Francisco, CA; New York, NY.
- 5:06 pm Cost Impacts of Alternative Kidney Transplant Immunosuppression: A National Cohort Study (Abstract #574)**
Krista L. Lentine, David Axelrod, Vikas R. Dharnidharka, Huiling Xiao, Daniel C. Brennan, Dorry L. Segev, Henry Randall, Rosemary Ouseph, Abhijit S. Naik, Ngan N. Lam, Tarek Alhamad, Bert L. Kasiske, Greg P. Hess, Mark A. Schnitzler. St. Louis; Burlington; Baltimore; Ann Arbor; Edmonton, Canada; Minneapolis; Conshohocken.

Tuesday, June 5

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

5:18 pm Transplant Community Perceptions of the Benefits and Drawbacks of Alternative Quality Metrics for Regulation (Abstract #575)

Sarah Rasmussen, Sheng Zhou, Alvin Thomas, Dorry Segev, Lauren Hersch Nicholas. Baltimore.

5:30 pm Liver Transplantation Outcomes after Share 35: Analysis of NASH Recipients from UNOS Database (Abstract #576)

Yefei Zhang, Maha Boktour. Houston, TX.

5:42 pm The Cost Savings of Preemptive Kidney Transplantation (Abstract #577)

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.

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

4:30 pm Improving the Organ Donation Referral Process through Telemedicine (Abstract #578)

Matt Groveman, Michael Perry, Iris Berman, Natalie Benavides, Amy L. Friedman. NY; New Hyde Park.

4:42 pm Hospital Readmissions Following ABO-Incompatible Live Donor Kidney Transplantation: A National Study (Abstract #579)

Babak Orandi, Xun Luo, Sunjae Bae, Elizabeth King, Jacqueline Garonzik-Wang, Dorry Segev. San Francisco; Baltimore.

4:54 pm Using the SRTR Expected Survival Worksheet to Estimate Expected Number of Events (Abstract #580)

Jon A. Gregg, Karl Womer, Kenneth Andreoni. Gainesville, FL.

5:06 pm Reducing No-Show Rate and Filling Cancelled Appointments: Multi-Faceted Interventions Markedly Reduced Time to Kidney Transplant Evaluation (Abstract #581)

Eric M. Gibney, Katie Payne, Christopher Fowler. Atlanta, GA.

5:18 pm Racing to Activation: Using LEAN Principles to Effectively Manage Your Waitlist with Predicted Improved Outcomes (Abstract #582)

L. Curry, V. Rao, D. Cassidy, V. Rohan, D. Dubay, N. Pilch, S. Gray. Charleston.

5:30 pm Impact of Ambulatory Transplant Pharmacy Services on Outcomes and Readmissions in Adult Abdominal Transplant Recipients (Abstract #583)

K. Joyal, C. Rogers, M. Cote, M. Pavlakis, A. Evenson, V. Patwardhan, K. Richards. Boston, MA.

5:42 pm Medication Reconciliation in Abdominal Transplantation (Abstract #584)

Sarah Todd, Jennie Perryman, Ram Subramanian, Anisha Patel, Michael Hawthorne, Rommel Buenvenida, Kristal Lee, Wanda Allison, Denise Lo, Preeti Reshamwala. Atlanta, GA.

Tolerance: Clinical Studies

Room 210

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

4:30 pm Relationship between Mixed Chimerism and Acceptance of HLA-Matched and Mismatched Kidney Transplants after Withdrawal of Immunosuppressive Drugs (Abstract #585)

John Scandling, Stephan Busque, Robert Lowsky, Judith Shizuru, Kent Jensen, Asha Shori, Ed Engleman, Everett Meyer, Richard Hoppe, Sam Strober. Stanford, CA.

AMERICAN TRANSPLANT CONGRESS

Program, Tuesday, June 5, 2018

4:42 pm Long-Term Follow-Up of a Phase 2 Clinical Trial to Induce Tolerance in Living Donor Renal Transplant Recipients (Abstract #586)
J. Leventhal, J. Galvin, J. Mathew, L. Gallon, D. Stare, K. Kurtenbach, K. Ravindra, M. Horwitz, J. Miller, M. Abecassis, S. Ildstad. Chicago; Louisville; Durham.

4:54 pm PD-L1 May Serve as a Biomarker for Chimerism-Induced Tolerance in Kidney Transplant Recipients (Abstract #587)
Andrea Merchak, Ahmed Khalil, Anita Chhabra, Joseph Leventhal, Suzanne Ildstad. Louisville, KY; Chicago, IL.

5:06 pm Non-Myeloablative Conditioning with Low-Dose Total Body Irradiation in Place of Cyclophosphamide Induces Mixed Chimerism and Long-Term Immunosuppression Free Allograft Survival without Acute Kidney Injury in HLA Mismatched Kidney Transplantation (Abstract #588)
Tatsuo Kawai, Thomas Spitzer, Tetsu Oura, Nina Torkoff-Rubin, Nahel Elias, Megan Sykes, Robert B. Colvin, David H. Sachs, A. Benedict Cosimi. Boston, MA; New York, NY.

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)
Paul Szabolcs, Xiaohua Chen, Albert Donnenberg, Memphis Hill, Jason Rowan, Shawna McIntyre, Geoffrey Kurland, Jessie Barnum, John McDyer. Pittsburgh, PA.

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.

5:42 pm Development of Post-Transplant DSA Following Immunosuppression Minimization/Withdrawal in Liver Transplant Recipients (Abstract #591)
Vadim Jucaud, Abraham Shaked, Michele DesMarais, Peter Sayre, Matthew J. Everly. Los Angeles; Philadelphia, PA; Seattle, WA.

Late Breaking

Room 3AB

Chairs: Meryl 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 Samples) 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)
Rhondalyn McLean, Peter P. Reese, Michael Acker, Peter Abt, Anna Sicilia, Nicole Hornsby, Pavan Atluri, K Rajender Reddy, Emily Blumberg, Vivianna Van Deerlin, David S. Goldberg. Philadelphia.

4:54 pm Interim Results of the kSORT in the SAILOR Randomized Multicenter Trial (Abstract #600)
P. Lindner, A. Shroeder, J. Ekberg, S. Hsieh, P. Towfighi, I. Damm, T. Sigdel, M. Sarwal. Göteborg, Sweden; San Francisco.

Tuesday, June 5

AMERICAN TRANSPLANT CONGRESS
Program, Tuesday, June 5, 2018

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.

ATC Night Out

7:30 pm – 10:30 pm

Museum of Flight - Offsite

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.

AMERICAN TRANSPLANT CONGRESS
Day-at-a-Glance, Wednesday, June 6, 2018

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

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

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Biomarkers of Clinical Transplant Tolerance
Room 6C

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

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

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Hall 4B

10:15 am – 11:30 am

What's Hot, What's New: Overview of Top Presented Abstracts

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Hall 4B

7:00 am – 8:15 am Sunrise Didactic

- Page 120* **The Role of the Microbiome and in Transplant Outcomes**
Room 6E

Wednesday, June 6

AMERICAN TRANSPLANT CONGRESS

Program, Wednesday, June 6, 2018

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**

Difficult Cases in Intestinal Transplantation - An Open Discussion Amongst Major Centers

Room 4C-3

Moderators: Cal Matsumoto, MD, Medstar Georgetown University Hospital, Washington, DC, USA and Douglas Farmer, MD, David Geffen School of Medicine at the University of California, Los Angeles, Los Angeles, CA, USA

7:00 am **Panel Discussion**

Panelists:

Thiago Beduschi, MD
University of Miami
Miami, FL, USA

Kishore Iyer, MBBS, FRCS, FACS
Mount Sinai
New York, NY, USA

Shaheed Merani, MD, PhD
University of Nebraska Medical Center
Omaha, NE, USA

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

Wednesday, June 6

AMERICAN TRANSPLANT CONGRESS

Program, Wednesday, June 6, 2018

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

AMERICAN TRANSPLANT CONGRESS

Program, Wednesday, June 6, 2018

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.

Wednesday, June 6

AMERICAN TRANSPLANT CONGRESS

Program, Wednesday, June 6, 2018

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)

S. Chadban, S. Mulgaonkar, J. Pascual, H. Tedesco, S. Berger, Y. Qazi, C. Legendre, N. Basic-Jukic, P. Bernhardt, F. Vincenti. Livingston; Basel, Switzerland.

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*

Coffee Break in Foyer

10:00 am – 10:15 am

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**
Sai Vineela Bontha, Angela C. Fernandez, Elissa Bardhi, Lorenzo Gallon, Valeria R. Mas, Daniel G. Maluf. Charlottesville; Chicago.
- 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)**
L. Zhao, B. Armstrong, J. Friedewald, T. Whisenant, S. Kurian, R. Heilman, E. Poggio, C. Marsh, P. Baliga, N. Bridges, J. Odim, M. Brown, D. Ikle, J. Charette, S. Brietigam, N. Sustento-Reodica, M. Kandpal, D. Salomon, M. Abecassis. Chicago; Chapel Hill; La Jolla; Scottsdale; Cleveland; Charleston; Bethesda.
- A5 Non-Invasive Proteomics to Detect Biomarkers for Kidney Allograft Dysfunction**
Maura Watson, Meera Srivastava, Dustin Little, Ofer Eidelman, Robert Nee, Alakesh Bera, John Karaian, David Oliver, Harvey Pollard, Rahul M. Jindal. Bethesda, MD.
- A6 Intragraft MicroRNAs Foretell Fibrosis in Kidney Transplant Recipients**
H. Yang, L. Amrouche, K. Akat, C. Li, Z. Khan, C. Tinel, T. Tuschl, D. Anglicheau, T. Muthukumar. New York; Paris, France.
- A7 Urine AngiotensinII Signature Proteins as Biomarkers of Fibrosis in Kidney Transplant Recipients**
Zahraa Mohammed-Ali, Shelby Reid, Tomas Tokar, Alexandre Tavares, Paul Yip, Heloïse 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**
Rocio Laguna-Goya, Alberto Utrero-Rico, Francisco Luis Cano-Romero, Elena Gómez-Massa, Daniel Arroyo, Pilar Auñon-Rubio, Antonio Sevillano-Prieto, María José Castro-Panete, Amado Andrés, Estela Paz-Artal. Madrid, Spain.
- A10 The Likelihood of Re-Transplantation in Patients Undergoing Allograft Nephrectomy**
Gaetano Lucisano, Paul Brookes, Eva Santos-Nunez, Nicola Firmin, Nicola Gunby, Sevda Hassan, Alexander Gueret-Wardle, Michelle Willicombe, David Taube. London, United Kingdom.

- 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. Odum, M. Brown, J. Charette, S. Brietigam, N. Sustento-Reodica, D. Salomon, M. Abecassis. La Jolla; Chicago; Chapel Hill; Scottsdale; Cleveland; Charleston; Bethesda.
- A14** **Elucidating Novel Signatures of Allograft Rejection through Cytometry by Time of Flight (CyTOF) in Kidney Transplant Recipients**
Siawosh K. Eskandari, Basmah S. Al Dulaijan, Jean Pierre Assaker, Leonardo V. Riella, Ahmed T. Kurdi, Jamil R. Azzi. Boston, MA.
- A15** **Validation Study of Operational Tolerance Signatures in Korean Kidney Transplantation Recipients**
Jung-Woo Seo, Yu Ho Lee, Yang Gyun Kim, Ju-Young Moon, Kyung-Hwan Jeong, Chan-Duck Kim, Jae Berm Park, Byung Ha Jeong, Sang-Ho Lee. Seoul, Korea; Daegu, Korea.
- A16** **Extended Criteria Donors Have Higher Expression of Inflammatory Genes Than Standard Donors**
Mario Abbud-Filho, Ida M. M. Fernandes-Charpiot, Maria Alice S. F. Baptista, Heloisa C. Caldas, Greiciane M. Florim. Sao Jose do Rio Preto, Sao Paulo, Brazil.
- A17** **Multiple Factors Contribute to an Expanded Immune Risk Profile in Pre Renal Transplant Candidates**
David DeWolfe, Kevin McGann, Joshua Ghofrani, Emma Geiger, Catherine Helzer, Steve Kleiboeker, Stephanie Jost, Chen Tan. Boston, MA; Lee's Summit, MO.
- A18** **Primary Cytomegalovirus Infection in Seronegative Kidney Transplant Patients is Associated with Prolonged Cold Ischemic Time of Seropositive Donor Organs**
Christine S. Falk, Fabian Schlott, Katherina Katsrintaki, Dominik Steubl, Wolfram Puppe, Cornelia Blume, Hermann Haller, Lutz Renders, Uwe Heemann, Dirk Busch, Michael Neuenhahn. Hannover, Germany; Munich, Germany; Hannover / Munich, Germany.
- A19** **Association of Leptin with Cystatin C in Kidney Allograft Dysfunction**
Alakesh Bera, Maura Watson, Nahbuma Gana, John Karaian, Surya Radhakrishnan, Madhan Subramanian, Dustin Little, Robert Nee, Anshul Chatterjee, Stephen Rothwell, Harvey Pollard, Rahul M. Jindal, Meera Srivastava. Bethesda, MD.
- A20** **IgM HLA DSAs Do Not Alter the Outcomes of Renal Allograft Rejection**
Alexander Gueret-Wardle, Philippa Dodd, Gaetano Lucisano, Sevda Hassan, Paul Brookes, Eva Santos-Nunez, Nicola Firmin, Dawn Goodall, Candice Roufousse, Michelle Willicombe, David Taube. London, United Kingdom.
- A21** **Intragraft MicroRNA Transcriptome of Acute Antibody Mediated Rejection of Human Kidney Allografts**
H. Yang, K. Akat, C. Li, C. Snopkowski, Z. Khan, D. Dadhania, T. Tuschl, M. Suthanthiran, T. Muthukumar. New York.

- 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 Hamiwka, 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**
Takayuki Yamamoto, Kenta Iwasaki, Kenta Murotani, Asami Takeda, Makoto Tsujita, Takahisa Hiramitsu, Norihiko Goto, Shunji Narumi, Yoshihiko Watarai, Kazuharu Uchida, Takaaki Kobayashi. Birmingham, AL; Nagakute, Japan; Nagoya, Japan.
- A25 † DNA Methylation Age and Differential Patterns of DNA Methylation in Older Compared with Younger Kidney Transplant Recipients**
J. Schaeenman, X. Zhou, R. Guo, M. Rossetti, E. Liang, B. Abdalla, E. Lum, S. Bunnapradist, G. Danovitch, E. F. Reed, D. Elashoff. Los Angeles, CA.
- 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**
Mamoru Kusaka, Naohiko Fukami, Hitomi Sasaki, Akihiro Kawai, Takashi Kenmochi, Taihei Ito, Ryoichi Shiroki, Kiyotaka Hoshinaga. Toyoake/Aichi, Japan.
- A27 Patients Converted to Belatacept Show Different Immunophenotyping Compared with *De Novo* Belatacept-Treated Patients**
María del Carmen Rial, Fiorella Caro, Ambrosi Nella, Diego Guerrieri, Luis León, Pablo Uva, Eduardo Chuluyan, Domingo Casadei. Buenos Aires, Argentina.
- 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 Perfusate 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, Suganthi Soundararajan, Darius F. Mirza, Robert Ashley, John D. Brotherton, Hynek Mergental, David Reich. Birmingham, United Kingdom; San Diego, CA; Philadelphia.
- A30 The Use of LiMAX for Evaluating Donor Livers on Normothermic Machine Perfusion**
Ivo J. Schurink, Jubi de Haan, Monique M. A. Verstegen, Herold J. Metselaar, Jan N. M. Ijzermans, Jeroen de Jonge. Rotterdam, Zuid Holland, Netherlands.
- 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**
Andreas A. Rostved, Sisse R. Ostrowski, Lars Peters, Jens D. Lundgren, Carina L. Sørensen, Hans-Christian Pommergaard, Jens G. Hillingsø, Allan Rasmussen. Copenhagen, Denmark.

- A33 Involvement of Aldehyde Dehydrogenase 2 (ALDH2) in Fatty Liver Graft Protection Mechanisms against Cold Ischemic Injury**
 Arnau Panisello-Rosello, Alexandre Lopez, Carlos Castro, Sravan Bellogi, Emma Folch-Puy, Anabela Rolo, Carlos Palmeira, René Adam, Joan Roselló-Catafau. Barcelona, Catalonia, Spain; Paris, France; Coimbra, Portugal.
- A34 Circulating Wnt Pathway Factors Are Non-Invasive Biomarkers of Transplant Vascular Injury**
 Michael E. Seifert, Andrew Malone, Louis Boohaker, Joseph Gaut, Sanjay Jain, Daniel Brennan, Roslyn B. Mannon. Birmingham; St. Louis; Baltimore.
- A35 Time and Perfusate Dependent Molecular Response in Ex Vivo Lung Perfusion**
 Peter Dromparis, Nader S. Aboelnazar, Siegfried Wagner, Sayed Himmat, Christopher W. White, Jessica G. Y. Luc, Darren H. Freed, Jayan Nagendran, Michael Mengel, Benjamin A. Adam. Edmonton, Canada.
- A36 Characterization of Exosomal DNA from Human Lung Transplant Recipients**
 Sandhya Bansal, Monal Sharma, Rajat Walia, Ross Bremner, Michael Smith, T. Mohanakumar. Phoenix.
- A37 Identification of Exosomal Proteins from Human Lung Transplant Recipients**
 Sandhya Bansal, P. Pirrotte, M. Saltzman, K. Garcia, M. Sharma, M. Gunasekaran, M. Smith, R. Bremner, T. Mohanakumar. Phoenix.
- A38 Long-Term HIF-1 α 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 Kwun, Stuart Knechtle. Durham, NC; Charleston, SC.
- A39 Ischemia Reperfusion Injury Significantly Differs between Lung vs. Heart Transplantation with Respect to Lead Cytokines and Correlation to Clinical Outcome**
 Bettina Wiegmann, Nadine Ledwoch, Jasper ISke, Christine Neudörfel, Igor Tudorache, Christian Kühn, Tim Kaufeld, Fabio Ius, Sbeastian Rojas, Murat Avsar, Axel Haverich, Gregor Warnwcke, Christine Falk. Hannover, Germany.
- A40 Isolation and Profiling of miRNAs from Formalin Fixed Paraffin Embedded Endomyocardial Tissues from Human Heart Transplant Recipients**
 Rajat Nog, Chhaya Aggarwal Gupta, John T. Fallon, Julio A. Panza, Nasreen S. Haque. Valhalla, NY.
- A41 AT1R Antibody Analysis: High Proportion of Non-Specific Reactivity?**
 Anne Halpin, S. Abou-Zeki, I. Larsen, P. Campbell, S. Urschel, L. J. West. Edmonton, Canada; , Canada.
- A42 Non-Invasive Imaging Modalities for Immune Monitoring of Vascularized Composite Allografts Using a Translational Large Animal Model**
 Joanna W. Etra, Katherine E. Cilwa, Georg J. Furtmueller, Angelo Leto Barone, Keli Kolegraff, Eric Elster, W. P. Andrew Lee, Gerald Brandacher. Baltimore, MD; Silver Springs, MD; Bethesda, MD.
- A43 Stress-Related Exosomal MicroRNA Biomarkers Released by Human Islets during Transplantation**
 Prathab Balaji Saravanan, Phuong Nguyen, Gumpei Yoshimatsu, Charles Chang, Carly Darden, Rituparna Bhattacharjee, Xuan Wang, Jinghua Gu, Michael Lawrence, Bashoo Naziruddin. Dallas.
- A44 † Sensing T Cell Killing Activity with Granzyme B Activity Probes**
 Quoc D. Mac, David V. Mathews, Justin A. Kahla, Claire M. Stoffers, Olivia M. Delmas, Brandon A. Holt, Andrew B. Adams, Gabriel A. Kwong. Atlanta, GA.

- A45** **The Impact of Childhood Solid Organ Transplantation on B-Cell Maturation**
Lavinia Ionescu, Tom Blydt-Hansen, Bethany Foster, Seema Mital, Loraine Hamiwka, Upton Allan, Veronique Phan, Patricia Birk, Catherine Morgan, Simon Urschel. Edmonton, Canada; Vancouver, Canada; Toronto, Canada; Montreal, Canada; Calgary, Canada; Winnipeg, Canada.
- A46** **Brain Death Conditions Intensify Inflammation and Impair Metabolic Gene Expression**
L. J. Zitur, P. J. Chlebeck, S. K. Odorico, T. J. Zens, J. S. Danobeitia, M. J. Eerhart, J. A. Reyes, A. M. D'Alessandro, K. G. Brunner, S. V. Capuano, L. A. Fernandez. Madison.
- 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***
Noël Knops, Yasaman Ramazani, Bert Van den Heuvel, Roel Goldschmeding, Tri Nguyen, Elena Levtchenko, Dirk Kuypers. Leuven, Belgium; Utrecht, Netherlands.
- A49** **Dynamics of CD25-Positive Myeloid Suppressor Cells in Solid Organ Transplanted Patients and Relationship with Rejection**
Alberto Utrero-Rico, Rocío Laguna-Goya, Francisco Luis Cano-Romero, Elena Gómez-Massa, Mario Fernandez-Ruiz, José María Aguado, Esther Mancebo-Sierra, María José Castro-Panete, Estela Paz-Artal. Madrid, Spain.
- A50** **What's Normal? An Evaluation of Pediatric T Cell Markers in Healthy Controls**
Morgan J. Sosniuk, Anne Halpin, Juanita Wizniak, Artur Szkotak, Simon Urschel, Lavinia Ionescu, Lori West. Edmonton, Canada; National, Canada.
- A51 †** **A Novel Preservation Solution for Lung That Improves Cell Viability and Tissue Architecture**
J. Friedman, M. Samamrco, L. Marrero, B. Bunnell, D. Spyropoulos. New Orleans; Charleston.
- A52 †** **Urinary TIMP-2 Predicts the Presence and Duration of Delayed Graft Function in DCD Kidney Transplant Recipients**
Jonna R. Bank, Renee Ruhaak, Darius Soonawala, Fred P. Romijn, Cees van Kooten, Christa M. Cobbaert, Hans W. de Fijter. Leiden, Netherlands.
- A53 †** **Changes in Phenotype, Immune Suppressive, Function, and Gene Expression of Myeloid Derived Suppressor Cells in Patients Given Combined Kidney and Hematopoietic Cell Transplants in a Tolerance Protocol**
Kent Jensen, PingPing Zheng, Ji Xuhuai, Ani Saraswathula, John Scandling, Stephan Busque, Judy Shizuru, Robert Lowsky, Asha Shori, Holden Maecker, Ed Engleman, Everett Meyer, Sam Strober. Stanford, CA.
- A54 †** **Association of *CYP3A5**3*6*7 Metabolic Composites to Tacrolimus Pharmacokinetics in African American and Caucasian Renal Transplant Recipients**
Kathleen Tornatore, Daniel Brazeau, Calvin Meaney, Kris Attwood, Gregory Wilding, Shirley Chang, Rocco Venuto. Buffalo; Portland.
- A55 †** **Absolute Quantification of Plasma Graft-Derived Cell-Free DNA for Diagnosis of Kidney Transplant Rejection**
John Whitlam, Ling Ling, Francesco Ierino, Damien Bruno, Howard Slater, David Power. Heidelberg, Victoria, Australia; Parkville, Victoria, Australia; Fitzroy, Victoria, Australia.

- A56** **Molecular Classifiers Can Outperform the Flawed Histologic “Gold Standard” on Which They Are Trained**
Jeff Reeve, Phil Halloran. Edmonton, Canada.
- A57** **Whole-Transcriptome Sequencing to Identify Macaque Immune Gene Variants**
Amelia K. Haj, Julie A. Karl, Roger W. Wiseman, David H. O'Connor. Madison, WI.
- A58** **False-Positive Flow-Cytometric T Cell Crossmatch Associated with Blood Type Antigen Expressed on Lymphocytes in ABO Incompatible Kidney Transplantation**
Daiki Iwami, Makoto Ito, Kiyohiko Hotta, Haruka Higuchi, Nobuo Shinohara. Sapporo, Japan.
- Innate Immunity; Chemokines, Cytokines, Complement**
- A59 †** **Ex Vivo Lung Perfusion Using the Portable OCS Maintains Endothelial Integrity in the Context of Reduced Severe PGD Rates**
Bettina Wiegmann, Ramon BellmasSanz, Christine Neudörfel, Christian Kühn, Igor Tudorache, Murat Avsar, Axel Haverich, Gregor Warnecke, Christine Falk. Hannover, Germany.
- A60 †** **Rictor mTORC2 Signaling Protects Ischemic Liver Injury by Targeting Both Liver Parenchymal and Non-Parenchymal Cells**
Haoming Zhou, Zhuqing Rao, Rui Liu, Shun Zhou, Jianhua Rao, Jian Gu, Hao Lu, Yongxiang Xia, Xuehao Wang, Yuan Zhai, Ling Lu. Nanjing, China; Los Angeles.
- A61 †** **C3a Receptor Regulates the CD8 T-Cell Alloresponse via Intrinsic and Extrinsic Mechanisms**
Julian Horwitz, Doug Mathern, Peter Heeger. NY, NY.
- A62 †** **Recipient Conditioning Results in IL-33 Support of Potent Th1 Alloimmune Responses after CD4⁺ T Cells Upregulate ST2 during Lymphopenia Induced Proliferation**
Gaelen Dwyer, L. Mathews, A. Lucas, B. Blazar, H. Turnquist. Pittsburgh, PA; Minneapolis, MN.
- A63** **Peptides Encoded by EBV Latent Cycle Proteins Affect NK Cell Reactivity**
Berenice Mbiribindi, Claudia Romero Moreno, Carlos O. Esquivel, Olivia M. Martinez, Sheri M. Krams. Stanford, CA.
- A64** **Neuropeptide PACAP Protects Hepatocyte against Liver Ischemia/Reperfusion Injury by Promoting Yes-Associated Protein (YAP) Function**
Zhengze Xue, Yuan Liu, Cheng Zhang, Ronald Busuttil, Jerzy Kupiec-Weglinski, Haofeng Ji. Los Angeles, CA.
- A65** **Leukocytes from Recipients with Severe Primary Graft Dysfunction after Lung Transplant Adoptively Transfer Alloreactivity to Vessel Grafts Trans Vivo**
Ann-Kathrin Knoefel, Thierry Siemieni, Nodir Madrahimov, Wiebke Sommer, Murat Avsar, Linda Ahrens, Igor Tudorache, Axel Haverich, Christine Falk, Gregor Warnecke. Hannover, Germany.
- A66** **Hyperglycemia Aggravates Hepatic Ischemia and Reperfusion Injury by Inhibiting Liver Resident Macrophage M2 Polarization via C/EBP-Homologous Protein-Mediated Endoplasmic Reticulum Stress**
Zhuqing Rao, Jie Sun, Xiongxiang Pan, Ziyang Chen, Heliang Sun, Panpan Zhang, Mei Gao, Zhengnian Ding, Cunming Liu. Nanjing, China.
- A67** **Gr1⁺ Macrophages Play Critical Roles in Liver Inflammation Resolution after IRI via Efferocytosis**
Ming Ni, Han Wang, Ronald Busuttil, Jerzy Kupiec-Weglinski, Xuehao Wang, Yuan Zhai. Los Angeles, CA; Nanjing, Jiansu, China.

- A68** **CCAAT-Enhancer-Binding Protein Homologous Protein Promotes Liver Ischemia and Reperfusion Injury by Inhibiting Beclin-1-Mediated Autophagy in Hepatocytes**
Haoming Zhou, Zhuqing Rao, Yongxiang Xia, Rui Liu, Shun Zhou, Xuehao Wang, Yuan Zhai, Ling Lu. Nanjing, China; Los Angeles.
- A69** **TGR5-Mediated AMPK/mTOR Signaling Regulates Macrophage Migration and Polarization in Liver Ischemia Reperfusion**
Shun Zhou, Haoming Zhou, Rui Liu, Feng Zhang, Xuehao Wang, Ling Lu. Nanjing, Jiangsu, China.
- 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. Busuttill, 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 Bartczak, Kaveh Farrokhi, Dagmar Kollmann, Moritz Kathz, 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 Airoidi, 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**
Jeongkye Hwang, HyunSu Choi, MiHyeong Kim, KangWoong Jun, KyungHye Kown, SunCheol Park, Jill Kim, InSung Moon. Daejeon, Korea; Seoul, Korea.
- 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 Bläsing, Christine Neudörfel, 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.
- A79** **Gene Silencing with p53 si-RNA Downregulates Inflammatory Markers in the Liver: Potential Utilization during Normothermic Machine Preservation**
Carolina Moore, Maximillian Thijssen, Xiaofei Wang, Pranoti Mandrekar, E. Xiaofei, Reza Abdi, 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**
Seth J. Concors, Douglas R. Murken, David D. Aufhauser, Zhonglin Wang, Guanghui Ge, Tricia Bhatti, Wayne W. Hancock, Matthew H. Levine. Philadelphia, PA.

A84 **Overexpression of BAX, NOL3, and XIAP Apoptotic Genes Participates in Calcineurin Inhibitors Nephrotoxicity: New Insights into Chronic Allograft Dysfunction**
Luis Garcia-Covarrubias, Gloria Queipo, Miguel A. Fonseca, Dulce Alcantara, Paola Prieto, Hector S. Diliz, Aldo Garcia, Hector Hinojosa, Alejandra Cicero, Guillermo Melendez, Mario Alamilla, Ricardo Lascurain, Virgilia Soto. Mexico City, Mexico.

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**
Robert P. Davis, Qimeng Gao, John Yerxa, Mani A. Daneshmand, John C. Haney, Jacob A. Klapper, Matthew G. Hartwig, Andrew S. Barbas. Durham, NC.

Kidney Acute Antibody Mediated Rejection

A87 † **Diagnosis of Antibody-Mediated Rejection after Kidney Transplantation by Blood Expression of Genes Involved in IFN Signaling**
Mareen Matz, Qiang Zhang, Frederik Heinrich, Christine Lorkowski, Kaiyin Wu, Pawel Durek, Nils Lachmann, Mir-Farzin Mashreghi, Klemens Budde. Berlin, Germany.

A88 † **A Pre-Transplant Blood-Based Lipid Signature for Prediction of Antibody-Mediated Rejection in Kidney Transplant Patients**
Gaurav Gupta, Sindhura Bobba, Daniel Contaifer, Pamela Kimball, Anne King, Dhiren Kumar, Marlon Levy, Jeffrey Stern, Dayanjan Wijesinghe. Richmond.

A89 † **Influence of X-Ray Repair Cross-Complementing Group (XRCC) Genes Polymorphisms on the Development of Antibody-Mediated Rejection (ABMR) in Renal Transplant Recipients**
Zijie Wang, Zhijian Han, Jun Tao, Ruoyun Tan, Min Gu. Nanjing, China.

A90 † **Donor-Derived Cell-Free DNA Outperforms Serum Creatinine Changes for Identifying Kidney Transplant Rejection**
Matthew R. Weir, David Hiller, James P. Yee, Arthur J. Matas. Baltimore, MD; Brisbane, CA; Minneapolis, MN.

A91 † **An Integrative Approach for the Assessment of Peritubular Capillaritis Extent and Score in Microvascular Inflammation – Association with Transplant Glomerulopathy and Graft Loss**
Nicolas Kozakowski, Harald Herkner, Farsad Eskandary, Michael Eder, Wolfgang Winnicki, Gregor Bond, Zeljko Kikic. Vienna, Austria.

- A92 †** **Protocolar Biopsies in Patients with Subclinical De Novo DSA in Kidney Transplantation**
Dominique Bertrand, Maïté Jaureguy, Cyril Garrouste, Johnny Sayegh, Nicolas Bouvier, Sophie Caillard, Luca Lanfranco, Aliénor Galinier, Arnaud François, Françoise Hau, Isabelle Etienne, Philippe Gatault. Rouen, France; Amiens, France; Clermont Ferrand, France; Angers, France; Caen, France; Strasbourg, France; Brest, France; Poitiers, France; Tours, France.
- 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)**
B. Handan Ozdemir, F. Nurhan Ozdemir, Aysen Terzi, Gokce Ozdemir, Alev Ok Atilgan, Ebru H. Ayvazoglu Soy, Aydinca Akdur, Gokhan Moray, Mehmet Haberal. Ankara, Turkey.
- 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 Mannon. 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 Furusawa, 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**
Adela Mattiazzi, Javier A. Pagan, Amar Arunachalam, Indhira De la Cruz Alcantara, Jane Revollo, Alex Centeno, Alejandro Valdes, Giselle Guerra. Miami, FL.

- A105 Eluates from Fine-Needle Allograft Biopsy Increase Donor-Specific Antibody Identification in Antibody Mediated Rejection**
Alin Girnita, E. Portwood, P. Brailey, M. Cuffy, M. Cardi, F. Paterno, T. Diwan, S. Shah, A. Govil, R. R. Alloway, E. S. Woodle. Cincinnati.
- A106 NK Cells in Allograft Kidney Biopsies during Rejection: Detection, Quantification, and Precise Localization Using Multiplex Immunofluorescence**
Megumi Terada, Jean Paul Duong Van Huyen, Fanny Drieux, Christophe Legendre, Patrick Bruneval, Marion Rabant. Paris, France; Rouen, France.
- A107 Clinical Response to Salvage Bortezomib Therapy for Antibody Mediated Rejection and Mixed Acute Rejection in a High Immunologic Risk Renal Transplant Population**
A. Lichvar, J. Benken, E. Benedetti. Chicago, IL.
- A108 Subclass Distribution of DSA Analyzed by Mass Spectrometry Predicts the Risk of Humoral Rejection**
Vincent Pernin, Nicole Bec, Christian Larroque, Christophe Duperray, Georges Mourad, Moglie Lequintrec. Montpellier, France.
- A109 Clinical Significance of Microvascular Inflammation in the Absence of Anti-HLA DSA in Kidney Transplantation**
Sandesh Parajuli, R. Redfield, F. Aziz, N. Garg, M. Mohamed, W. Zhong, T. Ellis, A. Djamali, D. Mandelbrot. Madison.
- A110 Early Experience Using Donor-Derived Cell-Free DNA for Detection of Rejection in Kidney Transplantation**
Edmund Huang, Ashley Vo, Jua Choi, Alice Peng, Supreet Sethi, Reiad Najjar, Stanley Jordan. Los Angeles, CA.
- A111 Comparison of Microvascular Inflammation in Renal Allograft Tissue between ABO Incompatible and ABO Compatible Kidney Transplantation**
Eun Jeong Ko, Bum Soon Choi, Cheol Whee Park, Yong-Soo Kim, Chul Woo Yang, Byung Ha Chung. Seoul, Republic of Korea.
- A112 An Increase in Spot Urine Protein Excretion during the First Year after Kidney Transplantation Associates with Subclinical De-Novo Donor-Specific Antibodies and Microvascular Inflammation at 1-Year Surveillance Biopsies**
Miha Arnol, Gregor Mlinšek, Manca Oblak, Aljoša Kandus, Nika Kojc, Jadranka Buturovic-Ponikvar. Ljubljana, Slovenia.
- A113 Waning Enthusiasm for a Once Promising Test: C1q Testing Does Not Provide Prognostic Information for DSA Screening Protocols**
Alexander Gilbert, Dong Li, Mariam Awwad, Sandra Rosen-Bronson, Peter Abrams, Jennifer Verbese, Gayle Vranic, Matthew Cooper. Washington, DC.
- A114 Serum Treatment with Fetal Bovine Serum Significantly Increases Luminex-Based HLA Antibody Assay Specificity by Reducing Heterophile Antibody Interference**
Andrés Jaramillo, Justin L. House, Lora J. Nelson, Scott Stoll, Rose M. Ridgley, Hasan A. Khamash. Phoenix, AZ.
- A115 The Impact of Pre-Transplant Donor Specific Antibodies (DSA) on AMR Rates in HIV-Infected Kidney Transplant Recipients Inducted with IL-2 RA**
Samira Farouk, Brett M. Rollins, Veronica Delaney, Nandita Singh, Vinita Sehgal, Rebecca Kent, Madhav Menon, Ron Shapiro, Sander Florman, Graciela DeBoccardo. New York, NY.
- A116 Can We Expect the “Unexpected”?**
David Pinelli, Anat Tambur. Chicago.
- A117 Efficacy and Safety of Tocilizumab in Treatment of Acute Antibody Mediated Rejection**
Karthikeyan Venkatachalam, Daloul Reem, Malone Andrew, Rowena Delos Santos, Tarek Alhamad. Saint Louis, MO; Columbus, OH.
- A118 Diagnostic Usefulness of Medullary C4d Staining in Renal Allografts**
Jon Von Visger, Chris Von Visger, Anjali Satoskar, Tibor Nadasdy, Jessica Hemminger, Sergey Brodsky. Columbus, OH.

- A119 Biopsy Correlates of DSA in Antibody-Mediated Rejection: C4d vs Microvascular Inflammation Scores**
Cynthia Harris, Lisa Anderson, Rafael Khaim, Jui Choudhuri, Ron Shapiro, Sander Florman, Fadi Salem, Madhav Menon. New York, NY.
- A120 The Treatment of Antibody-Mediated Rejection in Kidney Transplantation: An Updated Systematic Review and Meta-Analysis**
Susan S. Wan, Tracey D. Ying, Kate Wyburn, Darren M. Roberts, Melanie Wyld, Steven J. Chadban. Sydney, Australia; Canberra, Australia.
- A121 Impact of De Novo DSA (DnDSA) on Outcomes in HLA-Sensitized (HS) Patients Transplanted after IVIG + Rituximab Desensitization (DES)**
Ashley A. Vo, Olivier Aubert, Huang Edmund, Alice Peng, Reiad Najjar, Sethi Supreet, Jua Choi, Kathlyn Lim, Stanley C. Jordan. LA, CA; Paris, France.
- A122 Urinary Chemokine CXCL-10 in Long Term Renal Transplant Patients Associates with Urinary Tract Infections and Microvascular Damage**
Georgina Irish, Meg Hockley, Svjetlana Kireta, Julie Johnson, Robert Carroll. Adelaide, South Australia, Australia.
- A123 The Promising Approach in Difficult Atypical Hemolytic Uremic Syndrome Series in Renal Transplantation**
Berna Yelken, Serpil Gorcin, Erol Demir, Cihan Karatas, Emre Arpali, Basak Akyollu, Burak Kocak, Onur Elbasi, Emel Demiralp Eksioglu, Aydin Turkmen. Istanbul, Turkey.
- A124 Comparison of C1Q Binding and Flow Cytometric Crossmatch Results Provides an Accurate Evaluation of Hypersensitive Kidney Transplant Patients**
Emel Eksioglu-Demiralp, Aydin Türkmen, Berna Yelken, Serpil Görçin, Onur Elbasi, Funda Yalçin, Burak Koçak, Cihan Karatas, Murat Tuncer, Mert Altinel. Istanbul, Turkey.
- A125 Impact of Pretransplant Donor-Specific Antibodies on Kidney Allograft Recipients with Negative Flow Cytometry Crossmatches**
Hyunwook Kwon, Young Hoom Kim, Ji Yoon Choi, Sung Shin, Joo Hee Jung, Min Jae Cho, Jee Yeon Kim, Duck Jong Han. Seoul, Korea.
- A126 Is the NETos Increased in Acute Antibody Mediated Rejection?**
Roxana Villca-Gonzales, Jiram Torres-Ruiz, Diana Gomez-Martin, Josefina Alberu, Luis Morales-Buenrostro. Mexico City, CDMX, Mexico.
- A127 Interstitial Inflammation is Correlated with DQ Antibodies in Kidney Transplant Recipients**
Cynthia Harris, Lisa Anderson, Rafael Khaim, Jui Choudhuri, Ron Shapiro, Sander Florman, Fadi Salem, Madhav Menon. New York.
- A128 Clinical Heterogeneity of Early Anamnestic Donor Specific Antibody Responses in Kidney Transplantation**
A. A. Loethen, A. Lichvar, S. Tremblay, A. R. Shields, A. Dao, M. Cardi, P. Brailey, A. Girnita, B. Abu Jawdeh, R. R. Alloway, E. S. Woodle. Cincinnati, OH.
- A129 ABO-Incompatibility Lower Incidence of DSA-Induced Antibody-Mediated Rejection**
Dong Ryeol Lee, Byung Chang Kim, Jong Pho Kim, In Geun Kim, Mi Young Jeon. Busan, Republic of Korea.
- A130 Temporal Variability of IgG Subclasses**
David Pinelli, Murali Gopalakrishnan, Anna Joong, Philip Thrush, Anat Tambur. Chicago.
- A131 Antibody Mediated Kidney Transplant Rejection Treated with Bortezomib – Case Series from a Single Center**
Grzegorz Piecha, Robert Król, Henryk Karkoszka, Andrzej Wiecek. Katowice, Poland.

A132 Do Protocol Biopsies in the Highly Sensitized Improve Renal Allograft Survival? A Single Center Evaluation of 2 Year Graft Function
Sarat Kuppachi, Roberto Kalil, Mony Fraer, Marion Sanders, Melissa Swee, Zoe Stewart, Christie Thomas. Iowa City, IA.

A133 Single Center Experience in Use of Check Point Inhibitors and Outcomes in Kidney Transplant Recipients
Karthikeyan Venkatachalam, Rowena Delos Santos, Tareq Alhamad. St. Louis, MO.

A134 Noninvasive Detection of Infection and Rejection in Renal Transplant Patients
Yang Zhou, Yawen Cheng, Tingya Chiang, Gongda Yang, Xiaofeng Li, Fengbo Zeng, Xiaocheng Wang, Jun Ge, XiuDi Hu, Haifeng Shi, Tao Wang, Lei Liu. ZhenJiang, JingSu, China; SuZhou, JiangSu, China; ChangSha, Hunan, China.

A135 Magnitude of Pre-Biopsy Decline in Renal Function and Its Association with Allograft Rejection
Santhi Voora, Patrick Ahearn, Mehdi Tavakol, Kirsten Johansen, Elaine Ku. San Francisco, CA.

A136 † Immunologic Impact of Tocilizumab Treatment in Kidney Transplant Recipients with Allograft Inflammation
Joey C. Y. Leung, Sindhu Chandran, Flavio Vincenti, Qizhi Tang. San Francisco.

Kidney Complications: Late Graft Failure

A137 Impact of Bw4 and Bw6 Epitope Mismatch on Clinical Outcomes after Renal Transplantation
Chang Liu, Daniel C. Brennan, Krista L. Lentine, Rowena Delos Santos, Jieni Li, Andrew Malone, Tarek Alhamad. St. Louis; Baltimore.

A138 Kidney Transplantation in ESKD Patients with a History of Sickle Cell Disease/Trait
Al J. Lee, Gregory Malat, Meera Harhay, Lissa Levin, Gary Xiao, Stephen Guy, David Reich, Karthik Ranganna. Philadelphia, PA.

A139 Glucocorticoid Receptor Polymorphism Affects Susceptibility of Dyslipidemia in Recipients One Year after Kidney Transplantation
Kazuyuki Numakura, Hideaki Kagaya, Naoki Komine, Ryohei Yamamoto, Nobuhiro Fujiyama, Hiroshi Tsuruta, Atsushi Maeno, Mitsuru Saito, Shintaro Narita, Takamitsu Inoue, Takenori Niioka, Masatomo Miura, Tomonori Habuchi, Shigeru Satoh. Akita, Japan.

A140 Risk Factors for Graft Failure in Kidney Transplant Recipients with Polycystic Kidney Disease
Gauri Bhutani, Brad C. Astor, Arjang Djarnali. Madison.

A141 † A Substantial Fraction of Surveillance Transplant Biopsies Have Clinically Actionable Findings
Ali Shammout, Abhijit Naik, Milagros Samaniego, Evan A. Farkash. Ann Arbor.

A142 Haematological Autoimmune Disorders Associated with Alemtuzumab Induction in Renal and Simultaneous Pancreas and Kidney Recipients
Andreas Kousios, Rawya Charif, Maria Atta, Asad Luqmani, Nichola Cooper, David Taube. London, United Kingdom.

Kidney Immunosuppression: Desensitization

A143 † Decreased Clinical Significance of Isoagglutinin Titer with the Current Desensitization Protocol in ABO-Incompatible Kidney Transplantation
Chung Hee Baek, Hyosang Kim, Won Seok Yang, Duck Jong Han, Su-Kil Park. Seoul, Republic of Korea.

A144 The Clinical Significance of Pretransplant C1q Assay Status in Positive Crossmatch Kidney Transplantation
Juhan Lee, Deok Gie Kim, Borae G. Park, Seung Hwan Song, Jung Jun Lee, Yoon Bin Jung, Jee Youn Lee, Jae Geun Lee, Beom Seok Kim, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Kyu Ha Huh. Seoul, Korea; Seongnam, Korea.

- A145** **Delayed Graft Function in Live Donor HLA-Incompatible Kidney Transplant Recipients: A Multicenter Study**
Jennifer Motter, Allan Massie, Jacqueline Garonzik Wang, Kyle Jackson, Xun Luo, Abimereki Muzaale, Babak Orandi, Dorry Segev. Baltimore; San Francisco.
- A146** **Efficacy of IVIG + Rituximab Desensitization Therapy on HLA Antibodies is Independent of HLA Loci**
Xiaohai Zhang, Stanley Jordan. Los Angeles, CA.
- A147** **Mid-Term Outcome of Donor Specific Antibody Positive Deceased Donor Kidney Transplantation with Peri-Transplant Desensitization**
Klara Osickova, Petra Hrubá, Janka Slatinska, Antonij Slavcev, Jiri Fronek, Eva Honsova, Ondrej Viklicky. Prague, Czech Republic.
- A148** **B-Cell Depletion with Rituximab Exacerbates Anti-Donor CD4⁺ T-Cell Responses in Patients with Donor-Specific Anti-Human Leukocyte Antigen Antibodies**
Asuka Tanaka, Kentaro Ide, Yuka Tanaka, Masahiro Ohira, Hiroyuki Tahara, Seiichi Shimizu, Hideki Ohdan. Hiroshima, Japan.
- A149** **Elevated Levels of CD19⁺ B Cells before or after Rituximab Administration is a Risk Factor for the Early Rejection of a Living Kidney Transplant**
Momoko Kono, Hiroki Shirakawa, Sachiko Wakai. Tokyo, Japan.
- A150** **The Results of Plasmapheresis and Anti-CD20 Based Desensitization without Intravenous Immunoglobulin in Positive Crossmatch Kidney Transplants**
Hyunwook Kwon, Young Hoon Kim, Ji Yoon Choi, Sung Shin, Joo Hee Jung, Min che Cho, Jee Yeon Kim, Duck Jong Han. Seoul, Korea.
- A151** **Non Active Desensitization Protocol: Improving Access to Kidney Transplant for Hyperimmunized Patients**
Sabine Le Bot, Florent Delbos, Claire Garandeau, Stéphanie Malard Castagnet, Anne Cesbron, Maryvonne Hourmant. Nantes, France.
- A152** **Immunoabsorption-Based Desensitization in Highly Sensitized Patients Awaiting Deceased Donor Kidney Transplantation.**
Come Bureau, Pierre Galichon, Yosu Luque, Nacera Ouali, Eric Rondeau, Cédric Rafat. Paris, France.
- A153** **Pre-Emptive Rituximab and Intravenous Immunoglobulin (IVIg) Fail to Prevent Rejection in Kidney Transplant Recipients (KTx) with Donor Specific Antibodies (DSA)**
John Crew, Rodica Vasilescu, Eric Campenot, Sumit Mohan, Shefali Patel. New York, NY.
- A154** **Contemporary Desensitization with Low Dose Rituximab Ensures Kidney Transplant Outcome beyond ABO Blood Type Incompatibility: A Comparison between past Regimens in Single Institute**
Hiroshi Harada, Yoshiki Wada, Akihiko Mitsuke, Takayuki Hirose, Nobuyuki Fukuzawa, Toshimori Seki. Sapporo, Japan.
- A155** **HLA Desensitization Using Rituximab/ Immunoabsorption before Kidney Transplantation**
Paolo Malvezzi, Thomas Jouve, Dominique Masson, Joceyline Maurizi, Béatrice Bardy, Pierre-Louis Carron, Bénédicte Janbon, Nicolas Terrier, Lionel Rostaing. Grenoble, France.
- A156 †** **Anti-IdeS Antibodies in IVIg and Its Effect on IdeS Activity**
Anna Runström, Sofia Järnum, Stanley Jordan, Lena Winstedt, Christian Kjellman. Lund, Sweden; Los Angeles.

Kidney Paired Exchange

- A157 † Interactive Software for Simulation and Management of a Kidney Paired Donation Program**
Mathieu Bray, Wen Wang, Michael A. Rees, Peter X. Song, Alan B. Leichtman, Valarie B. Ashby, John D. Kalbfleisch. Ann Arbor, MI; Maumee, OH.
- A158 † Transplant Candidates and Potential Living Kidney Donors Are Supportive of Reciprocity for Transplant Candidates Who Participate in Kidney Paired Donation with a Compatible Donor**
Jagbir Gill, John Gill, Fabian Ballesteros, Marie Chantal Fortin. Vancouver, Canada; Montreal, Canada.
- A159 Evaluation of KPD: Does It Improve Overall Transplant Center Performance?**
Michael Rees, Erika Michelin, Naoru Koizumi, Jorge Ortiz. Lewisburg, WV; Fairfax, VA; Toledo, OH.
- A160 Unique Recipient Benefits with Paired Kidney Donation**
Jacantha Buggs, Ebonie Rogers, Victor Bowers. Tampa, FL.
- A161 Gains from Joining Kidney Paired Donation with Several Incompatible Donors**
Mathieu Bray, Wen Wang, Peter X. Song, John D. Kalbfleisch. Ann Arbor, MI.
- A162 Compatible Donor and Recipient Pairs' Perspectives on Participation in Kidney Paired Donation Programs: The Emotional Implications of Indirect Donation and Transplantation**
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.

- A164 Integration of Blood Type Incompatibility Desensitization Protocols into Kidney Paired Donation (KPD) Programs**
Fatemeh Karami, Mehdi Nayeypour, Monica Gentili, Naoru Koizumi, Keith Melancon. Louisville, KY; Arlington, VA; Washington DC.

Kidney Transplant Goes Viral

- A165 † Clinical Significance of BK Virus-Specific ELISPOT Assay in Kidney Transplant Recipients**
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.
- A166 Fosfomycin vs Other Antibiotics for UTI after Kidney Transplant**
Ofole Mgbako, Jung-Eun Ha, Nicole Topilow, Elijah Min, Daniel Taupin, Vasishta Tatapudi, Bruce Gelb, Sarah Hochman. New York.
- A167 Impact of Pneumocystis Prophylaxis on Incidence of Treated Urinary Tract Infections Following Kidney Transplantation**
Sabrina Sanchez, Marissa Brokhof, Nicole Kenyon, Christy Varughese, Nicole Alvey. Chicago, IL.
- A168 The Effects of Pre-Transplant Pyuria of the Deceased Donor on Post-Transplant Urinary Tract Infections in the Case of Gender Mismatch Transplantation**
Yang Wook Kim, Seok Ju Park. Busan, Korea.
- A169 Standard- versus Low-Dose Valganciclovir for Cytomegalovirus Prophylaxis in Intermediate-Risk Kidney Transplant Recipients**
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.

- A171 Recovery of Wild-Type Genotype after Documented Ganciclovir-Resistance in Transplant Recipients with Recurrent CMV Viremia**
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, Fernanda 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**
Norihiko Goto, Masato Minami, Kenta Futamura, Manabu Okada, Makoto Tsujita, Takahisa Hiramitsu, Shunji Narumi, Yoshihiko Watarai. Nagoya, Japan.
- A177 Brincidofovir for Disseminated Adenovirus in Kidney and Kidney-Pancreas Transplant Recipients: Report of a Case Series**
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.
- A181 Do We Need to Worry about EBV DNAemia in the Late Post-Transplant Period?**
Muir Morton, Kanika Daga, Paul E. Klapper, Michael L. Picton, Pamela J. Vallely. Manchester, United Kingdom.
- A182 Opportunistic Infections after Kidney Transplantation Are Independent Risk Factor of Kidney Allograft Loss: A Retrospective Cohort Study**
Philippe Attias, Giovanna Melica, Etienne Audureau, David Boutboul, Nathalie De Castro, Sebastien Gallien, Philippe Grimbert, Marie Matignon. Créteil, France; Paris, France.
- A183 Cryptococcal Infections in Kidney Transplant Recipients. A Single Center Experience**
Marcelo V. Radisic, Natalia Pujato, Ana C. Dotta, Rosa Livia Franzini, Martin Bravo, Layla Rodriguez Rilo, Carolina Giampieri, Luis Leon, Maria del Carmen Rial, Domingo Casadei. Ciudad Autonoma de Buenos Aires, Buenos Aires, Argentina.
- A184 Transplant Tourism and Invasive Fungal Infection**
Faisal Al Ismaili, Abdelmassiah Metry, Marwa Al Riyami, Feryal Khamis, Faisal Shaheen, Alan Hola, Issa Al Salmi. Muscat, Oman; Riyadh, Saudi Arabia.

- A185 Retrospective Study of Cryptococcosis in Kidney Transplant Recipients from a Single Center**
Rending Wang, Menger Cen, Jinwen Lin, Hongfeng Huang, Wenhan Peng, Jianyong Wu. Hangzhou, Zhejiang, China.
- A186 Early Infectious Outcomes of Older Adults Undergoing Kidney Transplantation (KT). A Case Control Study**
Marion Hemmersbach-Miller, Kenneth E. Schmader. Durham, NC.
- A187 Single-Center Experience with Sofosbuvir-Based HCV Treatment after Kidney Transplantation**
Valter Duro Garcia, Gisele Meinerz, Cynthia K. da Silva, Rosana M. Bruno, Elizete Keitel. Porto Alegre, Brazil.
- A188 Clinical Outcomes of Kidney Transplant Recipients Infected with Hepatitis C Virus and Treated with Direct-Acting Antiviral Therapy**
Mohamad M. Alkadi, Essa Abuhelaiqa, Moataz Derbala, Omar Fituri, Jehan Mahmoud, Mona Jarman, Muhammad Asim, Adel Aziz, Awais Nauman, Ahmed Hamdi, Yasser Medhat, Saad Al Kaabi, Hassan Al-Malki. Doha, Qatar.
- A189 Outcomes of Kidney Transplantation from HBsAg Positive Donors to HBsAb Positive Recipients**
Guodong Chen, Chang Wang, Zixuan Wu, Xiaomian Liu, Changxi Wang, Lizhong Chen. Guangzhou, Guangdong, China.
- A190 Prevention of Hepatitis B Virus Reactivation in HBsAg-Positive Renal Transplant Recipients with Rituximab Treatment**
Ji Yoon Choi, Joo Hee Jung, Hyunwook Kwon, Sung Shin, Young Hoon Kim, Duck Jong Han. Seoul, Republic of Korea.
- A191 † Clinical Validation of a Novel ELISpot-Based *In Vitro* Diagnostic Assay to Monitor CMV-Specific Cell-Mediated Immunity in Kidney Transplant Recipients**
Bernhard Banas, Dominik Steubl, Lutz Renders, Dominik Chittka, Miriam C. Banas, Thomas Wekerle, Martina Koch, Oliver Witzke, Anja Muehlfeld, Claudia Sommerer, Antje Habicht, Christian Hugo, Thomas Huenig, Monika Lindemann, Traudel Schmidt, Anne Rasclé, Sascha Barabas, Ludwig Deml, Ralf Wagner, Bernhard K. Kraemer, Bernd Krueger. Regensburg, Germany; Munich, Germany; Vienna, Austria; Hamburg-Eppendorf, Germany; Essen, Germany; Aachen, Germany; Heidelberg, Germany; Dresden, Germany; Wuerzburg, Germany; Mannheim, Germany.
- 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.

- A196 † Pre-Transplant Duration of Dialysis, N-Terminal Pro-Brain Natriuretic Peptide and Post-Transplant Mortality in Renal Transplant Recipients**
Ming H. Yeung, Marco Van Londen, Uzma Nakshbandi, Yusof M. Said, Michele F. Eisenga, Bouke Hepkema, Ilja M. Nolte, Stefan P. Berger, Martin H. De Borst, Stephan J. L. Bakker. Groningen, Netherlands.
- A197 5-Year Serum Alkaline Phosphatase Levels after Kidney Transplantation is Associated with Long-Term Graft Survival and Mortality in Kidney Recipient**
Hoon Young Choi, Deok Ki Kim, Kyu Ha Huh, Yu Seun Kim, Beom Seok Kim. Seoul, Korea.
- A198 Proteinuria is Associated with Increased Risk for Cardiovascular Disease after Kidney Transplantation**
Ruth Rahamimov, Maya Molcho, Itay Vahav, Avri Chagnac, Eytan Mor, Benaya Rozen-Zvi. Petach Tikva, Israel; Tel- Aviv, Israel.
- A199 Bariatric Surgery before and after Kidney Transplantation: Long-Term Weight-Loss and Allograft Outcomes**
Jordana Cohen, Mary Ann Lim, Colleen Tewksbury, Samuel Torres Landa, Jennifer Trofe-Clark, Peter Abt, Noel Williams, Kristoffel Dumon, Simin Goral. Philadelphia.
- A200 Metabolic Complications 10-Years after Kidney Transplant**
Elizabeth C. Lorenz, Fernando G. Cosio, Mark D. Stegall. Rochester.
- A201 Effect of Everolimus on Body Composition; 1-Year after Kidney Transplantation**
Mikiko Yoshikawa, Takeshi Ishimura, Shinichi Nishi. Kobe, Japan.
- A202 Diabetic Nephropathy after Kidney Transplantation in Patients with Pre-Transplantation Type II Diabetes May Occur Later and Be Less Common Than Previously Thought**
Arielle Cimeno, Jennifer Munley, Samuel Sultan, Matthew Weir, Stephen Bartlett, Cinthia Drachenberg, Abdolreza Hararian, Jonathan S. Bromberg, Joseph R. Scalea. Baltimore, MD.
- A203 The Implications of Impaired Glucose Tolerance after Kidney Transplantation**
Francis Tinney, Jr., Silas Norman, Abhijit Naik, Diane Cibrik, Randall Sung, Danielle Fietze, Mark Stegall, Milagros Samaniego, Colleen Jay. Detroit, MI; Ann Arbor, MI; San Antonio, TX; Rochester, MN.
- A204 Outcomes of Transplant Patients with Encapsulating Peritoneal Sclerosis(EPS) Treated with Tamoxifen and Steroids**
Rajeevalochana Parthasarathy, Todd Fairhead, Brendan McCormick, Greg Knoll, Stephanie Hoar. Ottawa, ON, Canada.
- A205 Impact of Postoperative Serum Chloride Changes on Graft Function and Acute Rejection in Recipients of Living Kidney Transplants**
Viral Vakil, Daniel Keys, Milind Junghare, Scott Jackson, Danielle Berglund, Arthur Matas, Samy Riad. Minneapolis.
- A206 The Impact of Immunosuppression on Mineral Metabolism One Year after Kidney Transplantation: Differences between a Mycophenolate-Based Regimen versus an mTOR-Inhibitor-Based One**
David Cucchiari, Sabine Karam, Pedro Ventura-Aguiar, Fritz Diekmann, Jose Vicens Torregrosa. Barcelona, Spain; Beirut, Lebanon.
- A207 Evaluation of Salt Intake by 24-h Urinary Sodium Excretion in Kidney Transplant Patients**
Toyofumi Abe, Masataka Kawamura, Shigeaki Nakazawa, Taigo Kato, Ryoichi Imamura, Naotsugu Ichimaru, Shiro Takahara, Norio Nonomura. Suita, Osaka, Japan.
- A208 Functional Assessment of Kidney Transplant Candidates with the 6 Minute Walk Test and Hand Grip Strength**
Sanjiv Anand, Sarah Gilligan, Donald Morris, Titte Srinivas. Murray; Murray, UT.

- A209 Kidney Transplantation is Associated with Decreasing Native T1 Time: A Cardiac Magnetic Resonance Study**
Mariana Moraes Contti, Luis Gustavo Modelli de Andrade, Hong Si Nga, Mariana Farina Valiatti, Henrique Mochida Takase, Ariane Moyses Bravin, Alejandra el Carmen Villanueva Mauricio, Mauricio Fregonesi Barbosa. Botucatu, Sao Paulo, Brazil; São Paulo, Brazil; Presidente Prudente, Sao Paulo, Brazil.
- A210 Four Years Follow-Up in Kidney Transplant Patients with Vascular Calcifications**
Luis León, Ana Uriona, Jorge Quinchuela Hidalgo, Liliana Condori, Olga Guardia, Eduardo Chuluyan, Domingo Casadei. Buenos Aires, Argentina.
- A211 High Serum Resistin Levels Predict Future Acute Kidney Injury in Kidney Transplantation Patients**
Ming-Che Lee, Bang-Gee Hsu. Hualien, Taiwan.
- A212 Parathyroidectomy Outcomes in Renal Transplant Recipients: Subtotal vs. Total**
Roshni Rathore, Ajay Sharma, Ahmed Halawa. Stoke-on-Trent, United Kingdom; Liverpool, United Kingdom.
- A213 Changes in Vitamin D Levels after Kidney Transplantation**
Erik L. Lum, Korntip Phonphok, Nakul Datta, Suphamai Bunnapradist. Los Angeles, CA.
- A214 Improved Cardiac Risk Stratification Method in Kidney Transplant Candidates.**
Lynn Punnoose, Natasha Fonseka, Michael Lashner, Ghanta Mythili, Swati Rao. Philadelphia.
- A215 The Impact of Anticoagulation Therapy Modifications during the Index Hospitalization on Clinical Outcomes in Kidney Transplant Recipients**
J. Hardcopf, H. Meadows, N. Pilch, C. Perez, N. Patel, J. Fleming, H. Corbo, T. Harrison, B. O'Brien, D. DuBay, P. Baliga, David Taber. Charleston, SC.
- A216 Direct Oral Anticoagulation Use in Kidney Transplant Recipients**
Suhail A. Shaikh, Milagros Samaniego, Jeong M. Park. Washington DC; Ann Arbor, MI.
- A217 The Incidence and Outcome of Isolated Distal Deep Vein Thrombosis in Kidney Transplant Recipient**
Mihyeong Kim, Jeongkye Hwang, Sangdong Kim, Suncheol Park, Insung Moon, Jiil Kim. Seoul, Republic of Korea.
- A218 Low Serum 3-Methyl Histidine Level is Associated with Peripheral Arterial Stiffness in Renal Transplant Recipients**
Bang-Gee Hsu, Yu-Hsien Lai, Jia-Sian Hou, Chin-Hung Liu, Ming-Che Lee. Hualien, Taiwan.
- A219 High Prevalence of New Onset Diabetes Mellitus in a Predominantly Minority Urban Cohort of Kidney Transplant Recipients and Clinical Outcomes**
Sandra Aleksic, Sara Zahedpour, Effie Tsomos, Maria Ajaimy, Joel Zonszein, Enver Akalin. Bronx.
- A220 Neutrophil-Lymphocyte Ratio(NLR) is Significantly Decreased in Kidney Transplant Patients: Is NLR a Novel Predictor of Cardiovascular Disease in Kidney Transplant Patients?**
Hiroki Shirakawa, Jumpei Hasegawa, Ayumi Ishiwatari, Momoko Kono, Sachiko Wakai. Shinjuku, Tokyo, Japan.
- A221 Measures of Physical Frailty, Cardiac Function and Cardiac Biomarkers among Kidney Transplant Candidates**
Sarah E. Gilligan, Sanjiv Anand, Donald Morris, Michael Minder, Titte R. Srinivas. Murray, UT; Salt Lake City, UT.
- A222 Influence of mTOR Inhibitors on Metabolic Outcomes One Year after Kidney Transplantation: The Role of Pre-Transplantation Diabetes**
David Cucchiari, Sabine Karam, Pedro Ventura-Aguiar, Jose Vicens Torregrosa, Fritz Diekmann. Barcelona, Spain; Beirut, Lebanon.

- A223 Malignancy Complications after Kidney Transplantation, the Role of Immunosuppression**
Maria Molina, Jimena Cabrera, Esther Gonzalez, Ana Hernández, Natalia Polanco, Amado Andres. Madrid, Spain; Montevideo, Uruguay.
- A224 Hyperkalemia in the Early Post Renal Transplant Period**
Emily A. Christie, Julius Okel, Manjula Gowrishankar. Edmonton, AB, Canada.
- A225 Changes in Carotid Arterial Inflammation in *De Novo* Renal Transplant Recipients as Assessed by ¹⁸F-FDG PET/CT**
Hye Eun Yoon, Yaeni Kim, Chul Woo Yang, Seok Joon Shin. Seoul, Korea.
- A226 Impact of Vitamin D Status on Immune-Mediated Graft Function Following Kidney Transplantation**
Christine Pham, Brett Pierce, Shweta Bapat, Samantha Kuten, Linda Moore, A. Osama Gaber. Houston.
- A227 Progression of Vertebral Bone Disease among Kidney Allograft Recipients on Steroid Maintenance**
Essa Abuhelaiqa, Mohamad M. Alkadi, Mona Jarman, Jehan Mahmoud, Ahmad Hamdi, Adel Ashor, Awais Nauman, Muhammad Asim, Omar Fituri, Hassan Al-Malki. Doha, Qatar.
- A228 The Price of Diabetes Medication Management in Kidney Transplantation: Similar Rates of Readmissions, but More Healthcare Utilization**
J. Hardcopf, H. Meadows, N. Pilch, C. Perez, N. Patel, J. Fleming, H. Corbo, T. Harrison, B. O'Brien, D. DuBay, David Taber. Charleston, SC.
- A229 SGLT2 Inhibition in Kidney Transplant Recipients with Diabetes**
Martina Guthoff, Moritz Mahling, Silvio Nadalin, Nils Heyne. Tübingen, Germany.
- A230 Utility of Preoperative CT to Guide Perioperative Management for Kidney Transplantation**
Evan Werlin, Joy Walker, Jonathan Freise, Peter Stock, Jade Hiramoto. San Francisco, CA.
- A231 Impact of Balanced Solutions on Acid Base Disorders during and after Kidney Transplantation**
Nicolas Maillard, Hayate Chraka, Guillaume Claisse, Eric Alamartine, Serge Molliex, Christophe Mariat. Saint Etienne, France.
- Liver Retransplantation and Other Complications**
- A232 † Donor *TM6SF2* rs58542926 Genotype is a Risk Factor for Liver Graft Steatosis**
Irena Mikova, Magdalena Neroldova, Jaroslav A. Hubacek, Dana Dlouha, Libor Kolesar, Milan Jirsa, Eva Honsova, Eva Sticova, Vera Lanska, Julius Spicak, Pavel Trunecka. Prague, Czech Republic.
- A233 † Liver Retransplantation and Renal Failure: The Benefit of Simultaneous Kidney Transplant**
Jennifer A. Berumen, Vodkin Irine, Shah Mita, Schnickel Gabriel, Mekeel Kristin. San Diego, CA.
- A234 † ADL and IADL Limitations Resolve but New Cognitive Impairments Develop in Liver Transplant Recipients**
Joshua Corriveau, Rameela Chandrasekhar, Sunil Geevarghese. Nashville.
- A235 Sufficient Hepatic Artery Flow Redeems Poor Portal Vein Flow after Liver Transplantation in Patients with Porta Vein Thrombosis**
Laia Coromina Hernandez, Kazunari Sasaki, Dan Firl, John McVey, Masato Fujiki, Federico Aucejo, Bijan Eghtesad, Cristiano Quintini, Charles Miller, Koji Hashimoto. Cleveland, OH.
- A236 Increased BMI is a Predictor of Early Post-Transplant Cardiac Events and Mortality**
Amar Mahgoub, Scott Jackson, John R. Lake, Nicholas Lim. Minneapolis, MN.
- A237 Portal Vein Thrombosis (PVT) in Liver Transplantation - Recent Experience**
David S. Bruce, Humberto Bohorquez, John Seal, Ari Cohen, Emily Bugeaud, Ian Carmody, Dennis Sonnier, Abhishek Mathur, Lucia De Gregorio, Hemant Sharma, George Loss. New Orleans, LA.

- A238 Lactate/platelet Ratio after Liver Transplantation; a Novel Predictor for Short-Term Graft Failure**
Kazuhiro Takahashi, Shunji Nagai, Mohamed Safwan, Kelly M. Collins, Michael D. Rizzari, Atsushi Yoshida, Nobuhiro Ohkohchi, Marwan S. Abouljoud. Tsukuba, Ibaraki, Japan; Detroit, MI.
- A239 The Initial Hepatic Artery Reperfusion versus Initial Portal Reperfusion in Liver Transplantation: Where Do We Stand?**
Rauf Shahbazov, Feredun Azari, Jennifer L. Alejo, Michael L. Talanian, Michael A. Fox, Krista S. Kennedy, Samuel Kessel, Arash Nickkholgh, Daniel Maluf, Shawn J. Pelletier. Charlottesville, VA; Philadelphia, PA.
- A240 Staged Biliary Reconstruction after Liver Transplantation Reduces Post-Transplant Biliary Complications in High-Acuity Patients**
Terra Pearson, Micheal A. Zimmerman, Joohyun Kim, Patrick Palines, Melissa Wong, Calvin Erickson, Johnny Hong. Milwaukee, WI.
- A241 Recent Exposure to Four-Factor Prothrombin Complex Concentrate (4F-PCC) is Associated with Intracardiac Thrombus during Liver Transplantation**
Michael L. Misel, Gabriel T. Schnickel, Jennifer Berumen, Ramon Sanchez, Kristin L. Mekeel. La Jolla, CA.
- A242 Can Delayed Abdominal Fascia Closure Modify the Short Term Outcome after Adult Liver Transplantation?**
Ivan Vella, Marco Pellicciaro, Gaetano Ciancio, Tommaso M. Manzia, Roberta Angelico, Jeffrey J. Gaynor, Giuseppe Iaria, Giuseppe Tisone, Rodrigo Vianna. Rome, Italy; Miami.
- A243 Effects of Sarcopenia on Patients Undergoing Liver Re-Transplantation**
Joel D. Stracke, Mohamed S. Ilias, Shunji Nagai. Detroit, MI.
- A244 Factors Influencing Post-Transplant Mortality in Primary Biliary Cholangitis**
Vivek Mendiratta, Kutayba Alsafadi, Deepak Venkat. Detroit.
- A245 The Utility and Futility of Extra-Corporeal Membrane Oxygenation in Liver Transplant Recipients**
Brian M. Nguyen, Kiran Dhanireddy, Yuri Genyk, Navpreet Kaur. Los Angeles, CA.
- A246 Liver Transplantation in Patients with Spontaneous Spleno-Renal Shunt**
Mikel Gastaca, Marco Bruno, Patricia Ruiz, Alberto Ventoso, Ibone Palomares, Mikel Prieto, Andres Valdivieso. Bilbao, Spain; Cordoba, Argentina.
- A247 Preemptive Chest Tube in Liver Transplantation – An Unconventional Way to Reduce Morbidity**
Paul Ritschl, Leke Wiering, Felix Sponholz, Andreas Brandl, Felix Aigner, Matthias Biebl, Moritz Schmelzle, Dennis Eurich, Igor Sauer, Katja Kotsch, Johann Pratschke, Robert Öllinger. Berlin, Germany.
- A248 Evaluation the Outcomes of Liver Transplant Recipients Underwent Splenectomy: A Meta-Analysis**
Maogen Chen, Xiaohong Lin, Bingsong Huang, Xiaoshun He. Guangzhou, China.
- A249 Re-Transplantation for Hepatic Artery Thrombosis: A National Perspective**
Catherine Garcia, Xiaonan Mei, Francesc Marti, Malay Shah, Jon Berger, Michael Daily, Meera Gupta, Roberto Gedaly. Lexington.
- A250 The Impact of Obesity on Incidence of Vascular Complications after Liver Transplantation: A Meta-Analysis**
Ronghai Deng, Yi Shi, Bingsong Huang, Yi Ma. Guangzhou, Guangdong, China.
- A251 Platelet Counts as Predictors of Short- and Long-Term Outcomes in Liver Transplantation: Cassandras or Just Rats on a Sinking Ship?**
Iakovos Amygdalos, Zoltan Czigany, Jörg Böcker, Franziska Meister, Marius Krebbers, Daniel A. Morales Santana, Jan Bednarsch, Wenzel Schöning, Florian Ulmer, Ger Koek, Daniela Kroy, Frank Tacke, Christian Trautwein, Ulf P. Neumann, Georg Lurje. Aachen, Germany; Maastricht, Netherlands.

- A252** **Hepatic Artery Resistive Indices on Doppler Ultrasound at Long Term Follow Up in Liver Transplant Recipients: Importance and Implications**
Pablo Serrano Rodriguez, Laura Cramer, Kimberly L. Jones, Elizabeth A. Lemmon, Tichafara Blessing Masakadza, Amelia Milukas, Randall O. Watkins, David A. Gerber, Chirag S. Desai. Chapel Hill, NC.
- A253** **Dunbar Syndrome in Liver Transplantation: Results of a Single Center Matched-Pair Analysis and a European Survey Study**
Daniel Antonio Morales-Santana, Zoltan Czigany, Jörg Böcker, Anne Andert, Wenzel Schöning, Tom Florian Ulmer, Jan Bednarsch, Iakovos Amygdalos, Franziska Meister, Peter Isfort, Martin Liebl, Daniela Kroy, Frank Tacke, Christian Trautwein, Ulf Peter Neumann, Georg Lurje. Aachen, Germany.
- A254** **Transplant Hepatectomy with Portacaval Shunt and Molecular Adsorbent Recirculating System (MARS) Therapy for Perioperative Catastrophe**
Arielle Cimeno, Samuel Sultan, Josue Alvarez-Casas, Steven I. Hanish, David A. Bruno, William R. Hutson, Deborah M. Stein, Thomas M. Scalea, Rolf N. Barth, John C. LaMattina. Baltimore, MD.
- A255** **Early Biliary Complications after Orthotopic Liver Transplantation - Non-Randomised Comparison of 3 Methods of Biliary Tract Drainage**
Agnieszka Józwick, Maciej Kosieradzki, Beata Łągiewska, Wojciech Lisik, Edyta Karpeta, Jagoda Bednarek, Maria A. Zaborska, Janusz Trzebicki, Marek Pacholczyk. Warsaw, Poland.
- A256** **De Nove Malignancies after Liver Transplantation: Single Center Experience in Korea**
Young Chul Yoon, Jun Suh Lee, Young Kyoung You, Dong Goo Kim. Incheon, Republic of Korea; Seoul, Republic of Korea.
- A257** **Does Biliary Duct Reconstruction Technique Impact Liver Transplantation Outcomes?**
Rauf Shahbazov, Michael Samuel Kessel, Kristen L. Knapp, Feredun Azari, Shawn Tsutsui, Arash Nickkholgh, Daniel Maluf, Shawn J. Pelletier. Charlottesville, VA; Philadelphia, PA.
- A258** **Isolated Right Hepatic Vein (RHV) Obstruction after Piggyback Liver Transplantation, an Infrahepatic Terminolateral Cavo-Cavostomy as a Rescue Technique to Save the Graft**
Karen Pineda-Solis, Carlos Florez-Zorrilla, Aczel Sanchez-Cedillo, Laura Ladrón de Guevara-Cetrina. Mexico City, Mexico.
- Liver: MELD, Allocation and Donor Issues (DCD/ECD)**
- A259** **Predictors of Graft Survival amongst Recipients of Liver Allografts with Prolonged Cold Ischemic Time (CIT)**
Justin A. Steggerda, Irene K. Kim, Darren Malinoski, Matthew B. Bloom. Los Angeles, CA; Portland, OR.
- A260** **Cold Ischemia Time is an Important Risk Factor for Post-Liver Transplant Prolonged Length of Stay**
Evelyn T. Pan, Dor Yoeli, Nhu Thao N. Galvan, Michael L. Kueht, Ronald T. Cotton, Christine A. O'Mahony, John A. Goss, Abbas Rana. Houston, TX.
- A261 †** **Measuring and Monitoring Equity in Access to Deceased Donor Liver Transplants**
Darren Stewart, Amanda Robinson, Ann Harper, David Klassen. Richmond.
- A262 †** **Liver Transplant Patients with MELD>50 at Listing Have Poor Waitlist Outcomes and Similar Post Transplant Survival to Status 1A Patients**
Mohamed Safwan, Randolph Schilke, Uche Nwagu, Kelly Collins, Michael Rizzari, Atsushi Yoshida, Marwan Abouljoud, Shunji Nagai. Detroit, MI.

- A263 Incidence Trends among Deceased Liver Transplant Recipients in the United States, 2011-2016: A Propensity Score-Matched Study**
Randolph Schilke, Mohamed Safwan, Kelly Collins, Michael Rizzari, Atsushi Yoshida, Marwan Abouljoud, Shunji Nagai. Detroit, MI.
- A264 † MELD-Na Score Based Liver Allocation: Hyponatremia is No Longer a Risk Factor for Waitlist Mortality**
Shunji Nagai, Lucy C. Chau, Mohamed Safwan, Randolph E. Schilke, Michael Rizzari, Kelly Collins, Atsushi Yoshida, Marwan Abouljoud, Dilip Moonka. Detroit, MI.
- A265 Diffuse Optical Non-Invasive Organ Risk (DONOR) Indexing Using Diffuse Reflectance Spectroscopy for Pre-Transplant Evaluation**
Halen Borrón, Daqing Piao, Alan Hawxby, Harlan Wright, Erin Rubin. Oklahoma City, OK; Stillwater, OK.
- A266 Changes in Geographic Disparity Following Share 35**
Mary Bowring, Eric Chow, Allan Massie, Dorry Segev, Sommer Gentry. Baltimore; Annapolis.
- A267 Impact of Donation after Cardiac Death Allografts on Outcome Following Liver Transplantation for Fulminant Hepatic Failure: An Analysis of the UNOS Database**
Shiva Kumar, Songhua Lin, Jesse D. Schold. Abu Dhabi, United Arab Emirates; Cleveland, OH.
- A268 Differences in Liver Waitlist Mortality Due to Geographic Disparity in Organ Availability**
Allan Massie, Sandra DiBrito, Jennifer Motter, Macey Henderson, Sheng Zhou, Kyle Jackson, Dorry Segev, Sommer Gentry. Baltimore; Annapolis.
- A269 Survival Advantage from Accepting a Circulatory Death Liver Transplant**
James A. Richards, Rhiannon Taylor, Elisa Allen, Aaron Goh, James Neuberger, David Collett, Gavin Pettigrew. Cambridge, United Kingdom; Bristol, United Kingdom; Birmingham, United Kingdom.
- A270 The Neutrophil to Lymphocyte Ratio is Confounded by MELD in Hepatocellular Carcinoma Patients Undergoing Liver Transplantation**
John C. McVey, Kazunari Sasaki, Firl J. Dan, Quintini Cristiano, Hashimoto Koji, Miller Charles, Aucejo N. Federico. Cleveland, OH.
- A271 Large Decrease in Liver Waiting List Dropout Rate for MELD > 14**
David Schladt, J. Pyke, A. Israni, W. R. Kim, J. Lake, Jon Snyder. Minneapolis; Stanford.
- A272 Contemporary Practice Patterns & Outcomes after Transjugular Intrahepatic Portosystemic Shunt (TIPS) Placement: A Multicenter US Experience of 1,146 Patients**
Justin Boike, Jin Ge, Margarita German, Nathaniel Jest, Giuseppe Morelli, Erin Spengler, Adnan Said, Alexander Lee, Alexander Hristov, Kanti Kolli, Jennifer Lai, Archita Desai, Shilpa Junna, Bhupesh Pokhrel, Thomas Couri, Sonali Paul, Nathaniel Christian-Miller, Catherine Frenette, Marcela Laurito, Elizabeth Verna, Usman Rahim, Aparna Goel, Arighno Das, Stewart Pine, Dyanna Gregory, Lisa VanWagner. Chicago; Gainesville; Madison; San Francisco; Tucson; La Jolla; New York; Palo Alto.
- A273 Outcomes of Livers Allocated to High UNOS Match Sequence Number Recipients at a High Volume Transplant Center**
Mina G. Park, Lucia De Gregorio, Humberto Bohorquez, David Bruce, Emily Bugeaud, Ian Carmody, Ari Cohen, Abhishek Mathur, Dennis Sonnier, John Seal, George Loss. New Orleans, LA.
- A274 Changes in Graft Gene Expression Contribute to Coagulopathy in UDCD Liver Transplantation**
A. Hessheimer, M. Vendrell, D. Sabater, J. Muñoz, A. Blasi, J. C. García-Valdecasas, A. Ruíz, M. Navasa, C. Fondevila. Barcelona, Spain.

- A275 Non-US Citizen Liver Transplant Recipients (LTR) Have Superior Outcomes Compared to US Citizen LTR: A Retrospective Study of 50,422 Subjects Using the Organ Procurement and Transplant Network (OPTN) from 1992-2015**
Thomas E. Butler, Abbas Rana, Marc Garfinkel. Springfield, IL; Houston, TX.
- A276 Offer Acceptance Practices and Geographic Variability in Allocation MELD at Transplant**
Andrew Wey, S. Gentry, J. Pyke, D. Schladt, T. Weaver, N. Salkowski, B. Kasiske, A. Israni, Jon Snyder. Minneapolis; Anapolis.
- A277 Predicting Liver Allograft Discard: The Discard Risk Index**
Abbas Rana, Michael Kueht, N. Thao Galvan, Ronald Cotton, Tamir Miloh, Christine O'Mahony, John Goss. Houston, TX.
- A278 DCD Utilization in Cholestatic Liver Disease: Distinct Outcomes between PSC and PBC Recipients**
Jennifer L. Pasko, Erin Maynard, Elizabeth Dewey, Kayvan Roayaie, Susan L. Orloff, David Scott, Wilscott Naugler, Joseph Ahn, C. Kristian Enestvedt. Portland, OR.
- A279 Is Percent Exception at Transplant a Driver of MELD Inflation?**
David Schladt, Jon Snyder, Ajay Israni, W. R. Kim, John Lake. Minneapolis, MN; Stanford, CA.
- A280 When Does Donor Age Matter? A Review of over 70,000 Liver Transplants**
Dor Yoeli, Evelyn T. Pan, Michael L. Kueht, Nhu Thao N. Galvan, Ronald T. Cotton, Christine A. O'Mahony, John A. Goss, Abbas Rana. Houston, TX.
- A281 Waitlist Candidates Who Travel for Liver Transplantation and the Donor Organs They Receive**
Jin Ge, Jennifer C. Lai. San Francisco, CA.
- A282 Development and Validation of Nomogram to Predict Primary Non Function in Liver Transplant Recipients Using Donation after Cardiac Death Donor Graft**
Zhiyong Guo, Junbo Zeng, Qiang Zhao, Binfeng Chen, Zhiheng Zhang, Linhe Wang, Xiaoshun He. Guangzhou, Guangdong, China.
- 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**
Otto B. van Leeuwen, Marjolein van Reeven, Masato Fujiyoshi, Vincent E. de Meijer, Ruben H. J. de Kleine, Marieke T. de Boer, Jeroen de Jonge, Jan N. M. Ijzermans, Wojciech G. Polak, Robert J. Porte. Groningen, Netherlands; Rotterdam, Netherlands.
- A284 Regional Variation in the Outcomes of MELD-Na Based Liver Allocation**
Lucy C. Chau, Dilip Moonka, Kelly Collins, Michel Rizzari, Atsushi Yoshida, Marwan Abouljoud, Shunji Nagai. Detroit, MI.
- A285 Impact of On-Site Overestimation of Macrosteatosis on Donor Liver Biopsy**
Matthew J. Wright, John Seal, Lucia De Gregorio, Humberto Bohorquez, David Bruce, Emily Bugeaud, Ian Carmody, Abhishek Mathur, Dennis Sonnier, Gretchen Galliano, Irma Oliva, Laura Bratton, George Loss. New Orleans.
- A286 Impact of Total Graft Steatotic Mass in Liver Transplant Outcomes**
Lucia De Gregorio, Emily Bugeaud, Gretchen Galliano, Humberto Bohorquez, David Bruce, Ian Carmody, Ari Cohen, John Seal, Dennis Sonnier, Abhishek Mathur, George Loss. New Orleans, LA.
- A287 Donor and Procedural Variability in DCD Liver Transplant: Is It Time to Come to a Consensus?**
Luis I. Ruffolo, Mark D. Balцениuk, Roberto Hernandez Alejandro. Rochester, NY.

- A288 Real-Time Expert Evaluation of Liver Biopsy for Transplant: The Significance of Smartphone and Microscope Adapter in Telepathology**
Natalie Bath, X. Wang, J. Bledsoe, M. Thijssen, A. Ahearn, B. Movahedi, A. Bozorgzadeh, P. N. Martins. Worcester, MA.
- A289 DSA-Level Liver Availability and Liver Utilization**
Sheng Zhou, Mary Grace Bowring, Allan Massie, Sommer Gentry, Dorry Segev. Baltimore.
- A290 Do High-Risk Categories Convey the Wrong Message to Waitlisted Patients – Is It Time to Reconsider the Absolute Risk of Graft Loss?**
Arya Zarinsefat, Hillary J. Braun, Shareef M. Syed, Babak J. Orandi, Garrett R. Roll. San Francisco, CA.
- A291 Cumulative United States Experience in Domino Liver Transplants**
Kaylene Barrera, Sidharth Sharma, Angelika Gruessner, Rainer Gruessner. Brooklyn, CA.
- A292 Liver Allocation: One OPO's Experience with Expedited versus Non-Expedited Placement**
Chad C. Muse, Ronald A. Squires, Chad Trahan, Janice F. Whaley, Jeffrey P. Orlowski. Oklahoma City, OK.
- A293 MELD Based Allocation Deteriorates Patient Survival without Improving Waiting List Mortality in a Low Donor Area**
Paul Ritschl, Leke Wiering, Felix Aigner, Matthias Biebl, Dennis Eurich, Moritz Schmelzle, Igor Sauer, Katja Kotsch, Johann Pratschke, Robert Öllinger. Berlin, Germany.
- A294 Long-Term Outcomes and Predictors of Survival after Liver Transplantation for Wilson Disease (WD)**
Prasun Jalal, Sarah May, Abbas Rana. Houston, TX.
- A295 Outcomes of Moderately Macrosteatotic Liver Allografts**
Jurgis Alvikas, Andrew-Paul Deeb, Kristina Lemon, Xilin Chen, Shahid Malik, Gang Zeng, Christopher Hughes, Abhinav Humar, Amit Tevar. Pittsburgh, PA.
- A296 Utilization of Older Donor after Cardiac Death Allografts in Liver Transplantation: An Opportunity to Increase the Donor Pool**
Flavio Paterno, Koffi Wima, Tayyab Diwan, Madison Cuffy, Nadim Anwar, Ervin Steve Woodle, Shimul Shah. Cincinnati, OH.
- A297 Calibration of Updated LSAM**
Joshua Pyke, T. Weaver, D. Schladt, N. Salkowski, A. Wey, J. Lake, W. Kim, S. Gentry, Ajay Israni. Minneapolis; Stanford; Annapolis.
- A298 † Kidney Donor Profile Index (KDPI) is Not Inferior to Liver Donor Risk Index (LDRI) in Predicting Long-Term Liver Graft Survival**
Uwe Scheuermann, Kyle Freischlag, Qimeng Gao, John Yerxa, Brian Ezekian, Robert P. Davis, Paul M. Schroder, Andrew S. Barbas. Durham, NC.
- Non-Organ Specific: Disparities to Outcome and Access to Healthcare**
- A299 † Most Pediatric Transplant Centers Are Underperforming and in Proximity to Higher Volume Centers**
Tyler Nichols, Abbas Rana, John A. Goss. Houston, TX.
- A300 † The Utility of an Online Survival Calculator in Selecting Older Candidates for Kidney Transplantation**
Mohammed Shwetar, Khaled Abdel-Kader, Beatrice P. Concepcion. Nashville, TN.
- A301 † Race/Ethnicity and Hypertension Self-Care Behaviors among US Living Kidney Donors**
Morgan Johnson, Tanjala Purnell, Xun Luo, Lisa Cooper, Madeline Waldram, Deidra Crews, Macey Henderson, Allan Massie, Dory Segev. Baltimore, MD.
- A302 Racial Differences in Patient-Perceived Barriers to Starting the Kidney Transplant Evaluation**
Reem E. Hamoda, Laura J. McPherson, Kristie Lipford, Jennifer C. Gander, Stephen O. Pastan, Rachel E. Patzer. Atlanta, GA.

- A303 Qualitative Analysis of Facebook Posts Created via the Donor Application**
Jonathan Konel, Sharon Weeks, Komal Kumar, David Helfer, Dorry Segev, Jacqueline Garonzik Wang, Macey Henderson, Andrew Cameron. Baltimore.
- A304 Racial Disparities in Post-Liver Transplant Survival before and after Share 35 Implementation**
Katherine Ross, Raymond Lynch, Rachel Patzer. Atlanta, GA.
- A305 Hospitalization, Dialysis Center Type, and Disparities in ESRD Survival and Waitlist Access**
Raymond J. Lynch, Rebecca Zhang, Andrew B. Adams, Rachel E. Patzer. Atlanta, GA.
- A306 No Correlation between US News “Best Hospitals” Rank and Outcome of Liver or Kidney Transplantation**
Julia L. Shreve, Steve F. Markowiak, Munier M. Nazzal, Jorge A. Ortiz. Toledo, OH.
- A307 The Opioid Strikes Back: Pre-Transplant Opioid Exposure is Associated with Increased Readmissions after Renal Transplant**
Bailey O'Brien, Neha Patel, Lytani Wilson, Patrick Mauldin, Sarah Ball, Rachel Gilbert, Zana Elmaasarani, Prabhakar Baliga, Nicole Pilch, David Taber, James Fleming. Charleston, SC.
- A308 Hispanics’ Perceptions of a Culturally Targeted Transplant Program: A Mixed Methods Study**
N. Alhalel, N. O. Francone, J. C. Caicedo, R. Ruiz, A. Salazar, S. Primeaux, E. J. Gordon. Chicago, IL; Dallas, TX.
- A309 Racial and Socioeconomic Influences on Kidney Transplantation. A 10 Year Retrospective Study**
Antonios Arvelakis, Susan Lerner, Vicram Wadhera, Veronica Delaney, Scott Ames, Vinita Shegal, Rebecca Kent, Graciela DeBoccardo, Nandita Singh, Sander Florman, Ron Shapiro. New York, NY.
- A310 Associations of Poor Physical and Cognitive Performance and Kidney Transplant Waiting List Denial**
Meera N. Harhay, Karthik Ranganna, Faith Michie, Christian Selinski, Thalia Bajakian, Lissa Levin Mizrahi, Jonathan Lee, Gregory Malat, Gary Xiao, David Reich, Stephen Guy, Peter P. Reese. Philadelphia.
- A311 Telehealth Evaluations to Screen Kidney Transplant Candidates Does Not Adversely Affect Time to or Rate of Transplant**
Rachel Forbes, Diane Rybacki, Tommy Johnson, David Shaffer, Douglas Hale. Nashville.
- A312 Graft and Patient Outcomes after Kidney Transplant for American Indians**
Regan Seipp, Nan Zhang, Hasan Khamash, Scott Leischow, Amit Sharma, Raymond Heilman, Mira Keddis. Phoenix.
- A313 Determinants of Delays and Reduced Rates of Waitlisting and Kidney Transplant among American Indians**
Mira Keddis, Muneeb Ilyas, Nan Zhang, Hasan Khamash, Scott Leischow, Amit Sharma, Raymond Heilman. Phoenix, AZ.
- A314 Transplant Outcomes in Female African American Recipients**
Anita Patel, Rohini Prashar, Dandrich Lim. Detroit, MI.
- A315 Development of a Predictive Model for Deceased Donor Organ Yield**
Wesley J. Marrero Colon, Mariel S. Lavieri, Seth D. Guikema, David W. Hutton, Neehar D. Parikh. Ann Arbor, MI.
- A316 Predictors of Early Graft Loss in Older Kidney Transplant Recipients**
Prince K. Amaechi, Rafael Rodriguez, Vinaya Rao, David Taber, Maria Aurora Posadas Salas. Charleston, SC.
- A317 Patient Change in Residence and Risk of Readmission after Renal Transplant in the US**
Julien Hogan, Michael Anderson, Yiran Zhang, Joyce Kim, Geeta Karadkhele, Xingyu Zhang, Andrew B. Adams, Rachel E. Patzer. Atlanta, GA.

- A318** **Racial Differences in Rates of Malignant and Infectious Cutaneous Genital Disease after Solid Organ Transplantation**
Mary Larijani, Kumar S. Nadhan, James Abbott, Alden M. Doyle, Christina L. Chung. Philadelphia, PA; Charlottesville, VA.
- A319** **The Fate of Older Candidates Referred for Kidney Transplantation**
Mohammed Shwetar, Khaled Abdel-Kader, Beatrice P. Concepcion. Nashville, TN.
- A320** **Living Donor Renal Transplantation in Adult Renal Transplant Recipients Varies Markedly across UNOS Networks**
Amarpali Brar, Angelika Gruessner, Moro Salifu, Rainer Gruessner, Nabil Sumrani, Devon John, Fasika Tedla. Brooklyn, NY.
- A321** **Rates of Posttransplant Cutaneous Disease Differ between Black and White Solid Organ Transplant Recipients**
Rina M. Allawh, Kumar S. Nadhan, Alden M. Doyle, Meera N. Harhay, Christina L. Chung. Philadelphia, PA; Charlottesville, VA.
- A322** **Reducing Hospital Readmissions: Referral of High Risk Liver Transplant Patients to a Transitional Care Coordination(TCC) Program**
Anahita Masoumi, Rolf Barth, Tina Stern, David Bruno, John LaMattina, Steven Hanish. Baltimore, MD.
- A323** **Predictors of Immunosuppressive Medication Adherence in Chinese Renal Transplant Recipients: Marital Status and Immunosuppressive Medication Beliefs**
Jia Liu, Shan Liu, Jianfei Xie, Jin Yan. Changsha, China; Garden City, NY.
- A324** **A Single Center Transition of Care Model from Pediatric Heart Recipients to Adult Services Ongoing Study Model**
Sherrie Adams, Mark Wigger. Nashville, TN.
- A325** **Effect of Ethnicity on Recipient Characteristics, Kidney Transplant Provision and Outcomes in a High-Volume National Health Service Hospital**
Evaldo Favi, Carmelo Puliatti, Mariano Ferraresso, Roberto Cacciola. Milan, Italy; London, United Kingdom.
- A326** **Challenges in Cultural and Linguistic Discordance in Caring for Somali Kidney Transplant Recipients at a Large-Volume Transplant Center**
Kent J. Peterson, Oscar K. Serrano, Marjorie Odegard, Steve J. Mongin, Danielle Berglund, David M. Vock, Srinath Chinnakotla, Ty B. Dunn, Erik B. Finger, Raja Kandaswamy, Timothy L. Pruett, Arthur J. Matas. Minneapolis, MN.
- A327** **Outcomes of Second Opinion Kidney Transplant Evaluations**
Meera N. Harhay, Thalia Bajakian, Karthik Ranganna, Gregory Malat, Stephen Guy, Gary Xiao, Lissa B. Levin Mizrahi, David Reich. Philadelphia.
- A328** **Gender Disparities in Need for Dialysis, Access to the Renal Transplant Waitlist and Renal Transplant Survival**
Bernhard M. W. Schmidt, Jelena Epping, Christine Falk, Siegfried Geyer, Anette Melk. Hannover, Germany.
- Pancreas and Islet: All Topics**
- A329 †** **Outcomes of ABO Non-Identical Pancreas Transplant**
Santosh Nagaraju, Richard Mangus, Jonathan Fridell. Indianapolis.
- A330** **Objective Measures of Nutrition in Pre-Pancreas Transplant Patients with Type I Diabetes**
Santosh Nagaraju, Richard Mangus, Tyra Salisbury, Weston Bush, Jason Davis, John Powelson, Jonathan Fridell. Indianapolis, IN.
- A331 †** **Isolated Pancreas Transplantation: Does Rank List Position Matter for Imported Grafts?**
Joel T. Adler, Robert R. Redfield, Dixon B. Kaufman, Jon S. Odorico. Madison, WI.

- A332 † Comprehensive Efficacy Analysis of Pancreas Transplantation Alone for Type 1 Diabetes Mellitus**
Yogish Kudva, Vikash Dadlani, Byron H. Smith, Katarina Bebjakova, Patrick G. Dean, Mark D. Stegall. Rochester, MN.
- A333 Addressing the “Crisis” in Pancreas Transplant Volume Using a Multidisciplinary Approach**
Joseph R. Scalea, Stephen T. Bartlett, Rolf N. Barth. Baltimore, MD.
- A334 Outcomes of Enteric Conversion of Bladder Drained Pancreas; over a Decade of Experience at a Single Center**
Samy Riad, Daniel Keys, Viral Vakil, Scott Jackson, Danielle Berglund, Arthur Matas, Raja Kandaswamy. Minneapolis.
- A335 Enteric Conversion of Bladder Drained Pancreas as a Time Dependent Predictor of Outcomes in over 900 Recipients**
Samy M. Riad, Daniel O. Keys, Viral H. Vakil, Scott Jackson, Danielle Berglund, Arthur Matas, Raja Kandaswamy. Minneapolis, MN.
- A336 † Identifying Patients at Risk of Mortality and Major Adverse Cardiovascular Events Following Simultaneous Pancreas and Kidney Transplantation Using the Pre-Transplant QRISK2 Score**
Petros Yiannoullou, Shu C. Goh, Hussein Khambalia, Zia Moinuddin, Angela Summers, Iestyn Shapey, Catherine Fullwood, Titus Augustine, Martin K. Rutter, David van Dellen. Manchester, United Kingdom.
- A337 Insulin Use on Intensive Care Units as a Marker of beta-Cell Death in Brain Dead Pancreas Donors**
Iestyn M. Shapey, Angela Summers, James O’Sullivan, Petros Yianoullou, Titus Augustine, Martin Rutter, David van Dellen. Manchester, United Kingdom.
- A338 Peri-Transplant Glycaemic Control as a Predictor of Pancreas Transplant Survival**
Iestyn M. Shapey, Ray Tan, Hussein Khambalia, Catherine Fullwood, Petros Yianoullou, Angela Summers, Titus Augustine, Martin K. Rutter, David van Dellen. Manchester, United Kingdom.
- A339 † Effect of Donor-Recipient Gender-Mismatch on Long Term Function after Pancreas Transplantation**
Franka Messner, Claudia Bösmüller, Manuel Maglione, Marina Riedmann, Rupert Oberhuber, Benno Cardini, Thomas Resch, Stefan Schneeberger, Christian Margreiter. Innsbruck, Austria.
- A340 Provision of Highly Specialized Aftercare by the Transplant Center Strongly Improves Patient, Pancreas and Kidney Allograft Survival in Long-Term Follow-Up after Simultaneous Pancreas-Kidney Transplantation**
Thomas Schachtner, Marina Zaks, Andreas Kahl, Petra Reinke. Berlin, Germany.
- A341 Pre-Operative Predictors of Health-Related Quality of Life for Pancreas Transplant Recipients**
Irene Mosca, Shruti Mittal, Joel Smith, Peter J. Friend. Oxford, Oxfordshire, United Kingdom.
- A342 Decline in Pancreas Transplantation Numbers is Accompanied with Lower Publication Rates**
S. Benjamens, C. Margreiter, E. J. P. de Koning, H. G. D. Leuvenink, R. A. Pol. Groningen, Netherlands; Innsbruck, Austria; Leiden, Netherlands.
- A343 Evolutive Analysis of a 20-Year Pancreas Transplant Program**
Marcelo Perosa, Juan Branez, Leonardo Toledo Mota, Huda Noujaim, Beimar Zeballos, Luiz Estevam Ianhez, Leon Alvim, David Machado, Celia Mitiko Watanabe, Francisco Sergi, Marcio Paredes, Tiago Genzini-Miranda, Alessandro Silvestre, Gabriela Tomaz Martinho, Tercio Genzini. Sao Paulo, Brazil; Sorocaba, Sao Paulo, Brazil.

- A344 Pancreas Outcomes between Living and Deceased Kidney Donor Recipients in Pancreas after Kidney Transplantation**
Pedro Ventura-Aguiar, Joana Ferrer, Ignacio Revuelta, David Paredes, Erika De-Sousa, Jordi Rovira, Enric Esmatjes, Juan Carlos Garcia-Valdecasas, Federico Oppenheimer, Fritz Diekmann, Maria José Ricart. Barcelona, Spain.
- A345 Pancreas Retransplantation: Outcomes of This Technical and Immunological Challenge over 38 Patients**
Fanny Paret, Diego Cantarovich, Georges Karam, Thomas Batard, Mathilde Nedelec, Julien Branchereau. Nantes, France.
- A346 A Study to Identify Marginal Factors for Donors of Pancreas Transplantation in Japan**
Taihei Ito, Takashi Kenmochi, Kei Kurihara, Naohiro Aida. Toyoake, Aichi, Japan.
- A347 Waiting List Outcomes for Patients Registered for Simultaneous Pancreas and Kidney Transplantation**
Veena Surendrakumar, James Richards, Mohammad A. Hossain, Gavin J. Pettigrew. Cambridge, United Kingdom.
- A348 How Should Pancreas Transplant Rejection Be Treated?**
Fahad Aziz, Sandesh Parajuli, Salahuddin Salahuddin, Kylie Harrold, Arjang Djamali, Brad Astor, John Odorico, Didier Mandelbrot. Madison.
- A349 Evaluation of MPA Dose on Development of DSA Following Pancreas Transplant**
Jillian Descourouez, Margaret Jorgenson, Abigail Twigg, Glen Levenson, Jon Odorico, Robert Redfield. Madison, WI.
- A350 Ideal Body Weight versus Actual Body Weight for Rabbit Antithymocyte Globulin Induction in Pancreas Transplantation**
Eric J. Martinez, Daniel C. Felix, Joshua J. Wiegel, Talal M. Al-Qaoud, Glen E. Levenson, Amanda J. Condon, Robert R. Redfield, Jon S. Odorico. Madison, WI.
- A351 Experience with Alemtuzumab Induction with Tacrolimus/ Mycophenolate +/- Steroids in Simultaneous Pancreas-Kidney Transplant Recipients with Portal-Enteric Drainage**
David I. Harriman, Alan Farney, Jeffrey Rogers, Giuseppe Orlando, Amber Reeves-Daniel, Michael Gautreaux, William Doares, Scott Kaczorski, Robert J. Stratta. Winston-Salem, NC.
- A352 Impact of a Steroid Free Immunosuppressive Regimen on Patient and Graft Outcomes in Pancreas Transplant Recipients**
Mariesa Cote, Christin Rogers, Khalid Khwaja, Amy Evenson, Martha Pavlakis, Katelyn Richards. Boston, MA.
- A353 Rejection and Graft Loss in Patients with BK Viremia after Simultaneous Pancreas and Kidney Transplant**
Daniel O. Keys, Samy M. Riad, Viral Vakil, Scott Jackson, Danielle Berglund, Arthur Matas, Raja Kandaswamy. Minneapolis, MN.
- A354 BK Viremia in Simultaneous Kidney Pancreas Recipients: Single Center Experience**
Musab Alebrahim, Ronald P. Pelletier, Amer Rajab, Ginny L. Bumgardner, Reem Daloul, Clifford Akateh, Kenneth Washburn, Ashraf El-Hinnawi. Columbus, OH.
- A355 The Effect of Steroid Maintenance in Recipients with Pancreas Transplant Alone: A Single Center Experience**
Ji Yoon Choi, Joo Hee Jung, Hyunwook Kwon, Sung Shin, Young Hoon Kim, Duck Jong Han. Seoul, Korea.
- A356 † Pancreas Transplant for Type 2 Diabetes is Associated with Preserved Function, but Impaired Glucose Tolerance: A Comparative Analysis**
Sachin Doshi, Carlo Pulitano, David Al-Adra, Andrea Norgate, Gonzalo Sapisochin, Markus Selzner, Ian McGilvray, Jeffrey Schiff, Mark Cattral. Toronto, ON, Canada.

- A357 Three-Month Pancreas Graft Function Significantly Influences Survival Following Simultaneous Pancreas-Kidney Transplantation in Type 2 Diabetes**
Tarek Alhamad, Ryan Kunjal, Andrew Malone, Daniel C. Brennan, Alexander C. Wiseman, Jason Wellen, Veronica Hicks, Krista L. Lentine. St. Louis; Denver; Baltimore.
- A358 Pancreas and Kidney Co-Transplantation in Type II Diabetes: A Single Center Experience**
Ji Yoon Choi, Joo Hee Jung, Hyunwook Kwon, Sung Shin, Young Hoon Kim, Duck Jong Han. Seoul, Korea.
- A359 Comparison of Glycemic Control in Type 1 and Type 2 Diabetic Patients after Pancreas Transplantation**
Oya M. Andacoglu, Anu Murthy, Jaeil Ahn, Jennifer Verbesey, Seyed Ghasemian, Matthew Cooper, Peter Abrams. Washington, DC.
- A360 Estimation of Beta Cell Function after Total Pancreatectomy with Islet Autotransplantation Using Single Fasting Blood Sample Based Indices and Modified IglS Score.**
Justyna Gołębiewska, Piotr Bachul, Lindsay Basto, Mark Kijek, Natalie Fillman, Kamil Cieply, Karolina Golab, Lingjia Wang, Martin Tibudan, Celeste Thomas, Alicja Dębska-Ślizień, John Fung, Piotr Witkowski. Gdańsk, Poland; Chicago.
- A361 BETA-2 Score is an Excellent Tool for Monitoring of Islet Allograft Function and Early Detection of Transplant Dysfunction**
Piotr J. Bachul, Justyna Gołębiewska, Lindsay Basto, Mark R. Kijek, Natalie Fillman, Kamil T. Cieply, Karolina Golab, Ling-Jia Wang, Martin Tibudan, Celeste Thomas, Alicja Dębska-Ślizień, John Fung, Piotr Witkowski. Chicago; Gdańsk, Poland.
- A362 Early Infectious Complications Post Total Pancreatectomy with Islet Autotransplantation**
Justyna Gołębiewska, Piotr Bachul, Lindsay Basto, Mark Kijek, Natalie Fillman, Kamil Cieply, Karolina Golab, Lingjia Wang, Martin Tibudan, Celeste Thomas, Alicja Dębska-Ślizień, John Fung, Piotr Witkowski. Gdańsk, Poland; Chicago.
- A363 Early Predictors of Metabolic Outcomes in TPIAT**
Mazhar A. Kanak, Yoshitaro Shindo, Marlon F. Levy. Richmond, VA.
- A364 Obese Patients Show Resistance to Narcotics Reduction after TPIAT for Chronic Pancreatitis**
Gumpei Yoshimatsu, Bashoo Naziruddin, Kenjiro Kumano, Hoylan T. Fernandez, Ernest Beecherl, Nicholas Onaca. Fukuoka, Japan; Dallas.
- A365 Pancreatic Graft Loss after Simultaneous Pancreas Kidney (SPK) Transplant within First 90 Days. Predictors beyond the Surgical Cause. A UNOS/OPTN Data Analysis**
Hemant Sharma, Mauro Tun Abraham, Jingwen Chen, David Mikhail, Shahid Aquil, Sanjay Patel, Anton Skaro, Vivian McAlister, Alp Sener, Patrik Luke. London, ON, Canada.
- A366 Increased Risk of Early Graft Loss in Pancreas Transplant: A Retrospective Review of the UNOS Database**
Erin Steen, Chang Liu, Eric Siskind, Jorge Ortiz. Toledo, OH; Annandale, VA.
- A367 Insulin Use after Pancreas Transplant: Implications for Post-Transplant Outcomes**
Rosemary Ouseph, K. L. Lentine, Z. Zhang, D. Axelrod, H. Randall, B. L. Kasiske, A. Israni, V. Dharnidharka, T. Alhamad, D. C. Brennan, D. L. Segev, G. P. Hess, M. A. Schnitzler. St. Louis; Burlington; Minneapolis; Baltimore; Conshohocken.

- A368 Pregnancies in Female Pancreas Transplant Alone Recipients**
Priyal Patel, Dorothy Kliniewski, Lisa A. Coscia, Dawn P. Armenti, Serban Constantinescu, Michael J. Moritz. Allentown, PA; Philadelphia; Philadelphia, PA; Tampa, FL.
- A369 Impact of New Pancreas Transplant Allocation Policy on Pancreas Transplant Volume and Outcomes: A Single Center Study**
N. Singh, A. Pulisetty, D. Aultman, R. McMillan, G. Zibari, H. Shokouh-Amiri. Shreveport, LA.
- A370 To Score a Pancreas, Stars Must Be Aligned**
Amy L. Friedman, Pradeep Bagavan, Kristin Delli Carpini. NY.
- A371 Outcomes from Brain Death Donors with Cardiac Arrest Accepted for Pancreas Transplantation**
Pedro Ventura-Aguiar, Joana Ferrer, David Paredes, Camino Rodriguez, Constantino Fontdevilla, Enric Esmatjes, Juan Carlos Garcia-Valdecasas, Federico Oppenheimer, Fritz Diekmann, Maria Jose Ricart. Barcelona, Spain.
- A372 Hypoxia Results in Endoplasmic Reticulum Stress and Activation of the Unfolded Protein Response in Isolated Human Islets and Human Donor Pancreases**
Bynvant Sandhu, Maria Prendecki, Natalie Vallant, Guy Rutter, Charles Pusey, Vassilios Papalois. London, United Kingdom.
- 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; Daville, 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**
K. Curry, S. Zimmerman, D. Cassidy, S. Gray, V. Rao, V. Rohan, N. Pilch, A. Milling, L. Curry. Charleston, SC.
- A377 Financial Impact of Testing Standardization for Solid Organ Transplant Recipients**
S. Ugolini, L. Dranow, P. Sadler, M. Berry, J. Stehlik, S. Drakos, J. Nativi, E. Gilbert, S. McKeller, A. Koliopoulou, M. Yin, E. Davis, C. Selzman, O. Wever-Pinzon. Salt Lake City, UT.
- A378 Multidisciplinary Transplant Rounds: A Step to Improved Team and Patient Satisfaction**
Kristen M. Sigafus, Elizabeth A. LaMura, Michael S. Massimiani, Chien Chiang, Kimberly N. Nicoll, Margaret A. Yoho, Melissa B. Bleicher, Susanna M. Nazarian. Philadelphia, PA.
- 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. Aleter, Muhammad A. Mujtaba. Galveston, TX.
- Quality Assurance Process Improvement**
- A373 † Improving Organ Donation Rates through a Primary Care Physician Office-Based Intervention**
Randeep Kashyap, M. Katherine Dokus, Nancy Ryan, Amy James, Rob Kochik, Roberto Hernandez, James Dolan, Peter Veazie, Mark Orloff, Scott McIntosh. Rochester, NY.

- A380 Multidisciplinary Approach to Prevention of Cytomegalovirus (CMV) Complications in Kidney and Liver Transplant Recipients**
Shmuel Shoham, Scott Anderson, Robin K. Avery, Maura D. Belden, Lauren Boyer, Willa V. Cochran, Niraj M. Desai, Mary J. Holechek, Edward S. Kraus, Julie Langlee, Paul Spitz, Kieren A. Marr. Baltimore, MD.
- 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**
Demetra Tsapepas, Hanlin Li, Diana Kohlberg, Brady Watts, John Monteiro, Austin Monteiro, Nick Jandovitz. New York.
- A385 Evaluation of Efficiency and Patient Perception of Solid Organ Transplant Medication Education after Pharmacist-Created Video Education**
Yvette Mitchell, Jessica Volpendesta, Joy Vongspanich-Dray. Sacramento, CA.
- 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**
M. Cook, I. Feurer, L. Smith, S. Rega, E. Zavala. Nashville, TN.
- A392 The Providers Can't Let Go! An Analysis of an RN Driven Tacrolimus Dose Adjustment Protocol**
Z. Elmaasarani, C. Mardis, L. Gylten, J. Fleming, H. Meadows, N. Patel, C. Perez, D. Taber, V. Rao, V. Rohan, P. Baliga, D. Dubai, N. Pilch. Charleston.
- 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**
Ingrid Gan, Jifu Jiang, Dameng Lian, Xuyan Huang, Winnie Liu, Aaron Haig, Anthony M. Jevnikar, Zhu-Xu Zhang. London, ON, Canada.
- 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**
Giorgio Raimondi, P. Majumder, V. Ivanova, X. Calderon-Colon, A. Mirdad, M. Iglesias Lozano, W. P. A. Lee, G. Brandacher, J. Schneider, J. Patrone. Baltimore; Frederick; Laurel.
- A399 IL-10 Requirement in *In Vitro* Expanded Breg-Mediated Allograft Tolerance is Tissue Specific**
Chen Dai, Kang Mi Lee, Lisa Kojima, Kevin Deng, Shoko Kimura, Charles Rickert, Heidi Yeh, James Markmann. Boston, MA.
- A400 A Novel Conditioning Approach to Establish Chimerism Using Manipulation of JAK-STAT Pathways**
Hong Xu, Andrea Merchak, Larry Kahn, Anita Chhabra, Yujie Wen, Yiming Huang, Suzanne Ildstad. Louisville, KY.
- A401 Characterization of Renal Allograft Tolerance Induction via Transient Mixed Chimerism in Non-Human Primates**
Hajime Sasaki, C. C. Thaiss, Tetsu Oura, Ivy A. Rosales, R. N. Smith, Robert B. Colvin, Benedict A. Cosimi, Tatsuo Kawai. Boston.
- A402 Human CD8⁺CD28⁻ Ts Cells Expanded by Common Gamma Chain (γ_c) 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**
Dixon B. Kaufman, Lynn Haynes, Peiman Hematti, Will Burlingham, Lisa Forest, Jen Post, Robert Redfield, Luis Fernandez, Anthony D'Alessandro, John Haynes, Kent Jensen, Samuel Strober. Madison, WI; Palo Alto, CA.
- A405 Achieving Allograft Tolerance through Antigen-Specific Regulatory B Cells**
Charles Rickert, Shoko Kimura, Lisa Kojima, Kang Mi Lee, Mohamed Aburawi, Fermin 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 Efre, 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.

- A408 Myeloid Derived Suppressor Cells Are Induced after Transplantation and Home to the Transplanted Kidney**
Young S. Lee, Eduardo Davila, Jonathan S. Bromberg, Joseph R. Scalea. Baltimore, MD.
- A409 High Fibre Diet Induces Donor Specific Kidney Allograft Tolerance in Mice**
Huiling Wu, Tony Kwan, Yik Wen Loh, Chuanmin Wang, Laurence Macia, Stephen Alexander, Steven Chadban. Sydney, Australia.
- A410 Human CD8⁺CD28⁻ T Cells Driven *In Vitro* by IL-15 Suppress in Allo-Specific Manner Partially through PD-1:PD-L1 Pathway**
Fu Feng, Guihuan Liu, Ping Zhu, Manman Zhu, Xiao Lu, Jiumin Liu, Xunrong Luo, Yanjun Liu, Yuming Yu. Guangzhou, Guangdong, China; Chicago, IL.
- A411 Post-Transplant High Dose Cyclophosphamide Treatment Induces Thymus-Independent Immune Tolerance of Vascularized Composite Allografts via Complete Depletion of the Alloreactive TCR Repertoire.**
Georg J. Furtmüller, Byoung Chol Oh, John-William Sidhom, Madeline L. Fryer, Veronika Malek, Xianyu Zhou, Damon S. Cooney, Cory Brayton, Jeffrey Dodd-o, Sudipto Ganguly, Giorgio Raimondi, W. P. Andrew Lee, Leo Luznik, Gerald Brandacher. Baltimore, MD.
- A412 Acute Murine CMV Infection Results in Loss of Intragraft CD73^{hi}FR4^{hi}PD1⁺ CD4 T Cells and Graft Rejection in Previously Tolerant Recipients**
Anil Dangi, Lei Zhang, Xiaomin Zhang, Xunrong Luo. Chicago, IL.
- A413 TGF- β Plus Rapamycin Induce Foxp3 and Promote iTreg Development and Suppressive Function, Leading to Long-Term Allograft Survival**
Liqing Wang, Arabinda Samanta, Rongxiang Han, Ning Zhou, Wayne W. Hancock. Philadelphia, PA.
- A414 T Cell Immunomonitoring Including Donor Specific Treg Expansion Prospectively Predicts Renal Allograft Tolerance Induced by Transient Mixed Chimerism**
Kiyohiko Hotta, Tetsu Oura, Abbas Dehnadi, Kyu Ha Huh, Masatoshi Matsunami, Hajime Sasaki, Gilles Benichou, Joren C. Madsen, A. Benedict Cosimi, Tatsuo Kawai. Boston, MA.
- A415 Immunomodulation of Alloantibody Responses**
Christian Schuetz, Mihail Climov, Aarti R. Paril, Zhaohui Wang, Alec Andrews Roy, Nalu Navarro Alvarez, Abraham J. Matar, David H. Sachs, Raimon Duran-Struuck, Christene A. Huang. Boston, MA.
- A416 M-CSF and TNF- α Induce Human MDSCs That Attenuate GVHD**
Feng Han, Chenguang Ding, Yanlong Zhao, Puxun Tian. Xi'an, China.
- A417 The Role of pDCs in Formation of Treg-Rich Organized Lymphoid Structures in Spontaneously Accepted Murine Kidney Allografts is Dependent on Mismatching of MHC Class II Molecules at the H2-I-A^b Locus**
Thomas F. O'Shea, Chao Yang, Ivy Rosales, Nicholas Oh, Dorothy K. Ndishibandi, Tameem M. Ashry, Paul S. Russell, Joren C. Madsen, Robert B. Colvin, Alessandro Alessandrini. Boston, MA.
- A418 Standard Induction Immunosuppression Interferes with the Role of Vascularized Bone Marrow in Vascularized Composite Allograft Protection**
N. M. Shockcor, E. B. Buckingham, W. Hassanein, A. J. Nam, S. T. Bartlett, R. N. Barth. Baltimore, MD.
- A419 Prolongation of Skin Allograft Survival through Dietary Supplementation of Ayr1 Hydrocarbon Receptor Ligands**
Amin Afrazi, Leah Owens, John Fechner, Chelsea O'Driscoll, Joshua Mezrich. Madison, WI.

- A420 Long Noncoding RNA NEAT1 Induces Tolerogenic Dendritic Cells in Heart Transplantation**
Jian Wu, Yang Zheng, Shuang Li, Maomao Zhang, Hanlu Zhang, Xianghui Zheng, Yong Sun, Bo Yu. Harbin, Heilongjiang, China.
- A421 Heart *En Bloc* Thymus Cotransplantation in NHPs Controls Cellular but Not Humoral Alloreactivity**
Wiebke Sommer, Jane M. O., Kurt B. Pruner, Joshua T. Paster, Isabel M. Hanekamp, Abbas Dehnadi, Ivy Rosales, Rex N. Smith, Robert B. Colvin, Gilles Benichou, James S. Allan, Joren C. Madsen. Boston.
- A422 CD4⁺CD25^{bright} 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, Lakshmi 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**
Wiebke Sommer, Jane M. O., Kortney A. Robinson, Abbas Dehnadi, Isabel M. Hanekamp, Ivy Rosales, Kurt B. Pruner, Rex N. Smith, Robert B. Colvin, Tatsuo Kawai, Gilles Benichou, Joren C. Madsen, James S. Allan. Boston.
- A429 α -1 Antitrypsin Facilitate Apoptosis Donor Cells Inducing Donor Specific Protection to Mice Cardiac Allografts**
Guodong Chen, Xingqiang Lai, Longhui Qiu, Yi Zhao, Shuangjin Yu, Chang Wang, Jin Zhang, Fen Ning, Lizhong Chen. Guangzhou, Guangdong, China.
- A430 NOS2 Deficiency Limits Long Term Survival of Murine Kidney Allografts**
Imad Aljabban, Bo Jiang, Chao Yang, Thomas O'Shea, Dorothy Ndishabandi, Rebecca White, Paul S. Russell, Robert B. Colvin, Joren C. Madsen, Alessandro Alessandrini. Boston, MA; Hershey, PA.
- A431 Kidney Allografts Confer Tolerance upon Co-Transplanted Heart Allografts by Promoting Tregs**
C. Yang, T. M. Ashry, I. Rosales, J. Ge, T. F. O'Shea, R. A. White, P. S. Russell, J. C. Madsen, R. B. Colvin, A. Alessandrini. Boston.
- A432 Effect of Erythropoietin on Cardiac Allograft Survival in Non-Human Primates**
Jane O., Kortney Robinson, Wiebke Sommer, Kurt Pruner, Joshua Paster, Isabel M. Hanekamp, Abbas Dehnadi, Ivy Rosales, Rex Neal Smith, Paolo Cravedi, Peter S. Heeger, Gilles Benichou, Joren C. Madsen. Boston; New York.

- 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, Xiangyuan Jin, Shuang Li, Qi Zhao, Xianglan Liu, Yong Sun, Bo Yu. Harbin, Heilongjiang, China.
- A440 † Loss of HIF-1 α in CD4 T Cell Improve Outcome of Mouse Vascularized Osteomyocutaneous Allotransplantation under Costimulation Blockade**
Cheng-Hung Lin, Madonna Rica Anggela, Huang-Yu Yang, Wen-Yu Chuang, Hui-Yun Cheng, Fu-Chan Wei, Gerald Brandacher. Taoyuan, Taiwan; Baltimore, MD.
- A441 Umbilical Cords-Derived Mesenchymal Stem Cells Ameliorates Hepatic Ischemia-Reperfusion Injury via Activating the AMPK-mTOR/ULK1 Signaling Pathway Enhanced Autophagy**
Jun Zheng, Jianye Cai, Liang Chen, Jia Yao, Kaining Zeng, Haibo Li, Yingcai Zhang, Yang Yang. Guangzhou, Guangdong, China.
- 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.

Tolerance: Clinical Studies

- A443 † The Relative Immunogenicity of HLA Mismatches in Adult Liver Transplant Recipients**
Vadim Jucaud, Abraham Shaked, Michele DesMarais, Peter Sayre, Matthew J. Everly. Los Angeles, CA; Philadelphia, PA; Seattle, WA.

- A444 † Genome-Wide Association Study Assessing Risk of Rejection in Pediatric Transplant Recipients**
Tanya Papaz, Sandar Min, Odelia Lee, Tom Blydt-Hansen, Upton Allen, Yaron Avitzur, Patricia Birk, Bethany Foster, Hartmut Grasemann, Lorraine Hamiwka, Rulan Parekh, Veronique Phan, Simon Urschel, Seema Mital. Toronto, ON, Canada; Winnipeg, MB, Canada; Vancouver, BC, Canada; Montreal, QC, Canada; Calgary, AB, Canada; Edmonton, AB, Canada.
- A445 Genome-Wide Association Study of Tacrolimus Dose in Pediatric Solid Organ Transplant Recipients in the CNTRP POSITIVE Study**
Sandar Min, Tanya Papaz, Tom Blydt-Hansen, Odelia Lee, Upton Allen, Patricia Birk, Hartmut Grasemann, Lorraine Hamiwka, Catherine Litalien, Vicky Ng, Rulan Parekh, Kathryn Tinckam, Simon Urschel, Bethany Foster, Seema Mital. Toronto, Canada; Winnipeg, Canada; Vancouver, Canada; Calgary, Canada; Montreal, Canada; Edmonton, Canada.
- A446 Reduction in Circulating CD19⁺CD24⁺CD27⁺ Regulatory B Cell Frequency Predicts Acute Rejection in Liver Transplant Patients**
Haoming Zhou, Zhuqing Rao, Yunjie Lu, Jianhua Rao, Jian Gu, Ling Lu, Yongxiang Xia. Nanjing, China.
- A447 Association between Everolimus Trough Levels, Onset of Related Adverse Events, and Treatment Discontinuation after Liver Transplantation: 24-Month Results from the H2304 Study**
J. Fung, F. Saliba, H. J. Schlitt, G. Junge, K. McCague, D. Patel, M. Charlton. Chicago; Basel, Switzerland; East Hanover.
- A448 Post-Hoc Analysis of Everolimus Trough Levels around the Onset of Related Adverse Events and Treatment Discontinuation in *De Novo* Kidney Transplant Recipients from the US92 Study**
F. Shihab, Y. Qazi, V. R. Peddi, D. Shaffer, K. McCague, D. Patel, S. P. Mulgaonkar. Salt Lake City; East Hanover.

Poster Session B

Poster Viewing: 6:00 pm – 7:00 pm
Presenters in Attendance: 6:00 pm – 7:00 pm

pm

Hall 4EF

A# indicates the board location where the poster will be displayed.

- † Those posters identified as an ATC Poster of Distinction by this symbol have received review scores that place them in the top 10% of their category. The Planning Committee encourages you to make them a priority when you visit the poster session.

Acute and Chronic Graft Injury

- B1 †** **Metabolic Regulation of Neuropeptides Induces Weight Loss and is Linked to Prolongation of Allograft Survival**
Markus Quante, Timm Heinbokel, Koichiro Minami, Yeqi Nian, Abdallah Elkhal, Stefan G. Tullius. Boston, MA; Tuebingen, Germany.
- B2** **Application of RNA-Seq Derived Diagnostic Algorithms of T-Cell Mediated Kidney Rejection (TCMR) to DNA Microarray-Based Gene Expression Datasets**
Zijie Wang, Ling Pan, Zili Lyu, Peng Liu, George Tseng, Parmjeet Randhawa. Pittsburgh, PA; Nanning, China.
- B3** **Thymic Irradiation as a Maneuver for Repertoire Exchange in Costimulatory-Blockade-Based Immunotherapy**
Michael S. Mulvihill, Brian D. Ezekian, Qimeng Gao, Kannan P. Samy, R. Patrick Davis, Frank L. Leopardi, William Giles, Fang-Fang Yin, Christopher G. Willett, Bradley H. Collins, Allan D. Kirk. Durham, NC.
- 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. Upadhyay, Pamela T. Manning, Joseph P. Gaut, Yiing Lin, William C. Chapman. St. Louis, MO.
- B6** **Comparative Analysis of Alloantigen-Stimulated Gene Expression in HIV(+) Liver Transplant Rejectors versus Non-Rejectors**
Simon N. Chu, Karim Lee, Casey Ward, Peter G. Stock, Qizhi Tang. San Francisco, CA.
- 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**
Georg J. Furtmueller, Veronika Malek, Byoung Chol Oh, Sashank Reddy, Marcos Iglesias, Giorgio Raimondi, Gerald Brandacher, Damon Cooney. Baltimore.
- B10** **Improved Mouse Renal Transplantation Model Mimicking Clinical Antibody Mediated Rejection**
Daqiang Zhao, Tao Liao, Siwen Li, Jing Zhou, Fei Han, Yu Dong, Qiquan Sun. Guangzhou, Guangdong, China; Guangzhou, Guangdong, China.
- B11** **An In Vitro Model of Human Antibody-Mediated Rejection Depicts Key Role for NK Cells**
Luis G. Hidalgo, Maud Racape, Alex Loupy, Carmen Lefaucheur. Edmonton, AB, Canada; Paris, France.

- B12 Targeting Histone Deacetylase in Renal Tubular Epithelial Cells Inhibits Amplification of TH1 Cell-Mediated Inflammation**
Sunwoo Kang, Yeonghoon Kim, Sukil Seo. Busan, Korea.
- B13 Primary Insult to the Native Lungs Are Needed for Antibodies to Lung Self-Antigens, K α 1Tubulin and Collagen V, to Be Pathogenic for the Development of Obliterate Airway Disease**
Monal Sharma, W. Liu, T. Mohanakumar. Phoenix.
- 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 Kathz, 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 Kathz, 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**
Rosa G. M. Lammerts, Jaap van den Born, Wendy A. Dam, Marc A. J. Seelen, Bouke G. Hepkema, Bart Jan Kroesen, Mohamed R. Daha, Robert A. Pol, Stefan P. Berger, On behalf of the COMBAT Consortium. Groningen, Netherlands.
- B21 Targeting LT β R Classical NF κ B Signaling Facilitates Inflammation Resolution**
Wenji Piao, Y. Xiong, L. Li, V. Saxena, Jonathan Bromberg. Baltimore.
- 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

P. Urbanellis, M. Hamar, I. Linares, D. Kollmann, S. Ganesh, R. John, P. Yip, I. Mucsi, A. Ghanekar, D. Bagli, A. Konvalinka, D. Grant, L. Robinson, M. Selzner. Toronto, ON, Canada.

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?

Yermek Nigmat, Koichiro Hata, Yusuke Okamura, Ichiro Tamaki, Tatsuaki Tsuruyama, Hirofumi Hirao, Toyonari Kubota, Jiro Kusakabe, Junichi Yoshikawa, Toru Goto, Tetsuya Tajima, Hirokazu Tanaka, Shinji Uemoto. Kyoto, Japan.

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 (ETA_R) 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

Jignesh Patel, Michelle Kittleson, Evan Kransdorf, Ryan Levine, Sadia Dimbil, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.

B32 † The Continuous Debate of Older Donors into Older Recipients: Another Angle

Jignesh Patel, Michelle Kittleson, Evan Kransdorf, Sadia Dimbil, Ryan Levine, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.

B33 † Amiodarone Use Increases Morbidity Not Mortality in Pediatric Heart Transplant Recipients

Shahnawaz M. Amdani, Aarti Dalal, Kathleen Simpson, Janet Scheel, Aaron Abarbanell, Pirooz Eghtesady, Charles Canter, Chesney Castleberry. St. Louis, MO.

B34 The Combination of pAMR and Circulating Donor-Specific Antibodies is Even More Associated with Cardiac Allograft Vasculopathy after Heart Transplant

Jignesh Patel, Michelle Kittleson, Evan Kransdorf, Sadia Dimbil, Ryan Levine, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.

- B35 Heart Transplant across Low or Moderate Level Donor-Specific Antibodies Have Acceptable Outcome**
Michael Olymbios, Jignesh Patel, Ryan Levine, Sadia Dimbil, Michelle Kittleson, Matthew Rafiei, Xiaohai Zhang, Jon A. Kobashigawa. Los Angeles.
- B36 Single vs. Multi-Drug Antibiotic Prophylaxis for Continuous-Flow Left Ventricular Assist Device Implantation: A Systematic Review and Meta-Analysis**
Sinal Patel, Jae Hwan Choi, Ester Moncho Escrivà, Syed Saif A. Rizvi, Louis E. Samuels, Jessica G. Y. Luc, Rohinton Morris, Howard T. Massey, Vakhtang Tchantchaleishvili, Nana Aburjania. Philadelphia, PA; Granada, Spain; Edmonton, AB, Canada.
- 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**
Evan Kransdorf, Jignesh Patel, Michelle Kittleson, Sadia Dimbil, Ryan Levine, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.
- 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 Yeramaneeni, 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?**
Evan Kransdorf, Jignesh Patel, Michelle Kittleson, Ryan Levine, Sadia Dimbil, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.
- B43 What Threshold MFI is the Luminex 1:8 Dilution the Poor Man's C1q for Patients Awaiting Heart Transplant?**
Michelle Kittleson, Jignesh Patel, Evan Kransdorf, Ryan Levine, Sadia Dimbil, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.
- B44 Hemodynamic and Functional Analysis of Human DCD Hearts Undergoing Normothermic Ex Vivo Perfusion**
Wiebke Sommer, Nathalie Roy, Sumner Kilmarx, Jane M. O., James S. Titus, Mauricio Villavicencio, James R. Stone, Joren C. Madsen, David D'Alessandro. Boston.
- B45 Impact of Sleep Apnea Syndrome on Late Graft Dysfunction**
Aasim Afzal, Kristen M. Tecson, Aayla K. Jamil, Anum Wazir, Joost Felius, Huanying Qin, Puneet S. Garcha, Sandra A. Carey, Shelley Hall. Dallas, TX.
- B46 Lymphocyte Proportions Post Thymectomy Are Associated with Allergic Disorders in Heart Transplanted Children**
Tiffany B. Kim, Lavinia Ionescu, Nicholas Avdimiretz, Ingrid M. Larsen, Faye Murdoch, Bruce Motyka, Susan Gilmour, Lori J. West, Simon Urschel. Edmonton, AB, Canada; Edmonton, Canada; Toronto, Canada.
- B47 Kidney Graft Outcomes in Combined Heart-Kidney Transplantation: A UNOS Database Analysis 2000-2015**
Asad Riaz, Oluwafisayo Adebisi, 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 Neme, 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**
Jignesh Patel, Michelle Kittleson, Evan Kransdorf, Ryan Levine, Sadia Dimbil, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.
- B52 Cardiac MRI May Help to Determine When to Refer Heart Transplant Patients for Redo Heart Transplant**
Michelle Kittleson, Jignesh Patel, Evan Kransdorf, Sadia Dimbil, Ryan Levine, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.
- B53 Safety and Efficacy of Rabbit Anti-Thymocyte Globulin Induction in Pediatric Patients Undergoing Cardiac Transplantation**
Megan L. Sell, Amy L. Haney, Kathleen H. Sprott, Ali J. Burnette, Heather Henderson, Andrew Savage. Charleston, SC.
- B54 Is Renal Function after Heart Transplantation an Issue for Patients with Cardiac Amyloidosis?**
Jignesh Patel, Michelle Kittleson, Evan Kransdorf, Ryan Levine, Sadia Dimbil, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.
- B55 Congestive Hepatic Fibrosis: Correlation with Cardiac Hemodynamics and Changes after VAD or Cardiac Transplant**
Sadhna Dhingra, 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**
Jignesh Patel, Michael Johl, Evan Kransdorf, Michelle Kittleson, Sadia Dimbil, Ryan Levine, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles, CA.
- B57 Less Induction Therapy Means Fewer Early Readmissions with No Change in Rejection or Infection**
S. Kush, K. Boyle, J. Gray, S. Rega, I. Feurer, A. Shah, J. Lindenfeld. Nashville, TN.
- 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**
Michelle Kittleson, Jignesh Patel, Evan Kransdorf, Ryan Levine, Sadia Dimbil, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.
- B60 MCS and Desensitization**
Jon A. Kobashigawa, Jignesh Patel, Evan Kransdorf, Sadia Dimbil, Ryan Levine, Elizabeth Passano, Lawrence Czer, Jaime Moriguchi, Francisco Arabia. Los Angeles.
- 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. Bham, 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**
Ryan Levine, Jignesh Patel, Michael Levine, Michelle Kittleson, Evan Kransdorf, Sadia Dimbil, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.
- B65 IVIG Induction May Be Helpful in Highly Sensitized Patients after Heart Transplantation**
Jignesh Patel, Michelle Kittleson, Evan Kransdorf, Ryan Levine, Sadia Dimbil, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.
- B66 Decreased Post Heart Transplant Survival with Epstein-Barr Virus Mismatch in the Current Era**
Michelle Kittleson, Jignesh Patel, Evan Kransdorf, Sadia Dimbil, Ryan Levine, Savannah Mersola, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.
- 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**
Markus J. Barten, Carolin Neumaier, Alexander Bernhardt, Meike Rybczynski, Rosemarie Plaetke, Hermann Reichenspurner. Hamburg, Germany.
- 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**
Michelle Kittleson, Jignesh Patel, Evan Kransdorf, Sadia Dimbil, Ryan Levine, Dael Geft, David H. Chang, Lawrence Czer, Rayshma Sharoff, Jon A. Kobashigawa. Los Angeles.
- B71 Heart Transplantation in Patients with Complex Congenital Heart Disease**
Michelle Kittleson, Jignesh Patel, Evan Kransdorf, Sadia Dimbil, Ryan Levine, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa, Ruchira Garg, Evan Zahn. Los Angeles.
- 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 Tatoes, Patroklos Pappas. Oak Lawn, IL.
- B73 Late Donor-Specific Antibody (Especially Class II) Development is Associated with an Increased Risk for Cardiac Allograft Vasculopathy**
Evan Kransdorf, Jignesh Patel, Michelle Kittleson, Ryan Levine, Sadia Dimbil, Dael Geft, David H. Chang, Lawrence Czer, Jon A. Kobashigawa. Los Angeles.
- 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.

- B75 † Pancreas Decellularization Protocol – Comparison of Methods**
Andrzej Berman, Kamil Karzynski, Marta Serwanska-Swientek, Natalia Pilka, Marta Klak, Katarzyna Kosowska, Justyna Cichon, Filip Ambrozkiwicz, 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***
Yoshitaro Shindo, Robert Pouillot, Bethany M. Young, Patrick Link, Rebecca L. Heise, Marlon F. Levy, Mazhar A. Kanak. Richmond.
- B78 † Analysis of Human Islet Damage during *In Vitro* Culture Using miRNA 375**
Yoshitaro Shindo, Marlon F. Levy, Mazhar A. Kanak. Richmond.
- B79 † Changes in Gene Expression of Selected Genes in Patient with Type 1 Diabetes in Peripheral Blood**
Marta Klak, Justyna Cichoń, Filip Ambrozkiewicz, Andrzej Berman, Marta Serwańska-Świątek, Michał Wszola. Warsaw, Poland.
- B80 Ex-Vivo Pretreatment of Islets with Mitomycin-C Have a Potential to Induce Specific Immune Response for Peripheral Tolerance**
Naoya Sato, Akira Kenjo, Takashi Kimura, Ryo Okada, Terushige Ishigame, Yasuhide Kofunato, Junichiro Watanabe, Makoto Muto, Seiko Suzushino, Tatsuo Shimura, Shigeru Marubashi. Fukushima, Japan.
- B82 Quantification of the Indirect Effect of Recipient Characteristics on Kidney Graft Function**
Swati Rao, Avrum Gillespie, Iris J. Lee, Kwan N. Lau, Sunil Karhadkar, Antonio Di Carlo, Serban Constantinescu. Philadelphia, PA.
- 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**
N. Pilch, C. Mardis, H. Meadows, J. Fleming, N. Patel, C. Perez, P. Baliga, D. Dubay, V. Rohan, V. Rao, D. Taber. Charleston.
- B85 The Brazilian Epitope Virtual Crossmatch Protocol: A Reliable Tool for Increasing Kidney Allocation among Highly Sensitized Patients**
Luiz Claudio D. M. Sousa, Adalberto S. Silva, Mário Sérgio C. Marroquim, Antônio Gilberto B. Coelho, Antônio Vanildo S. Lima, Felipe R. Silva, Cristina vG. Carracosa, Glauco Henrique Willcox, Isa Maria T. Leão, Bruno M. Correa, Elizabeth L. Guimarães, Gabriella C. Maciel, João Marcelo M. Andrade, Amaro M. Andrade, Ruy L. C. Neto, Samuel A. Cavalcante, Cristiano S. Leão, Frederico C. B. Cavalcante, Alexandre Holanda, Noemy A. C. Gomes, André B. P. Rego, Semiramis J. H. Monte. Teresina, PI, Brazil; Curitiba, PR, Brazil; Recife, PE, Brazil.
- B86 † Kidney after Liver Transplant: A Matched Pair Analysis**
M. Eerhart, J. Reyes, J. Danobeitia, L. Zitur, P. Chlebeck, L. Fernandez. Madison, WI.
- 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.

- B87 †** **Evanescent Antibodies: A Report on the Natural History of Anti-Blood Group A₂ Antibodies and Their Rapid Resolution in Patients Awaiting A₂ to B Transplantation**
Shannon Radomski, Sandra Rosen-Bronson, Dong Li, Mariam Awwad, Gayle Vranic, Basit Javaid, Peter Abrams, Soo Yi, Matthew Cooper, Alexander Gilbert. Washington, DC.
- B88** **One-Year Graft Survival for Longevity Matched Kidneys in the Post-KAS Era**
Amber R. Wilk, Mark Aeder, Vincent Casingal, Nicole Turgeon. Richmond, VA; Cleveland, OH; Charlotte, NC; Atlanta, GA.
- B89** **Temporal Changes in Impact of HLA Mismatch among Pediatric Kidney Transplant Recipients**
Jessica Ruck, Allan Massie, Niraj Desai, Dorry Segev, Jacqueline Garonzik-Wang. Baltimore, MD.
- B90** **Non-Immunologic Pairing of Kidney Transplant Donors and Recipients: How Important is HLA Match Status?**
Amanda J. Miller, Bryce Kiberd, Karthik K. Tennankore. Halifax, NS, Canada.
- B91** **Prospective Validation of Prediction Models for Kidney Discard**
Sheng Zhou, Allan Massie, Courtenay Holscher, Madeleine Waldram, Dorry Segev. Baltimore.
- B92** **Does Prolonged Cold Ischemia Affect Outcomes in Donation after Cardiac Death Kidney Transplants?**
David I. Harriman, Jeffrey Rogers, Alan Farney, Giuseppe Orlando, Amber Reeves-Daniel, Michael Gautreaux, William Doares, Scott Kaczowski, 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**
R. Rajalingam, D. Gae, Z. Laszik, G. Roll, M. Tavakol, C. Freise, D. Adey, A. Webber, D. Dobi, K. Cunniffe, G. da Gente, N. Ascher, P. Stock, J. Roberts. San Francisco.
- B94** **DonorNet and Biases in Decision-Making: An Organ Offer Simulation Study**
D. Stewart, J. Lindemans, J. Schold, H. McGehee, J. Kessler, C. Sullivan, M. Turner, K. Mekeel, C. Berg, R. Stratta, R. Formica, L. Ratner, D. Klassen, B. Shepard. Richmond; Durham; Cleveland; Philadelphia; San Diego; Winston-Salem; New Haven; NY.
- 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**
Allan Massie, Deidra Crews, Tanjala Purnell, Jacqueline Garonzik-Wang, Dorry Segev. Baltimore.
- B97** **Race and Socioeconomic Disparities in Organ Type, Recovery and Readmission in Kidney Transplant Recipients**
Alice Crane, Tyler Coy, Nitin Yerram, Mohamed Eltemamy, Emilio Poggio, Richard Fatica, Alvin Wee, Charles Modlin, Venkatesh Krishnamurthi. Cleveland.
- B98** **Two Decades of Eurotransplant Senior Program (ESP): Time on Dialysis Independently Impacts Patient Survival, Allograft Survival and Quality of Life after Kidney Transplantation**
Thomas Schachtner, Natalie M. Otto, Petra Reinke. Berlin, Germany.
- B99** **Exploring the Impact of Recipient Age with Kidney Donor Risk Index and Estimated Glomerular Filtration Rate at One Year Following Kidney Transplant**
Samuel Chan, Mark D. Chatfield, Keshwar Baboolal. Adelaide, South Australia, Australia; Brisbane, Queensland, Australia.

- B100** **Sharing Works; Avoiding Kidney Transplantation to an Unintended Recipient by Precision Virtual Cross Match with Excellent Outcomes**
G. R. Roll, A. B. Webber, M. Travakol, D. Gae, L. Mayen, V. Corpuz, J. P. Roberts, N. L. Ascher, P. G. Stock, R. Rajalingam. San Francisco; San Ramon.
- 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, Basit 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**
Sara Jiménez Alvaro, Ana María Fernández Rodríguez, Cristina Galeano Alvarez, Sandra Elías Treviño, Javier Burgos, Fernando Liaño García. Madrid, Spain.
- B110** **Early Outcomes and Risk Factors after Five Years of a Nationwide Strategy for Kidney Transplantation with Controlled Circulatory Death Donor (cDCD)**
Jose Portoles, M. J. Perez Saez, D. Hernandez, J. Juega, F. Moreso, N. Maruri, P. Lopez, E. Melilli, D. Navarro, E. de Souza, J. C. Ruiz, M. A. Mazuecos, A. Gutierrez, I. Perez-Flores, D. Janeiro, J. Pascual. Madrid, Spain.
- 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**
Navdeep Kaur, Malek Kamoun, Jane Kearns, Jennifer Trofe-Clark, Peter L. Abt, Matthew H. Levine, Simin Goral. Philadelphia.

- 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 Kaczorski, 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**
Hasan Khamash, Jill Adamski, Raymond Heilman, Amit Mathur, Adyr Moss, Anjushree Kumar, Qun Lu, Kunam Reddy. Phoenix.
- 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**
Joseph Keith Melancon, Mehdi Nayebpour, Karthika Mahendran, Holden Spivak, Naoru Koizumi. Washington, DC.
- 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**
S. R. Freedman, B. R. Ravichandran, B. M. Masters, E. L. Heil, K. K. Saharia, J. S. Bromberg, A. Haririan, T. M. Sparkes. Baltimore.
- 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**
Guodong Chen, Zixuan Wu, Chang Wang, Xiaomian Liu, Changxi Wang, Lizhong Chen. Guangzhou, Guangdong, China.
- 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**
Brett Rollins, Samira Farouk, Graciela DeBoccardo, Susan Lerner, Meenakshi Rana, Shirish Huprikar, Leandra Miko, Veronica Delaney, Sander Florman, Ron Shapiro. New York.
- 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**
Elizabeth A. Misch, Soibhan R. Kelley, Glen E. Levenson, Brad C. Astor, Dixon B. Kaufman. Madison.
- B139** **A Comparison of Alemtuzumab versus Antithymocyte Globulin Induction in High-Risk, Non-Sensitized Renal Transplant Recipients**
Shree Patel, Alicia Lichvar, Enrico Benedetti, Patricia West-Thielke. Chicago.
- B140** **The Influence of Rabbit Antithymocyte Globulin (rATG) Dose on the Incidence of CMV Infection in Kidney Transplant Recipients Receiving No Pharmacological Prophylaxis. A Propensity Score Matched Cohort Analysis**
Mayara Ivani de Paula, Sunjae Bae, Jacqueline Garonzik-Wang, Claudia R. Felipe, Marina P. Cristelli, Allan B. Massie, Jose Medina-Pestana, Dorry Segev, Helio Tedesco Silva Junior. Baltimore, MD; Sao Paulo, Brazil; Baltimore, MD, Brazil.
- B141 †** **Once-Daily versus Twice-Daily Tacrolimus in *De Novo* Living Kidney Transplantation Patients: A Multicenter, Parallel Group, Open-Label, 5-Year Randomized Noninferiority Trial**
Yoichi Kakuta, Masayoshi Okumi, Kohei Unagami, Miyuki Furusawa, Hideki Ishida, Kazunari Tanabe. Tokyo, Japan.
- B142** **Anti-Thymocyte Globulin vs. Alemtuzumab: A Comparison of Long-Term Outcomes among Renal Transplant Recipients**
Erin Loncharic, Adam Dodson, Kristofer Gutierrez. Birmingham, AL.
- B143** **Alemtuzumab Induction is Effective and Safe in Elderly Kidney Transplant Recipients**
Alexander Toledo, Kristen Szempruch, Pablo Serrano, Kenneth Andreoni, Tomasz Kozlowski. Chapel Hill.
- B144** **Developing a Rationale for an Appropriate Immunosuppressive Regimen in Lung vs Kidney Transplant Recipients: Effects of Induction Therapy**
Paloma L. Martin-Moreno, Ho Sik Shin, Hillary J. Goldberg, Anil 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**
Puneet Sood, Wu Christine, Rajil Mehta, Amit Tevar, Chethan Puttarajappa, Kristine Schonder, Kristen Shimko, Sundaram Hariharan. Pittsburgh.
- 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**
Chelsey Song, Xun Luo, Lindsey Pote, Sara Strout, Dorry Segev, Niraj Desai, Ahmet Gurakar, Fizza Navqi, Jacqueline Garonzik Wang. Baltimore.
- 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**
Takahisa Hiramitsu, Kenta Futamura, Manabu Okada, Makoto Tsujita, Toshihiro Ichimori, Norihiko Goto, Shunji Narumi, Yoshihiko Watarai. Nagoya, Aichi, Japan.
- B157** **Obesity is Associated with Increased Risk of Mortality among Living Kidney Donors**
R. D. Reed, A. B. Massie, D. Sawinski, P. A. MacLennan, B. A. Shelton, M. N. Mustian, D. M. McWilliams, V. Kumar, R. B. Mannon, R. Gaston, D. L. Segev, C. E. Lewis, J. E. Locke. Birmingham; Baltimore; Philadelphia.
- 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 Kindey Donation for Transplantation: The Concept of Estimated Renal Functional Reserve (eRFR)**
Vincenzo Cantaluppi, Gabriele Guglielmetti, Marta Mora, Andrea Airoidi, 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**
Zubir Ahmed, Daniel Bordom, Josh Brown, Ben Ridley, Raphael Uwechue, Pankaj Chandak, Nicos Kessarar, Narayan Kurunanithy, Nizam Mamode. London, United Kingdom.
- 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**
M. Waldram, A. Thomas, A. Muzaale, C. Holscher, A. Nguyen, S. Halpern, S. Anjum, J. Alejo, B. Boyarsky, S. Ottman, J. Garonzik-Wang, D. Segev, A. Massie. Baltimore.
- B167 The Effect of Donor Nephrectomy in the Older Living Kidney Donor: Single Centre Experience**
Konstantinos Koutroutsos, Andreas Kousios, Rawya Charif, Jack Galliford, Natasha Stubbs, Harvinder Dulku, Honeylet Orr, Marina Loucaidou. London, United Kingdom.
- 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
J. Leventhal, L. Gallon, J. Mathew, J. Miller, D. Stare, S. Ildstad. Chicago; Louisville.

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
J. Leventhal, A. Shetty, L. Gallon, K. Kurtenbach, D. Stare, S. Ildstad. Chicago; Louisville.

B178 Pre-Kidney Transplant Inflammation and Post-Transplant Outcomes.
Hao Ying, Mara McAdams DeMarco, Dorry Segev. Baltimore, MD.

B179 Graft Failure in Recurrent IgA Nephropathy Following Living Kidney Transplantation: Predictive Factors Analysis of 102 Biopsies
Jin Zhang, Jiang Qiu, Guodong Chen, Changxi Wang, Lizhong Chen. Guangzhou, Guangdong, China.

B180 Kidney Transplant Outcome in the Patients with Lupus Nephritis
Yong Chul Kim, Hajeong Lee, Ho Jun Chin, Yon Su Kim, Seung Seok Han. Seoul, Republic of Korea; Seong-Nam, Republic of Korea.

Kidney Psychosocial

B181 † Non-Medical Factors Predict Receipt and Type of Kidney Transplant
H. Wesselman, X. Li, J. Chang, K. Kendall, J. Pleis, E. Croswell, M. A. Dew, R. Shapiro, L. Myaskovsky. Pittsburgh, PA; New York, NY; Albuquerque, NM.

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
Takeshi Uemura, Vanessa Rodriguez, Greta Rosen, Susan Lerner, Olusegun Apeso. New York, NY.

B185 Validation of the PROMIS-57 and PROMIS-29 Questionnaires in Kidney Transplant Recipients
Evan Tang, Aarushi Bansal, Sarah Cao, Madeline Li, Marta Novak, Istvan Mucsi. Toronto, Canada.

B186 Experiences, Perceptions, and Concerns about Successful Aging among KT Candidates and Recipients
Fatima Warsame, Sarah Rasmussen, Ann Eno, Alexandra Mountford, Christine Haugen, Mara McAdams-DeMarco, Dorry Segev. Baltimore, MD.

- B187** **Effects of Health Literacy and Numeracy Literacy on Adherence, Quality of Life and Readiness to Transition in Pediatric Renal Transplant Recipients**
Margo Kamel, Courtney McCracken, Alexandria Wilkerson, Nneka M. Alexander, Julie Gazmararian, Roshan P. George. Atlanta, GA.
- B188** **Impact of Psychosocial Variables on Renal Allograft Rejection Risk: A Multivariate Analysis**
David J. Chernobylsky, Katherine P. Carsky, Colleen E. McDermott, Peter C. Ferrin, Ricardo Fernandez, India Gaines, Mary Killackey, Rubin Zhang, Anil Paramesh, Joseph F. Buell. New Orleans, LA.
- B189** **Psychotic Disorders and Outcomes after Kidney Transplantation**
Miklos Z. Molnar, James Eason, Abduzhappar Gaipov, Manish Talwar, Praveen K. Potukuchi, Kamyar Kalantar-Zadeh, Csaba P. Kovcsy. Memphis, TN; Irvine, CA.
- B190** **Outcomes in Renal Transplant Recipients with Bipolar Disorder: A Large Retrospective Cohort**
Stephanie Hamel, Deirdre Sawinski, Robert Weinrieb, Shalini Dave, Jennifer Trofe-Clark. Philadelphia.
- B191** **Transplantation Tourism and Recipients Perspectives and Experience**
Fatma Al Rahbi, Issa Al Salmi. Muscat, Oman.
- B192** **The Influence Factors of DCD Donors' Family Members' Willingness in Chinese Current Status (Hunan Province Experience)**
Baoren Tu, Cai Li, Cuiying Li, Shu Liu, Yujun Zhao, Xingguo She, Yingzi Ming. Changsha, Hunan, China.
- B193** **Cognitive Impairment Influences Transplant Eligibility**
Aditi Gupta, Jeffrey Klein, Jonathan Mahnken, Robert Montgomery, Amna Ilahe, Pooja Budhiraja, Tashra Thomas, Timothy Schmitt, Jeffrey Burns, Diane Cibrik. Kansas City.
- B194** **The Internet as a Source of Transplant-Related Information for New Kidney Transplant Candidates**
Whitney W. Fu, Nathan Chai, Peter S. Yoo. New Haven, CT.
- B195** **Benefit of Patient Portal Usage in Non-High Risk Kidney Transplant Recipients**
Adena J. Osband, Jason T. Machan, Paul Morrissey. Providence, RI.
- B196** **Evaluating PROMIS-57 Domains to Screen for Anxiety and Depression Using Legacy Instruments among Kidney Transplant Recipients**
Aarushi Bansal, Oladapo Ekundayo, Evan Tang, Farzad Khalafi, Heather Ford, Madeline Li, Marta Novak, Istvan Mucsi. Toronto, ON, Canada.
- B197** **The Incidence and Risk Factors for Non – Adherence to Medical Treatment among Patients after Kidney Transplantation**
Tiki Mashraki, Benaya Rozen-Zvi, Eytan Mor, Alexander Yussim, Chagnac Avry, Ruth Rahamimov. Petach Tikva, Israel; Ariel, Israel; Tel- Aviv, Israel.
- B198** **Validation of Edmonton Symptom Assessment Survey in Kidney Transplant Recipients (KTR)**
Martha Pokarowski, Sumaya Dano, Amira Albdalla, Maroof Khalid, Oladapo Ekundayo, Yu-Ying Liao, Nathaniel Edwards, Istvan Mucsi. Toronto, ON, Canada.
- B199** **Potential Barriers to Renal Patient Care: Perspectives of Dialysis and Transplant Social Workers**
Dandrich Lim, Anita Patel, Nadeen Khoury, Rohini Prashar. Detroit, MI.
- B200** **Cognitive Function and Health Literacy Assessment Outcomes in the First Months after Renal Transplant in a Diverse Single Center Population**
Jennifer Trofe-Clark, Wanda Gbemudu, Stephanie Hamel, Justine Shults, Robin Neubauer, Sharon Ryan, Mary Kaminski, Deirdre Sawinski, Simin Goral, Melissa Bleicher, Mary Ann Lim, Roy D. Bloom, Peter P. Reese. Philadelphia, PA.

- 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 Andalusia (Spain)**
Javier de Teresa Alguacil, Carmen de Gracia Guindo, Carmen Ruiz Fuentes, Raquel Castellano Carrasco, Maria J. Torres Sánchez, Pilar Galindo Sacristán, Antonio Osuna Ortega. Granada, Spain.
- B204** **Associations among Physical Fitness/function, Pain and Depression in Kidney Transplant Patients**
Alexandra Kastelz, Ivo Tzvetanov, Bo Fernhall, Aneesha Shetty, Lorenzo Gallon, Greg Hachaj, Enrico Benedetti. Chicago, IL.
- 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 Dignostic Mean for Chronic Humoral Rejection after Pediatric Kidney Transplantation**
Lars Pape, Anette Melk, Petra Zürgbig, Nele Kanzelmeyer. Hannover, Germany; Hanonver, 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**
Pamela Singer, Yushan Tseng, Christine Sethna, Laura Castellanos-Reyes, Ernesto Molmenti, Ahmed Fahmy, Elliot Grodstein, Lewis Teperman. New Hyde Park, NY.
- 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 Chinnakotla, Priya Verghese. Minneapolis, MN.

- B214 Greater Susceptibility for Metabolic Syndrome in Pediatric Transplant Recipients - A Case-Control Study**
Ricarda Bloete, Nima Memaran, Bianca Borchert-Mörlins, 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 Colovai, 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**
Shahid Aquil, Nicholas Mitrou, Vivian McAlister, Alp Sener, Patrick Luke. London, ON, Canada.
- 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**
J. A. Dickerson, K. D. Jacot, M. Sinkey, J. M. Smith. Seattle.
- 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**
David K. Hooper, Charles Varnell, Jr., Kristin Rich, John Huber, Devesh Dahale, Adam Carle, Ahna Pai, Avani Modi. Cincinnati, OH.

- B226 Use of Public Health Service Increased Risk Kidneys in Pediatric Renal Transplant Recipients: Recipient Characteristics**
Melissa R. Meyers, Justine Shults, Benjamin Laskin, Paige Porrett, Matthew Levine, Peter Abt, Sandra Amaral, David S. Goldberg. Philadelphia.
- B227 The Role of Resilience in Healthcare Transitions among Adolescent and Young Adult Kidney Transplant Recipients**
Sheila M. Quinn, Hilda E. Fernandez, Taylor McCorkle, Frances K. Barg, Kenneth R. Ginsburg, Rachel Rogers, Sandra Amaral. Philadelphia, PA; New York, NY.
- B228 Differences in Pediatric and Adult Lost to Follow-Up Events for Heart, Kidney, and Liver Recipients**
Amanda M. Robinson, George V. Mazariegos, Sharon M. Bartosh, William T. Mahle. Richmond, VA; Pittsburgh, PA; Madison, WI; Atlanta, GA.
- B229 Impact of Once-Daily Tacrolimus on Adherence in Stable Adolescent and Young Adult Renal Transplant Recipients**
Mary Moss, Jens Goebel, Margret Bock. Aurora, CO.
- B230 Disparities in Re-Transplantation among Pediatric Renal Transplant Recipients with Graft Failure**
Mohua Basu, Rachel E. Patzer, Roshan George. Atlanta, GA.
- B231 Utilization of Public Health Service Increased Risk Kidneys in Pediatric Renal Transplant Recipients by Era**
Melissa R. Meyers, Justine Shults, Benjamin Laskin, Paige Porrett, Matthew Levine, Peter Abt, Sandra Amaral, David Goldberg. Philadelphia.
- 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 Puliyananda, Mieko Toyoda. Los Angeles, CA.
- B233 Large Volume Intraoperative Fluid Use in Small (<20kg) Renal Recipients is Safe**
Natasha Y. K. Liow, Nadeesha Mudalige, Nabil Melhem, Sheila Boyle, Nicos Kessarlis, Helen Hume-Smith, Stephen D. Marks, Nizam Mamode, Jelena Stojanovic. London, United Kingdom.
- B234 Age Difference between Donor and Recipient Predisposes to Early Interstitial Fibrosis and Tubular Atrophy in Pediatric Kidney Transplantation**
Sunee Panombualert, Meghan Pearl, Patricia Weng, Robert Ettenger. Los Angeles, CA.
- B235 Failure to Thrive after Pediatric Kidney Transplantation**
K. Sgambat, Y. I. Cheng, O. Charnaya, Asha Moudgil. Washington DC; Baltimore.
- 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**
Michael E. Seifert, Paige R. Perry, Robb Romp, Roslyn B. Mannon, Jennifer S. Pollock. Birmingham.
- B239 Re-Hospitalization after Pediatric Kidney Transplantation in Steroid Avoidance Protocols**
Priya Verghese, Srinath Chinnakotla, Danielle Berglund, Arthur Matas, Blanche Chavers. Minneapolis.

- 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**
Vaka K. Sigurjonsdottir, Paul Grimm, Abanti Chaudhuri. Palo Alto, CA.
- 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 Shihido. Tokyo, Japan.
- B248** **Influence of 6 Months Protocol Biopsies with and without Intervention on Course of GFR after Pediatric Renal Transplantation**
Lars Pape, Christian Lerch, Thuid Ahlenstiel-Grunow, Jan H. Bräsen, Nele K. Kanzelmeyer. Hannover, Germany.
- 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**
Helong Dai, Longkai Peng, Fenghua Peng, Gongbin Lan, Yu Wang, Jingjing Chen, Lei Liu, Chen Gao, Yong Guo, Chunhua Fang, Manhua Nie, Wang Long, Shaojie Yu. Changsha, Hunan, China; Pittsburgh, PA.
- B251** **Pediatric Kidney Transplant in Norway – Results after Switching from Midline to Retroperitoneal Approach in Recipients below 25 kg**
Rune Horneland, Ammar Khan, Guvåg Steinar, Trygve Thorsen, Morten Hagness. Oslo, Norway.
- B252** **Increasing Obesity Prevalence in the United States Pediatric End-Stage Renal Disease Population**
Brittany A. Shelton, Paul A. MacLennan, Rhiannon D. Reed, Margaux N. Mustian, Deanna M. McWilliams, Deirdre Sawinski, Jayme E. Locke. Birmingham, AL; Philadelphia, PA.

B253 Outcomes of Renal Transplantation in Pediatric Patients with VACTERL Association

Jessica Diaz, Blanche Chavers, Srinath Chinnakotla, Priya Verghese. Minneapolis, MN.

B254 Oral Health Related Quality of Life for Children with Kidney Disease

Priya Verghese, Julio Sotillo, Jessica Diaz, Elise Sarwas. Minneapolis.

B255 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.

B256 Pediatric Kidney Allograft Outcomes Following Identification of Transplant Glomerulopathy by Electron Microscopy

Jacob Grodsky, Randall Craver, Isa Ashoor. New Orleans, LA.

Liver: Hepatocellular Carcinoma and Other Malignancies

B257 Intention to Treat Outcomes of Patients with Hepatocellular Carcinoma Downstaged to within Milan

Parissa Tabrizian, Matthew Holzner, Jean Emond, Sander Florman, Robert Brown, Myron Schwartz, Karim Halazun. New York, NY.

B258 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.

B259 † 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.

B260 TP53 Mutations Lead to Increased Transcription of Circular RNAs in Exosomes Enhancing Tumor Invasiveness in Hepatocellular Carcinoma Bases on Bioinformatics Analysis

Zheng Yu, Yuchen Hou, Rongchang Wang, Xiaohui Huang. Guangzhou, Guangdong, China.

B261 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.

B262 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.

B263 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.

B264 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.

B265 Radiation Exposure to the Transplant Surgeon: A Case Study of Recent Yttrium-90 Treatment in an Explanted Liver

M. Decoteau, P. Lewis, S. Steuterman, R. Schaffer, J. Fisher, J. Case, C. Marsh. La Jolla, CA.

- B266** **Neutrophil to Lymphocyte Ratio (NLR) Does Not Predict Outcomes after Liver Transplant (LT) for Hepatocellular Carcinoma (HCC)**
E. Harding-Theobald, N. Mehta, F. Y. K. Yao. San Francisco.
- B267** **T Cell Lineage Imbalance and Regulatory Immune Populations in HCC Patients Undergoing Downstaging While Waitlisted for Liver Transplantation**
Paul T. Thevenot, Kelley G. Nunez, Tyler Sandow, Juan Gimenez, Janet Gonzalez-Rosario, Meera Patel, Abeer Alfadhli, Dorota Wyczechowska, Ari J. Cohen. New Orleans, LA.
- 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**
K. E. Lunsford, M. Javle, K. Heyne, R. T. Shroff, R. A. Hassan Ali, C. M. Mobley, D. W. Victor, A. O. Kaseb, T. A. Aloia, C. Conrad, X. C. Li, H. P. Monsour, A. O. Gaber, J.-N. Vauthey, R. M. Ghobrial. Houston, TX.
- B270** **Which Way to Go, Liver Resection or Liver Transplantation for Hepatocellular Carcinoma in Child A Liver Cirrhosis**
Kyung Chul Yoon, Kwang-Woong Lee, Suk Kyun Hong, Jae-Hyung Cho, Jeong-Moo Lee, Nam-Joon Yi, Kyung-Suk Suh. Seoul, Korea.
- 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, Chandrashekhar 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; Tamoia, 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 Adam, Lau Caspar Thygesen, Mauro Salizzoni, Miguel Angel Gómez Bravo, Daniel Cherqui, Franco Filipponi, 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; Turin, Italy; Sevilla, Spain; Pisa, Italy; Rennes, France; Milan, Italy; Clichy, France; Barcelona, Spain; Bologna, Italy; London, United Kingdom; Créteil, France; Copnehen, 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 Soubrane, 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 Portoenterostomy to Failed Kasai: Analysis of UNOS Database**

Tamir Miloh, Katheleen Hosek, Sanjeev Harpavath. Houston.

B279 **Early Postoperative Acute Kidney Injury among Pediatric Liver Transplant Recipients**

Helin Sahinturk, Aycan Kundakci, Pinar Zeyneloglu, Ender Gedik, Arash Pirat, Mehmet Haberal. Ankara, Turkey.

B280 **Outcomes from 194 Consecutive Split Left Liver Transplants: Comparison of Living versus Deceased Donors**

Dylan Adamson, Parissa Tabrizian, Michael Parides, Kishore Iyer, Jang Moon, Jamie Chu, Ronen Arnon, Sander Florman. New York.

B281 **The Impact of Rapamycin Conversion in Pediatric Liver Transplantation on Anti-HLA Antibody Formation and Allograft Fibrosis**

Ryan Fischer, Laura Fromm, James Daniel, Alexander Kats, Richard Hendrickson, Walter Andrews. Kansas City, KS; Kansas City, MO.

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 Mazariegos, 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**
Hannes Wilke, Nima Memaran, Imeke Goldschmidt, Bianca Borchert-Mörlins, Anika von Wick, Elena Bauer, Ricarda Blöte, Bernhard M. W. Schmidt, Anette Melk. Hannover, Germany.
- 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**
T. Nemeth, J. Smith, A. Pollack, W. Swanson, E. Hsu. Seattle.
- B291** **Analysis of Rabbit Anti-Thymocyte Globulin versus Basiliximab Induction in Pediatric Liver Transplant Recipients**
David Newland, Macy Royston, Derry McDonald, Kelly Wallace-Boughter, Thomas Németh, Kristen Carlin, Simon Horslen. Seattle, WA; Seattle.
- B292** **Intraoperative Blood Loss during Pediatric Liver Transplantation: A Single Center Experience**
Jordan A. Kohler, Dor Yoeli, Rohini R. Sigireddi, Ruth L. Ackah, Michael L. Kueht, Thao N. Galvan, Ronald T. Cotton, Abbas Rana, Christine O'Mahony, John A. Goss. Houston, TX.
- B293** **Wait Times for Pediatric Liver Transplantation and the Impact of PELD/MELD Exception**
Khalid M. Khan, Chirag S. Desai, Fishbein Thomas, Kroemer Alexander. Washington, DC; Chapel Hill, NC.
- B294** **Efficacy and Safety of Immediate- and Prolonged-Release Tacrolimus in De Novo Pediatric Transplantation: Randomized Study**
K. Vondrak, F. Parisi, A. Dhawan, R. Grenda, N. J. A. Webb, S. D. Marks, D. Debray, R. C. Holt, A. Lachaux, D. Kelly, G. Kazeem, N. Undre. Prague, Czech Republic; Rome, Italy; London, United Kingdom; Warsaw, Poland; Manchester, United Kingdom; Paris, France; Liverpool, United Kingdom; Lyon, France; Birmingham, United Kingdom; Chertsey, United Kingdom.
- Non-Organ Specific: Economics, Public Policy, Allocation, Ethics**
- B295 †** **Organ Procurement Organization Run Department of Motor Vehicle Office Leads to Increased Organ Donor Registry Enrollments**
Leigh Anne Dageforde, W. Muren, S.-H. Chang, N. Vachharajani, D. Brockmeier, B. Anderson, A. Khan, J. R. Wellen, S. Shenoy, Y. Lin, W. C. Chapman, M. B. Majella Doyle. St. Louis, MO.
- 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**
Susanna M. Nazarian, Corey D. Watts, Deirdre L. Sawinski, Peter P. Reese, David S. Goldberg, Peter L. Abt, Scott D. Halpern, Judy A. Shea, Emily A. Blumberg. Philadelphia, PA.
- B298 †** **Program-Specific Transplant Rate Ratios: Association with Allocation Priority at Listing and Posttransplant Outcomes**
Andrew Wey, S. Gustafson, N. Salkowski, J. Pyke, B. Kasiske, A. Israni, Jon Snyder. Mineapolis.

- B299 † Analysis of NIH Research Funding in Transplantation: The Important Impact of Physician-Scientists in Abdominal Transplant Research**
Adishesh K. Narahari, J. Hunter Mehaffey, Anirudha S. Chandrabhatla, Pranav K. Baderdinni, Irving L. Kron, Kenneth L. Brayman. Charlottesville, VA.
- 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**
Madeleine Waldram, Ann Eno, Emma Lee, Shanti Seaman, Anh Nguyen, Samantha Halpern, Saad Anjum, Jeremy Sugarman, Macey Henderson, Aaron Tobian, Dorry Segev, Christine Durand. Baltimore.
- B307 The Impact of ABO Blood Type and Geography on Access to Lung Transplant**
Wayne M. Tsuang, David J. McMichael, Xiaofeng Wang, Marie Budev. Cleveland.
- 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**
Michelle C. Nguyen, Christina Avila, Jason Benedict, Ashraf El-Hinnawi, Amer Rajab, Ronald P. Pelletier, Mitchell L. Henry, Ginny L. Bumgardner. Columbus, OH.

- B313 Procurement Travel Safety: Current Practices, Accident Frequency, Perceptions of Safety and Means to Reduce Risk**
Austin D. Schenk, Andrew B. Adams, Raymond J. Lynch. Atlanta, GA.
- B314 Overcoming Barriers to Transplant: An A2 to B Program Need Not Be Difficult, Expensive, or Time Consuming Even for Large Centers**
Shannon Radomski, Bridgette Diedrich, Dong Li, Mariam Awwad, Sandra Rosen-Bronson, Albert Langeberg, Ashley-Anne Hamby, Matthew Cooper, Alexander Gilbert. Washington, DC.
- B315 Heart and Lung Offer Acceptance Practices Are Associated with Organ Yield and Local Placement**
Andrew Wey, M. Skeans, N. Salkowski, B. Kasiske, A. Israni, Jon Snyder. Minneapolis.
- B316 Measles and Varicella Vaccination Status and Evidence of Immunity during Solid Organ Pre-Transplantation Evaluation**
Heather L. Daniels, Carla Saracusa, Sarah Worley, Blanca E. Gonzalez. Cleveland, OH.
- B317 Providing Transplant Candidates with Patient-Specific Public Reports about Programs That Transplant Patients Like Them**
Cory R. Schaffhausen, Marilyn J. Bruin, Sauman Chu, Arthur J. Matas, Jack R. Lake, W. Ray Kim, Scott W. Biggins, Jon J. Snyder, Bertram L. Kasiske, Ajay K. Israni. Minneapolis, MN; Palo Alto, CA; Seattle, WA.
- B318 Sustained Improvement in Patient Reported Outcomes 10 Years after Liver Transplantation by Protocol Longitudinal Assessment of Health Related Quality of Life**
Saleh Elwir, Ann Warren, Giovanna Saracino, Sumeet Asrani, Timothy Elliott, Goran Klintmalm. Dallas, TX; College Station, TX.
- B319 Frailty and Kidney Transplantation: AST-KPCOP Survey of Center Practices**
Mara McAdams DeMarco, Sarah Rasmussen, Ron Parsons, Tarek Alhamad, Kirsten Johansen, Stefan Tullius, Raymond Lynch, Meera Harhay, Maya Rao, Joseph Berger, Jaquie Lappin, Jane Tan, Xingxing Cheng, Ken Woodside, Sandesh Parajuli, Krista Lentine, Bruce Kaplan, Dorry Segev, Jon Kobashigawa, Darshana Dadhania. Mt. Laurel.
- B320 Informed Clustering of Donor Service Areas for Better Benchmarking**
Samantha M. Noreen, Robert J. Carrico, John Rosendale. Richmond, VA.
- B321 Pediatric Transplantation within the ASTS: A Member Survey**
Walter Andrews, Srinath Chinnakotla, Jaimie Nathan, Amy Gallo, Patrick Healey, Jan Dominique, Carlos Esquivel. Arlington, VA.
- B322 Organ Transplant Abuse in China (1): Scale**
Grace Yin, David Y. Li, Michelle Li, Min Fu. Middletown, NY; Houston, TX.
- B323 Evaluating Displays of Program Waitlist Mortality on Public Search Results**
Cory R. Schaffhausen, Marilyn J. Bruin, Sauman Chu, Arthur J. Matas, Jack R. Lake, W. Ray Kim, Scott W. Biggins, Jon J. Snyder, Bertram L. Kasiske, Ajay K. Israni. Minneapolis, MN; Palo Alto, CA; Seattle, WA.
- B324 The Importance of Transplant Program Measures: Surveys of 3 National Patient Advocacy Groups**
Cory R. Schaffhausen, Marilyn J. Bruin, Sauman Chu, Jon J. Snyder, Bertram L. Kasiske, Ajay K. Israni. Minneapolis, MN.

- B325** **What Happened When the ‘Soft Opt-Out’ to Organ Donation Was Implemented in Wales? Family and Professional Views and Experiences, and Consent Rates for the First 18 Months**
Leah Mc Laughlin, Jane Noyes, Karen Morgan, Phil Walton, Abigail Roberts, Michael Stephens. Bangor, Wales, United Kingdom; Cardiff, Wales, United Kingdom; Cardiff and Liverpool, Wales, United Kingdom.
- B326** **Increasing Obesity and Diabetes Prevalence in the United States End-Stage Renal Disease Population**
Brittany A. Shelton, Deanna M. McWilliams, Paul A. MacLennan, Rhiannon D. Reed, Margaux N. Mustian, Deirdre Sawinski, Jayme E. Locke. Birmingham, AL; Philadelphia, PA.
- B327** **Medical Contraindications to Solid Organ Transplant Listing: A Survey of Heart, Liver, Lung and Kidney Programs**
Anji E. Wall, Gun Ho Lee, Jose R. Maldonado, David Magnus. Palo Alto, CA.
- B328** **Treatment Patterns and Burden among Chronic Graft versus Host Disease Patients on Second-Line Systemic Treatments Including Extracorporeal Photopheresis**
Xingyue Huang, Namita Joshi, Linlin Luo, Ghaith Mitri, Belinda Lovelace, An Pham, Xin Gao. Bethesda, MD; Bedminster, NJ.
- B329** **Organ Transplant Abuse in China (2): Continued Growth after Gaining International Attention**
Grace Yin, David Y. Li, Michelle Li, Min Fu. Middletown, NY; Houston, TX.
- B330** **Organ Transplant Abuse in China (3): Transplants Conducted on Demand**
Grace Yin, David Y. Li, Min Fu, Yiyang Xia. Middletown, NY; Houston, TX; Washington, DC.
- B331** **Evidence of a Clinically Significant Drug-Drug Interaction between Cannabidiol and Tacrolimus: A Case Report**
Abbie D. Leino, Chie Emoto, Tsuyoshi Fukuda, Michael Privitera, Alexander A. Vinks, Rita R. Alloway. Cincinnati, OH.
- B332** **Providing Transplant Candidates with Guidance about Differences in Acceptance Criteria across Programs**
Cory R. Schaffhausen, Marilyn J. Bruin, Sauman Chu, Arthur J. Matas, Jack R. Lake, W. Ray Kim, Scott W. Biggins, Jon J. Snyder, Bertram L. Kasiske, Ayay K. Israni. Minneapolis, MN; Palo Alto, CA; Seattle, WA.
- B333** **The Effect of Pre-Transplant Insomnia and Post-Transplant Insomnia on Survival among Solid Organ Recipients**
Kwai-Fong Lee, Yi-Ting Tsai, Chih-Yuan Lin, Chung-Bao Hsieh, Sheng-Tang Wu, Teng-Wei Chen, Yi-Chang Lin, Wei-Hwa Lee, Feng-Yen Lin, Chien-Sung Tsai. Taipei, Taiwan; Hualien County, Taiwan; New Taipei, Taiwan; Taoyuan, Taiwan.
- B334** **Patient-Centered Outcomes after Liver Transplantation: A Qualitative Study**
Grace S. Lee, Joy Obayemi, Emily B. Rubin. Philadelphia, PA; Boston, MA.
- B335** **Blood Transfusion is a Critical Determinant of Resource Utilization and Total Hospital Cost in Liver Transplantation**
Catherine Garcia, Adam Dugan, Daniel Davenport, Roberto Gedaly. Lexington.
- B336** **Organ Transplant Abuse in China (4): Organ Sources**
David Y. Li, Grace Yin. Middletown, NY.
- B337** **Organ Transplant Abuse in China (5): Role of the Chinese State**
David Y. Li, Yiyang Xia, Michelle Li, Grace Yin. Middletown, NY; Washington, DC.
- B338** **Perceptions, Motivations, and Concerns about Living Organ Donation among People Living with HIV**
Sarah Rasmussen, Macey Henderson, Juli Bollinger, Shanti Seaman, Christine Durand, Dorry Segev, Jeremy Sugarman. Baltimore.

B339 Patient-Researcher Partnership Platform within the Canadian National Transplant Research Program: The First Year Experience

Marie-Chantal Fortin, Sylvain Bédard, Julie Allard, Fabian Ballesteros, Samantha Anthony, Antoine Boivin, Audrey Lespérance, David Hartell. Montreal, Canada; Ottawa, Canada; Toronto, Canada.

B340 The Effect of an Organ Procurement Experience on Preclinical Medical Student Perceptions of Transplant Surgery

Max A. Feinstein, Sivan G. Marcus, Dominic P. Amara, Beata Durcanova, Garrett R. Roll, Babak J. Orandi. San Francisco.

B341 Medicare Part D Plans Deny Coverage for Off-Label and Off-Compendia Immunosuppressant Use: A Case Series

Lisa Potter, Edward Garrity. Chicago, IL.

B342 An Economic Analysis of the UK Pancreas Allocation Scheme

Kerry A. Burke, Stephen Birch, Titus Augustine. Manchester, United Kingdom; Hamilton, Canada.

B343 Critical Care Management of Organ Donors with Uncertain Consent Status

Manu R. Varma, Jennifer A. LaRosa. Newark, NJ.

B344 † Reported Effects of the SRTR 5-Tier Rating System on US Transplant Centers

Sarah Rasmussen, Alvin Thomas, Jacqueline Garonzik-Wang, Macey Henderson, Sarah Stith, Dorry Segev, Lauren Hersch Nicholas. Baltimore; Albuquerque.

B345 Discriminative Accuracy of Physician Assessments of Kidney Transplant Candidate Function by Candidate Age, Sex, and Race

Meera N. Harhay, Karthik Ranganna, Lissa Levin Mizrahi, Gary Xiao, Gregory Malat, David Reich, Stephen Guy, Peter P. Reese. Philadelphia, PA.

B346 Hispanics' Perceptions of Shared Decision Making in the Transplant Context: A Mixed Methods Study

N. Alhalel, J. C. Caicedo, R. Ruiz, A. Salazar, S. Primeaux, E. J. Gordon. Chicago, IL; Dallas, TX.

PTLD/Malignancies: All Topics

B347 Tumor Recurrence in Kidney Transplant Recipients with a History of Pretransplant Malignancy

Felix Becker, Katharina Schütte Nütgen, Stefan Reuter, Linus Kebschull, Thorsten Vowinkel, Norbert Senninger, Daniel Palmes, Thomas Vogel, Ralf Bahde. Münster, Germany.

B348 Impact of Antecedent Malignancy on Kidney Transplant Outcomes: Patient, Graft, and Cancer-Free Survival

Oscar K. Serrano, Steven J. Mongin, Danielle Berglund, David M. Vock, Srinath Chinnakotla, Ty B. Dunn, Erik B. Finger, Raja Kandaswamy, Timothy L. Pruett, Arthur J. Matas. Minneapolis, MN.

B349 A Population Based Study of Incidence of Post Kidney Transplant Malignancies

Donal J. Sexton, James Paul O'Neill, Patrick O'Kelly, Susan Murray, Sandra Deady, Eamonn O'Leary, Patrick Morris, Peter Conlon. Dublin, Ireland; Cork, Ireland.

B350 Pre-Existing Renal Cell Carcinomas in Patients with Polycystic Kidney Disease Undergoing Simultaneous Native Nephrectomy and Living Donor Kidney Transplantation

Meredith J. Aull, Joseph J. Del Pizzo, Anthony C. Watkins, Sandip Kapur. New York, NY.

B351 Cancer Incidence after Kidney Transplantation in Saudi Arabia, Comparing Different Induction Agents

Hassan A. AlEid, Syed Raza, Tariq Ali, Ibrahim Alahmadi, Safia Aleid, Dieter Broering. Riyadh, Saudi Arabia.

- B352 Induction Agents and Post-Transplant Malignancies in Kidney Transplants: An Examination of Outcomes at a Large Volume Center over 20 Years**
Devon Livingston-Rosanoff, Xing Wang, Glen Levenson, Dixon Kaufman, David Foley. Madison, WI.
- B353 Evaluating the Impact of Pre-Transplant Malignancy on Outcomes after Kidney Transplantation: A National Database Analysis over a Twenty-Two Year Period**
Devon Livingston-Rosanoff, Lee G. Wilke, Glen Levenson, David Foley. Madison, WI.
- B354 The Influence of a Conversion to Sirolimus-Based Immunosuppression on Non-Melanomatous Skin Cancer Incidence in Kidney Transplant Recipients over Long Term Follow Up**
Fergus E. Daly, Patrick O'Kelly, Fergal J. Moloney, Donal J. Sexton, Peter J. Conlon. Dublin, Ireland.
- B355 Decreased Expression of Pro-Carcinogenic Genes Following Tacrolimus to Sirolimus Conversion in Liver Transplant Recipients**
Mamatha Bhat, Elisa Pasini, Cristina Baci, Sunil M. Kurian, Josh Levitsky. Toronto, Canada; La Jolla, CA; Chicago.
- B356 Pretransplant Use of Rituximab is Associated with Posttransplant Malignancies Events and Death by Neoplasia in Incompatibility Living Donor Kidney Transplants**
Ignacio Revuelta, Valeria Tubita, David Cucchiari, Erika De Sousa, Pierluca Piselli, Miguel Lozano, Joan Cid, Eduard Palou, Jaume Martorell, Federico Oppenheimer, Fritz Diekmann, Josep M. Campistol. Barcelona, Spain; Madrid, Spain; Roma, Italy.
- B357 Survival, Cancer and PTLD Diagnosis after Late EBV Infection in Adult Kidney Transplantation**
Muir Morton, Geraldine Scullin, Kanika Daga, Paul Klapper, Pamela Vallely, Mike Picton. Manchester, United Kingdom.
- B358 Follow-Up and Outcomes of Epstein-Barr Virus Negative Recipients after a Kidney Transplant from an Epstein-Barr Virus Positive Donor**
Caroline Dudreuilh, Elham Asgari, Rachel Hilton. London, United Kingdom.
- B359 Use of Cyclin-Dependent Kinase Inhibitors to Reduce Gammaherpesvirus Reactivation**
Joy E. Hazleton, Linda F. van Dyk. Aurora, CO.
- B360 Presentation and Outcomes of Post-Transplant Proliferative Disorder at a Single Institution Pediatric Transplant Center**
Gabriel Ramos-Gonzalez, Alec Allain, Timna Agur, Laura O'Melia, Steven Staffa, Sandra Burchett, Bradford Siegele, Olga Weinberg, Nancy Rodig, Rima Fawaz, Tajinder Singh, Dawn Freiberger, Kim Heung Bae. Boston, MA.
- B361 Post-Transplant Lymphoproliferative Disorder after Kidney Transplantation: A Single Institute Experience with Focus on Epstein-Barr Virus Status**
Pingchuan Zhang, Rebecca L. King, Kay M. Ristow, Lynn D. Cornell, Fernando G. Cosio, Thomas M. Habermann, Mariam P. Alexander. Rochester, MN.
- B362 Genomic Modifications Associated with Epstein Barr Virus+ Post-Transplant Lymphoproliferative Disorder**
Marla C. McPherson, Yarl Balachandran, Scott D. Boyd, Heiner Zimmermann, Ralf U. Trappe, Carlos O. Esquivel, Sheri M. Krams, Olivia M. Martinez. Stanford, CA; Bremen, Germany.
- B363 Genomic Diversity of Epstein Barr Virus in Post-Transplant Lymphoproliferative Disorder**
Eden M. Maloney, Vincent A. Busque, Sin Ting Hui, Sheri M. Krams, Carlos O. Esquivel, Olivia M. Martinez. Stanford, CA.
- B364 † The MicroRNA Landscape of EBV+ and EBV- PTLD**
Yarl Balachandran, Heiner Zimmermann, Carlos O. Esquivel, Sheri Krams, Ralf U. Trappe, Olivia M. Martinez. Stanford; Bremen, Germany.

- B365 † Incidence of Epstein Barr Virus (EBV) DNAemia in EBV-Seronegative Solid Organ Transplant (SOT) Recipients with EBV-Seropositive Donors**
Catherine Burton, Curtis Mabilangan, Jutta Preiksaitis. Edmonton, Canada.
- VCA**
- B366 † Experience with Immunosuppressive Strategies in Vascularized Composite Allotransplantation of Face**
Robin Klasek, Branislav Kollar, Sotirios Tasigiorgos, Bohdan Pomahac. Boston, MA.
- B367 † Burden of Infectious Complications after Upper Extremity Allotransplantation: A Matched Cohort Study**
Anne Conrad, Palmina Petruzzo, Jean Kanitakis, Aram Gazarian, Lionel Badet, Philippe Vanhems, Olivier Thauinat, Emmanuel Morelon, Antoine Sicard. Lyon, France; Cagliari, Italy.
- B368 † Autologous Adipose-Derived Stem Cells with In Vivo Immunomodulatory Properties Can Be Generated in Allograft Recipients under Immunosuppression**
Antoine Sicard, Jonathan Rodriguez, Palmina Petruzzo, Jean Kanitakis, Odile Damour, Lionel Badet, Aram Gazarian, Fanny Buron, Olivier Thauinat, Karin Tarte, Cedric Mesnard, Celine Auxenfans, Emmanuel Morelon. Lyon, France; Cagliari, Italy; Rennes, France.
- B369 The Preclinical Application of the Tactile Discrimination Task in Rat Models**
S.-H. Wu, C.-J. Wen, J.-J. Huang, Y.-C. Pei, C.-H. Lin, H.-Y. Cheng, Z.-L. Peng, H.-I. Yang, F.-C. Wei. Taoyuan, Taiwan; Taipei, Taiwan.
- B370 Absence of Rejection in a Facial Allograft Recipient with a Postive Flow Crossmatch 24 Months after Induction with Rabbit Anti-Thymocyte Globulin and Anti-CD20+ Monoclonal Antibody**
Bruce E. Gelb, J. Rodrigo Diaz-Siso, Natalie M. Plana, Adam Jacoby, William J. Rifkin, Kimberly S. Khouri, Daniel J. Ceradini, Eduardo D. Rodriguez. New York, NY.
- B371 Upper Limb and Craniofacial VCA Donors in the US**
Jennifer Wainright, Christopher Wholley, Wida Cherikh, John Rosendale, David Klassen. Richmond.
- B372 Upper Limb Transplantation in the US: An Early Look at OPTN Data**
Jennifer Wainright, L. Scott Levin, Christopher Wholley, Wida Cherikh, David Klassen, Linda Cendales. Richmond, VA; Philadelphia, PA; Durham, NC.
- B373 Demand for Uterine Transplantation in the United States: Initial Recruitment Results of a Trial of Uterine Transplantation in the Northeast U.S.**
Paige M. Porrett, Nawar Latif, Eileen Wang, Lindsay Sortor, Scott Levin, Abraham Shaked, Kim Olthoff, Christos Coutifaris, Deborah Driscoll, Kathleen O'Neill. Philadelphia, PA.
- B374 OPTN VCA Waiting List Trends**
Jennifer Wainright, Christopher Wholley, Wida Cherikh, Jennifer Musick, David Klassen. Richmond, VA.
- B375 Facial Allotransplantation: An Early Look at OPTN Data**
Jennifer Wainright, L. Scott Levin, Linda Cendales, Christopher Wholley, Wida Cherikh, David Klassen, Bohdan Pomahac. Richmond, VA; Philadelphia, PA; Durham, NC; Boston, MA.
- B376 Psychosocial Factors Affecting Recipients of Vascular Composite Allotransplantation**
Sarah Rasmussen, Macey Henderson, Carisa Cooney, Jaimie Shores, W. P. Andrew Lee, Dorry Segev, Gerald Brandacher. Baltimore.
- B377 Mayo Clinic's First Face Transplant: 17 Months On**
Hatem Amer, Sheila G. Jowsey-Gregoire, Charles B. Rosen, Raymund R. Razonable, Kevin I. Reid, Manish Gandhi, Lori E. Ewoldt, Brooks S. Edwards, Samir Mardini. Rochester, MN.

- B378 Maintenance Immunosuppression Trends in Hand and Facial VCA Transplantation**
Amit K. Manjunath, Michael J. Cammarata, Rami S. Kantar, William J. Rifkin, Adam Jacoby, Bruce E. Gelb, Rodrigo Diaz-Siso, Eduardo D. Rodriguez. New York, NY.
- B379 AMD3100 (Plerixafor) as a Single-Dose Stem Cell Mobilizing Agent in Vascularized Composite Tissue Allograft (VCA) Transplantation in a Canine Model**
Bruce J. Swearingen, Scott S. Graves, Rainer Storb, David W. Mathes. Aurora, CO; Seattle, WA.
- B380 Rapamycin Therapy Impairs Treg Expression of CXCR3 and Limits Treg-Dependent Survival of Vascularized Composite Allotransplants**
Heng Xu, Zeyu Chen, Wayne William Hancock, Scott Levin, Yixin Zhang. Shanghai, China; Philadelphia.
- B381 Predicting Outcomes of Rat Vascularized Composite Allotransplants through Quantitative Measurement of Chimerism with PCR-Amplified Short Tandem Repeat**
Hui-Yun Cheng, Xiao-Ting Huang, Chih-Fan Lin, Nidal F. AL Deek, Ling-Yi Shih, Cheng-Hung Lin, Fu-Chan Wei. Gueishan, Taoyuan, Taiwan.
- B382 Functional Reconstruction of Urogenital Tissue Defects Using VCA: A Novel Microsurgical Penis Transplant Model and Clinical & Histological Rejection Classification**
Samuel Fidler, Georg Furtmüller, Brian Simons, Barbara Kern, Denver Lough, Byoung Chol Oh, Maria Chicco, Cory Brayton, W. P. Andrew Lee, Damon Cooney, Richard Redett, Gerald Brandacher. Baltimore; Rotterdam, Netherlands.
- B383 Triptolide Reduces the Required Dose of Tacrolimus by Attenuating Inflammation, Enhancing Immunosuppression, and Increasing Donor Chimerism in a Heterotopic Hindlimb Transplantation Model**
Chuan Gu, Fei Liu, Jun Yang. Shanghai, China.
- B384 Ex-Vivo Subnormothermic Oxygenated Machine Perfusion of Rodent Hindlimb: Feasibility Study to Elongate Preservation Time of Vascularized Composite Allograft**
Laura C. Burlage, Alexandre G. Lellouch, Shannon N. Tessier, Casie A. Pendexter, Stephanie E. J. Cronin, Ilse M. Schol, Mark A. Randolph, Robert J. Porte, Laurent A. Lantieri, Curtis L. Cetrulo, Korkut Uygun. Boston; Groningen, Netherlands; Paris, France.
- B385 The Chauvet Workgroup: From Inception to the Future**
Hatem Amer, Sheila Jowsey-Gregoire, Martin Kumnig, Elisa Moreno, Wendy Dean, Charlotte Brown, Stina Jarvholm, Kathy Coffman, Plamina Petruzzo, Emmanuel Morelon. Rochester, MN; Innsbruck, Austria; Los Angeles, CA; Fort Detrick, MD; Pittsburgh, PA; Gothenburg, Sweden; Cleveland, OH; Lyon, France.
- Xenotransplantation**
- B386 † Biochemistry Profiles Following Pig-to-Nonhuman Primate Liver Xenotransplantation**
Nathan J. Louras, Madhukar S. Patel, Jigesh A. Shah, David H. Sachs, Parsia A. Vagefi. Boston, MA.
- B387 † Rhesus Monkey Have natural Antibody toward Swine That is Not Influenced by Allosensitization nor by Carfilzomib/tocilizumab**
Janghoon Yoon, Brian Ezekian, Miriam Manook, Jean Kwun, Stuart Knechtle. Durham, NC.
- B388 Re-Endothelialization of Liver Xenografts Utilizing Human Endothelial Cells**
W. Hassanein, P. Patel, A. Werdsheim, J. Brilliant, E. B. Buckingham, N. Shockcor, C. Drachenberg, R. N. Barth, J. C. LaMattina. Baltimore, MD.
- B389 The Effect of Intravenous Immunoglobulin on *In Vitro* Human Antibody Binding to Genetically-Engineered Pig Cells - Relevance to Clinical Xenotransplantation -**
Takayuki Yamamoto, Qi Li, Hayato Iwase, David Ayares, David K. C. Cooper, Hidetaka Hara. Birmingham; Blacksburg.

B390 Successful Patency in Blood Conduits for an Artificial Kidney Membrane with Biocompatible Coatings

Rachel Forbes, Emily Marsh, Seth Karp, Amanda Buck, Daniel Colvin, Phil Williams, Buddhadev Chaudhuri, Shuvo Roy, William Fissell. Nashville; San Francisco.

B391 Experience in the Development of a Life-Supporting Large Animal Orthotopic Cardiac Xenotransplant Model

Laura DiChiacchio, Avneesh Singh, Billea Lewis, Erik Strauss, Patrick Odonkor, Brittney Williams, David Ayares, K. Barry Deatrick, Zachary N. Kon, Muhammad M. Mohiuddin. Baltimore, MD; Blacksburg, VA.

B392 Parathyroid Cell Xenotransplantation with Ultrapure Alginate Based Microencapsulation Technique

Beyza Goncu, Emrah Yucesan, Harun Basoglu, Mert Celikten, Onder Huseyinbas, Burcu Ozdemir, Nur Ozten Kandas, Fahri Akbas, Yeliz Emine Ersoy, Erhan Aysan. Istanbul, Turkey.

Poster Session C

Poster Viewing: 6:00 pm – 7:00 pm
Presenters in Attendance: 6:00 pm – 7:00 pm

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.

Antigen Presentation

- C1** **Regulatory Dendritic Cell (DCreg) Cell Infusion in Living Donor Liver Transplantation**
Angus W. Thomson, Abhi Humar, Fadi G. Lakkis, Styn A. Styn, Alan F. Zahorchak, Camila Macedo, Diana M. Metes. Pittsburgh, PA.
- C2** **Comparative Analysis of Bone Marrow versus Blood Monocyte-Derived Regulatory Dendritic Cells for Evaluation in a Miniature Swine Vascular Composite Allotransplantation Model**
Tarek Elgendy, Deokyeol Kim, Alan Zahorchak, Mohamed Ezzelarab, Mario Solari, Angus W. Thomson. Pittsburgh, PA.
- C3** **Role of Calcium/Calmodulin Kinase IV on Podocyte Function in Transplant Glomerulopathy**
Rhea Bhargava, Kayaho Maeda, Andrew Ferreti, Martha Pavlakis, George Tsokos. Boston.
- 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 Elkhal, Astrid Weins, Soochan Bae, Jake Reder, Brandy Houser, Peter M. Kang, Stefan G. Tullius. Boston, MA; Lebanon, NH.

- C6 †** **Dual Function of IRF1/IRF4 on Dendritic Cells in Mouse Liver Transplantation Model**
Guangxiang Gu, Tianfei Lu, Ning Xu, Qiang Xia. Shanghai, China.

- C7** **Immune Profiling in Highly Sensitized Kidney Transplant Recipients**
Sarita Negi, Alissa Rutman, Steven Paraskevas, Jean Tchervenkov. Montreal, Canada.

Histocompatibility and Immunogenetics

- C8** **Correlation of Kidney Transplant Human Leukocyte Antigen Eplet Mismatching to De Novo Donor Specific Antibody Production and Post-Transplant Outcomes**
R. Samudralwar, K. Szempruch, C. Reuter, B. Franz, R. A. Lee, E. Weimer, R. Detwiler, T. Kozlowski, J. Schmitz. Chapel Hill, NC; New Orleans, LA.
- C9** **Shared Genetic Ancestry as a Predictor of Medium Term Renal Transplant Outcome in Deceased Donor Transplants**
Caragh P. Stapleton, On behalf of the UK and Ireland Renal Transplant Consortium, Peter J. Conlon, Gianpiero L. Cavalleri. Dublin, Ireland.
- C10** **HLA Typing, Panel Reactive Antibody and Donor Specific Antigen Tests Are Not Necessary for Successful Parathyroid Allotransplantation**
Ebru Kanimdan, Beyza Goncu, Yusuf Gelmez, Oguz Idiz, Cemile Toka, Burcu Ozdemir, Harun Basoglu, Nur Ozten Kandas, Emrah Yucesan, Yeliz Ersoy, Rumeysa Kazancioglu, Erhan Aysen. Istanbul, Turkey.

- C11 † DSA Plus TCMR Leads to Poor Outcomes in Renal Allograft Recipients and This is Markedly Exacerbated by Non-Adherence**
Dominik Chittka, Aravind Cherukuri, Akhil Sharma, Rajil Mehta, Sundaram Hariharan, David Rothstein. Pittsburgh.
- C12 IgG De Novo HLA Antibody Subclass Analysis in Patients Undergoing Allograft Nephrectomy after Transplant Failure**
Gaetano Lucisano, Alexander Gueret-Wardle, Paul Brookes, Eva Santos-Nunez, Nicola Firmin, Nicola Gunby, Sevda Hassan, Michelle Willicombe, David Taube. London, United Kingdom.
- C13 Increased Expression of HLA-DPB1 in Pre-Implantation Kidney Biopsies is Associated with Poor Late Graft Function**
Karina L. Mine, Tuila B. Mourão, Cláudia R. Felipe, Gisele F. Rampim, José O. Medina-Pestana, Hélio Tedesco-Silva, Maria Gerbase-DeLima. São Paulo, Brazil.
- C14 Reassessment of Virtual Crossmatch: The Clinical Meaning of Cell-Based Actual Crossmatch for Kidney Transplantation**
Bo Peng, Meng Yu, Quan Zhuang, Hong Liu, Lijun Zhu, Yun Liu, Ke Cheng, Yingzi Ming. Changsha, Hunan, China.
- C15 MICA/B Polymorphisms and the Relationship of the Matching Degree between MICA/B and HLA of Related Donor-Recipient Pairs in Allo-HSCT**
Yuying Sun, Yuna Hao, Jing Jin, Lili Ding, Fei Liang, Nan Liu, Juan Long, Xiao Zhao, Yongzhi Xi. Beijing, China.
- Kidney Chronic Antibody Mediated Rejection**
- C16 † NKG2C+CD57+ NK (G2C+57+) Cells Expanded by CMV Infection Are Highly Responsive to Allo-Antibody (Ab)-Mediated NK Cell Stimulation**
Bongha Shin, Dechu Puliyanda, Helen Pizzo, Stanley C. Jordan, Mieko Toyoda. Los Angeles, CA.
- C17 Intravenous Immunoglobulins and Methylprednisolone Stabilizes Renal Allograft Function in the Majority of Patients with C-aABMR**
Kasia Sablik, Marian Clahsen-van Groningen, Caspar Looman, Jeffrey Damman, Madelon van Agteren, Michiel Betjes. Rotterdam, Netherlands.
- C18 † Two Similar Risk Models Identify Different Patients for Graft Loss: Implications for Clinical Trials in DSA+ Kidney Transplant Recipients**
Andrew Bentall, Byron Smith, Walter Park, Carrie Schinstock, Mark Stegall. Rochester.
- C19 Functional Fc Gamma Receptor Gene Polymorphisms and Donor-Specific Antibody-Triggered Transplant Injury**
Marie-Luise Arnold, Alexander Kainz, Farsad Eskandary, Nicolas Kozakowski, Markus Wahrmann, Helmuth Haslacher, Rainer Oberbauer, Andreas Heilos, Bernd M. Spriewald, Luis G. Hidalgo, Philip F. Halloran, Georg A. Bohmig. Erlangen-Nuremberg, Germany; Vienna, Austria; Edmonton, AB, Canada.
- C20 Pre-Transplant versus *De Novo* Donor Specific Antibodies: Differences in Clinical Outcomes and Antibody Mediated Rejection**
Maria Ajaimy, Nicole Hayde, Adriana Colovai, Enver Akalin. Bronx.
- C21 Lower Incidence of De Novo Donor-Specific Antibodies against HLA-DR in ABO-Incompatible Renal Transplantation**
Manabu Okada, Kenta Futamura, Takahisa Hiramitsu, Makoto Tsujita, Norihiko Goto, Shunji Narumi, Yoshihiko Watarai, Kenta Iwasaki, Takaaki Kobayashi. Nagoya, Japan; Nagakute, Japan.
- C22 Scoring Transplant Glomerulopathy Using Morphometry: Correlation with Banff Criteria**
Martha C. Morales, Aleksander Denic, Walter D. Park, Byron H. Smith, Mariam P. Alexander, Mark D. Stegall. Rochester, MN.

- C23** **Chronic Antibody Mediated Rejection in Renal Allografts Shows RNA Transcript Patterns That Evolve with Stage**
Ivy A. Rosales, Benjamin Adam, Michael Mengel, Tetsu Oura, Masatoshi Matsunami, Tatsuo Kawai, A. Benedict Cosimi, R. Neal Smith, Robert B. Colvin. Boston, MA; Edmonton, AB, Canada.
- 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**
Enver Akalin, Mariel B. e Silva, Yi Bao, Vineela S. Bontha, Maria Ajaimy, Valeria Mas, Pilib Ó Broin. Bronx, NY; Galway, Ireland; Charlottesville.
- 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.
- C29** **Urinary Proteomic Biomarkers for Prediction of Chronic Antibody-Mediated Rejection in Kidney Transplant Recipients**
Hee-Yeon Jung, Kye Hwa Jeong, Jeong-Hoon Lim, Ji-Young Choi, Jang-Hee Cho, Sun-Hee Park, Yong-Lim Kim, Chan-Hyeong Lee, Moon-Chang Baek, Byung Ha Chung, Sang-Ho Lee, Chan-Duck Kim. Daegu, Republic of Korea; Seoul, Republic of Korea.
- C30** **FSGS Pattern with Podocyte Proliferation and Heavy Proteinuria Combined Late Antibody Mediated Rejection of Renal Allograft: Collapsing Glomerulopathy or Transplant Podocytopathy?**
Jiqui 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)**
R. L. Heilman, J. J. Friedewald, K. M. Kurian, T. C. Whisemant, E. D. Poggio, C. Marsh, P. Baliga, N. D. Bridges, J. Odum, M. S. Brown, D. N. Ikle, B. D. Armstrong, L. Zhao, D. Salomon, M. M. Abecassis. Phoenix; Chicago; Chapel Hill; Bethesda; La Jolla; Cleveland; Charleston.
- C32** **Prediction of Renal Allograft Chronic Rejection Using a Model Based on Contrast Enhanced Ultrasonography**
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**
Vaka K. Sigurjonsdottir, Paul Grimm. Palo Alto, CA.

- C34** **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.
- C35** **Renal Allograft Cortical Perfusion Quantification by 3D-Arterial Spin Labeling Could Be Used to Identify Subclinical Antibody-Mediated Rejection**
 Wei Wang, Jiqui Wen, Feng Xu, Yuanmeng Yu, Longjiang Zhang, Zhihong Liu. Nanjing, China.
- C36** **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**
 Toshihide Tomosugi, Kenta Iwasaki, Mai Okumura, Yutaka Matsuoka, Kosei Horimi, Manabu Okada, Yoshihiko Watarai, Takaaki Kobayashi. Nagakute, Aichi, Japan; Nagoya, Aichi, Japan.
- C37** **Patients with C-aABMR and V-Lesions in Their Renal Transplant Biopsy Have a Superior Response to Treatment**
 Kasia Sablik, Marian Clahsen-van Groningen, Caspar Looman, Michiel Betjes. Rotterdam, Netherlands.
- C38** **Genetic Risk Factors of Post-Transplant Thrombocytopenia in Kidney Allograft Recipients**
 David I. Min, Youngil Chang, Tariq Shah. Pomona, CA; Los Angeles, CA.
- Kidney Donor Selection / Management Issues**
- C39** **Alemtuzumab Induction as a Mediator of Nonadherence in Renal Transplantation**
 Graham B. Mitro, Obi Ekwenna, Michael Rees, Jorge Ortiz. Toledo, OH.
- C40 †** **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.
- C41 †** **Exploring the Viability of Kidneys Discarded in the US: A Comparison of Kidney Utilization Patterns and Outcomes in the US and France**
 O. Aubert, P. P. Reese, M. Raynaud, D. Viglietti, C. Loheac, N. Kamar, M. Delahousse, C. Legendre, D. Glotz, C. Lefaucheur, A. Loupy. Paris, France.
- C42 †** **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.
- C43 †** **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.
- C44 †** **Liver Transplant Recipients with End-Stage Renal Disease Largely Benefit from Kidney Transplantation**
 Weiqiang Ju, Yunhua Tang, Qiang Zhao, Lipeng Jing, Shanzhou Huang, Zebin Zhu, Fei Ji, Zhiheng Zhang, Xiaoshun He, Guodong Chen, Zhiyong Guo, Dongping Wang. Guangzhou, Guangdong, China.

- C45 † Early Graft Function Correlates with Survival Benefit in Kidney Transplant Recipients with Peripheral Vascular Disease**
Elijah S. Min, Vasishta S. Tatapudi, Nicole M. Ali, Bruce E. Gelb, Nabil N. Dagher, Judith A. Benstein, Robert A. Montgomery, Bonnie E. Lonze. New York, NY.
- C46 † Machine Learning to Assess Kidney Donor Risk**
Ashesh P. Shah, Michael Li, Zhang Chen. Philadelphia, PA.
- C47 † Donor Plasma Mitochondrial DNA Predicts Post-Transplant Renal Allograft Outcomes**
Fei Han, Shaogui 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.
- C48 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.
- C49 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.
- C50 Flow DSA-XM: Better Crossmatch or Just Different Problems?**
Pamela Kimball, Felecia McDougan. Richmond, VA.
- C51 Psychosocial Assessment of Candidates for Transplantation (PACT) Identifies Non-Adherence in Pediatric Kidney Transplantation**
Kyle Freischlag, Vivian Chen, Shashi Nagaraj, Annabelle N. Chua, Eileen T. Chambers. Durham, NC.
- C52 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.
- C53 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.
- C54 Kidney Transplantation (KTx) Using Kidneys from Deceased Donors (DD) with Severe AKI Does Not Negatively Impact 1 Year Biopsy Chronic Changes**
Anjushree Kumar, Ananth Srinivasan, Amit K. Mathur, Janna L. Huskey, Hasan A. Khamash, Maxwell L. Smith, Adyr A. Moss, Kunam S. Reddy, Raymond L. Heilman. Phoenix.
- C55 Excellent Long-Term Outcomes with Kidney Transplants from Deceased Donors with Acute Kidney Injury**
Geoffrey K. Dube, Syed A. Husain, David J. Cohen, Sumit Mohan. New York, NY.
- C56 DCD Kidneys with Remuzzi Scores of 4-5 Can Be Accepted for Solitary Kidney Transplantation**
Xiao-peng Yuan, Chuang-bao Chen, Yi-tao Zheng, Jian Zhou, Chang-xi Wang, Xiao-shun He. Guangzhou, China.
- C57 National Outcomes of Donor and Recipient Sex Mismatch in Kidney Transplantation**
Jacantha Buggs, Lei Wang, Ruisheng Liu, Ebonie Rogers, Victor Bowers. Tampa, FL.
- C58 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.

C62.1 **Outcomes after Kidney Transplantation in Patients with AL Amyloid Following Autologous Stem Cell Transplantation**
V. Gutgarts, I. Jaffer Sathick, C. Rosenbaum, T. Muthukumar, H. Hassoun, C. Flombaum, H. Landau. NY.

Kidney Immunosuppression: Novel Regimens and Drug Minimization

C63 † **Simplified Once-Daily Immunosuppressive Regimen for Stable Kidney Recipients**
Su Hyung Lee, Kyu Ha Huh, Jin Seok Jeon, Sung-Joo Kim, Yu Seun Kim, Chang-Kwon Oh. Suwon, Korea; Seoul, Korea.

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 Fischereeder, 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**
C. R. Dorr, B. Wu, R. P. Rimmel, A. Muthusamy, D. P. Schladt, J. E. Abrahante, W. Guan, R. B. Mannon, A. J. Matas, W. S. Oetting, P. A. Jacobson, A. K. Israni. Minneapolis; Birmingham.

C66 † **Everolimus and the Risk of Graft Loss or Death in Kidney Transplant Recipients: A Trial-Based Linkage Study**
Tracey Ying, G. Wong, W. Lim, G. Russ, H. Pilmore, J. Kanellis, D. Goodman, P. Trevillian, S. Campbell, M. Suranyi, M. Mathew, R. Faull, R. Masterson, R. Walker, P. O'Connell, Steven Chadban. Camperdown, Australia; Sydney, Australia.

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**
M. Henry, F. Citterio, M. S. Kim, D. Kim, P. Bernhardt, A. Das Gupta, Y. Watarai. Basel, Switzerland.

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; Norrystown; Parma, Italy; Berlin, Germany.
- C71 † Early Steroid Withdrawal or Tacrolimus Minimization versus Standard Immunosuppression in Renal Transplant Recipients: The Allegro Trial**
Jan-Stephan F. Sanders, Antonio W. Gomes-Neto, Marja v Dijk, Marit v Sandwijk, Hans W. de Fijter, Jaap J. Homan vd Heide, Aiko P. de Vries, Frederike J. Bemelman. Groningen, Netherlands; Amsterdam, Netherlands; Leiden, Netherlands.
- 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 Maignon, Caroline Dudreuilh, Philippe Rémy, Jean-Luc Taupin, Philippe Grimbert. Creteil, France; Paris, France.
- C74 † De Novo or Early Conversion to Everolimus and the Risk of Skin Cancers in Kidney Transplant Recipients: A Trial-Based Linkage Study**
Tracey Ying, G. Wong, W. Lim, G. Russ, H. Pilmore, J. Kanellis, D. Goodman, P. Trevillian, S. Campbell, M. Suranyi, M. Mathew, R. Faull, R. Masterson, R. Walker, P. O'Connell, Steven Chadban. Camperdown, Australia.
- C75 Validation of Genetic Variants Identified in GWAS for Tacrolimus Troughs**
Pamala Jacobson, David Schladt, Weihau Guan, Jessica van Setten, Rory Rimmel, 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.
- C76 Preemptive Plasma Therapy and Eculizumab (ECU) Rescue for Atypical Hemolytic Uremic Syndrome (aHUS) Relapse Following Kidney Transplantation (KTX)**
Christof Aigner, Georg Böhmig, Farsad Eskandary, Martina Gaggl, Renate Kain, Raute Sunder-Plassmann, Zoltan Prohaszka, Alice Schmidt, Gere Sunder-Plassmann. Vienna, Austria; Budapest, Hungary.
- 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.
- C79 Does One Size Fit All? Implementing a Protocolized Ambulatory Tacrolimus Dosing Strategy in a Predominantly African American Renal Transplant Population**
L. Gylten, C. Mardis, D. Taber, H. Meadows, C. Perez, Z. Elmaasarani, J. Fleming, N. Patel, P. Baliga, V. Rao, V. Rohan, N. Pilch. Charleston, SC.
- C80 The Effect of Tacrolimus Trough Level and Inpatient Variability on the Transplant Outcomes in Kidney Transplantation**
Juhan 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.

- C81 Sirolimus Use Improves Cancer-Free Survival Following Transplantation: A Single Center 10-Year Analysis**
Panpan Chen, Lakshmi Nair, Ashar Ata, David Conti, Reynold I. Lopez-Soler. 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)**
Timothy Horwedel, Rupinder Sodhi, Demetra Tsapapas, Mark Mills, Samir Patel, Graham Towns. St. Louis, MO; New York, NY; Cary, NC; Birmingham, AL.
- C83 The Ratio of CTLA4 to Perforin and Granzyme B as a Potential Biomarker of Tolerance in Chimeric Renal Transplant Patients**
Ahmed Khalil, Anita Chhabra, Andrea Merchak, Larry Kahn, Joseph Leventhal, Suzanne Ildstad. Louisville, KY; Chicago, IL.
- C84 Influence of Trough Level in Tacrolimus on the Appearance Rate of *De Novo* Donor Specific Antibody (*dn*DSA) under Low Dose-Based Tacrolimus Protocol during 7 Years Follow-Up after Renal Transplantation**
Hideki Ishida, Kazunari Tanabe, Tomokazu Shimizu, Miyuki Furusawa. Tokyo, Japan.
- C85 Long-Term Effects of Ketoconazole in Rapid Tacrolimus Metabolizers Post-Renal Transplantation**
Jane Ching, Stephanie Anders, Marissa Janusek, Lisa Hutchinson, Andrew Freeman, Ushma Patel, Alaa Mohammed, Humberto Bohorquez. New Orleans, LA.
- C86 Long-Term Efficacy and Safety of Everolimus Based Immunosuppression on *De Novo* Kidney Transplantation with 9 Years Follow-Up**
Shunji Narumi, Yoshihiko Watarai, Norihiko Goto, Takahisa Hiramitsu, Manabu Okada, Makoto Tsujita, Kenta Futamura, Morikuni Nishihira, Takaaki Kobayashi. Nagoya, Aichi, Japan; Nagakute, Aichi, Japan.
- C87 Time within Therapeutic Range: A Comparison of Three Tacrolimus Formulations in Renal Transplant Recipients**
Karen Khalil, Patricia West-Thielke, Alicia Lichvar, Enrico Benedetti, Shree Patel. Chicago, IL.
- C88 Impact of Steroid Maintenance on the Outcomes of HLA-DR Mismatch Kidney Transplantation**
Bhavna Chopra, Kalathil K. Sureshkumar. Pittsburgh, PA.
- C89 A Novel Combined Formula to Direct Optimal Immunosuppressive Drug Exposure in Renal Transplant Recipients**
Oleh Pankewycz, Engin Onan, Mark Laftavi, Rainer Gruessner, Heidi Smileuski, Elizabeth Alissandrello, Angelika Gruessner. Syracuse, NY; Adana, Turkey; New York, NY.
- C90 Once Daily CNI Administration Based on Pharmacodynamic Analysis for Preventing Viral Infection**
Yutaka Matsuoka, Kenta Iwasaki, Yuko Miwa, Kousei Horimi, Kazuharu Uchida, Takaaki Kobayashi. Nagakute City, Aichi, Japan.
- C91 Belatacept and Tacrolimus Corticosteroid-Free Regimens Lead to Elevated Mycophenolic Acid Exposure at 1 and 3 Months after Kidney Transplantation**
A. Dao, S. Tremblay, A. Shields, A. Loethen, B. Abu Jawdeh, T. Diwan, A. Govil, E. S. Woodle, R. Alloway. Cincinnati.
- C92 CMV and BKV Infections after Kidney Transplantation: Combined Tacrolimus/everolimus Strategy Using Antithymocyte Globulin Induction**
Thomas Jouve, Raphaëlle Germi, Bénédicte Janbon, Gaëlle Fiard, Paolo Malvezzi, Lionel Rostaing. Grenoble, France.

- C93** **Presence of Chronic Vascular Lesions on Allograft Biopsy is Associated with Greater Improvement in Renal Function after Conversion from Tacrolimus to Belatacept**
 Maria Jose Perez-Saez, Bryant Yu, Audrey Uffing, Naoka Murakami, Jamil Azzi, Sandra El Haji, Steve Gabardi, Leonardo V. Riella. Boston, MA; Barcelona, Spain.
- C94** **Long Term Outcomes of a Steroid Free, Low Dose Tacrolimus with Everolimus Regimen in Kidney Transplant**
 Yvonne Kassis, Sook Park, Aneesha Shetty, Joseph Leventhal, Valeria Mas, Lorenzo Gallon. Chicago, IL; Charlottesville, VA.
- C95** **Evaluation of Tacrolimus Extended-Release in African American Renal Transplant Recipients**
 Tracy Sparkes, Bharath Ravichandran, Carla Williams, Beje Thomas, Brian Masters. Baltimore.
- C96** **Efficacy and Safety of a Single-Dose Rituximab for Prevention of Focal Segmental Glomerulosclerosis Recurrence after Kidney Transplant**
 Yee Lu, John Lyons, Sarah Tischer, Kenneth Woodside, Jeong Park. Ann Arbor, MI.
- C97** **Cognition after Belatacept Conversion**
 Chioma J. Ogbejesi, Elizabeth Cohen, Kristen D. Belfield, William S. Asch. New Haven, CT.
- C98** **Development of Optimal Simplified Equation for Estimation of Mycophenolic Acid Exposure Following Enteric-Coated Mycophenolate Sodium Administration in Chinese Renal Transplant Recipients**
 W. Peng, C. Tian, Z. Chen, W. Xue, G. Wang, Q. Ye, X. Zhang, M. Gu, M. Zhao, C. Wang, C. Huang, J. Yan, W. Zhang, C. Ding, Y. Fu, S. Ye, X. Hu, R. Tan, M. Li, R. Deng, Y. Ke, W. Wu, M. Fan, J. Chen. Hangzhou, China.
- C99** **Evaluation of Multiple Linear Regression Limited Sampling Strategies for Enteric-Coated Mycophenolate Sodium in Adult Kidney Transplant Recipients**
 Christine E. Staatz, Emily Brooks, Nicole M. Isbel, Brett McWhinney, Susan E. Tett. Brisbane, QLD, Australia.
- C100** **Comparison of Low Dose and Very Low Dose Extended-Release Tacrolimus / MMF in De Novo Kidney Transplant Recipients- 3 Years Follow-Up**
 Shunji Narumi, Yoshihiko Watarai, Norihiko Goto, Takahisa Hiramitsu, Makoto Tsujita, Manabu Okada, Kenta Futamura, Takaaki Kobayashi. Nagoya, Aichi, Japan; Nagakute, Aichi, Japan.
- C101** **Clinical Significance of Tacrolimus Trough Level at the Early Period after Kidney Transplantation**
 Woo Yeong Park, Sang Mok Yeo, Seong Sik Kang, Ha Yeon Park, Kyubok Jin, Sung Bae Park, Seungyeup Han. Daegu, Republic of Korea.
- 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**
 Marie Matignon, Caroline Dudreuilh, Philippe Rémy, Dominique Desvaux, Philippe Grimbert. Creteil, France.
- 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.
- C104** **Can We Optimise Immunosuppression Strategies in Our Older Renal Transplant Recipients?**
 Muir Morton, Kathrine Parker, Charles Morecroft. Manchester, United Kingdom; Liverpool, United Kingdom.

- C105 Target Tacrolimus Troughs and CYP3A5 Polymorphisms Do Not Predict Therapeutic Drug Exposure in African American and Caucasian Renal Transplant Recipients**
Kathleen Tornatore, Kris Attwood, Daniel Brazeau, Shirley Chang, Rocco Venuto. Buffalo; Portland.
- C106 Transplant Cost Reduction in a Developing Country: “The Case of Guatemala”**
Sindy Méndez, Brooke Remey, Edgar E. Reyes, Angie L. Aguilar-González, Randall M. Lou-Meda. Guatemala, Guatemala.
- C107 Immunosuppression Does Not Affect Adverse Pathological Outcomes in Men Who Underwent Radical Prostatectomy**
Mohamed Eltemamy, Ahmed Elshafei, Yaw Nyame, Alice Crane, Alvin Wee, Venkatesh Krishnamurthi, Eric Klein, Stephen Jones. Cleveland.
- 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.
- C109 Long-Term Outcomes of a Steroid-Free, Belatacept-Based Immunosuppressive Regimen Plus Sirolimus Using Alentuzumab Induction in Renal Transplantation**
A. Guasch, A. Ghali, S. Mead, A. K. Mehta, H. Xu, A. D. Kirk. Atlanta, GA; Durham, NC.
- C110 A Novel Protocol to Improve Kidney Transplant Outcomes in Patients with Renal Disease Due to Amyloidosis**
Anthony J. Langone, Beatrice P. Concepcion, David Slosky, Robert F. Cornell, Sara Horst, Stacey Goodman. Nashville, TN.
- C111 The Infusion with a Difference: Patient Experiences with Belatacept**
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**
Megan Benincasa, Veronika Colomy, Nicole M. Sifontis, Swati Rao, Kwan Nang (Kelvin) Lau, Sunil Karhadkar, Antonio Di Carlo, Adam Diamond. Philadelphia, PA.
- 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**
W. Peng, C. Tian, Z. Chen, W. Xue, G. Wang, Q. Ye, X. Zhang, M. Gu, M. Zhao, C. Wang, C. Huang, J. Yan, W. Zhang, C. Ding, Y. Fu, S. Ye, X. Hu, R. Tan, M. Li, R. Deng, Y. Ke, W. Wu, M. Fan, J. Chen. Hangzhou, China.
- C115 Calcineurin Inhibitors, Macrolides, and the Risk of Adverse Drug Events in Kidney Transplant Recipients**
Rachel Jeong, Robert Quinn, Pietro Ravani, Krista Lentine, Anita Lloyd, Brenda Hemmelgarn, Kevin Wen, Branko Braam, Sita Gourishankar, Anita Wong, Ngan Lam. Edmonton, Canada; Calgary, Canada; St. Louis.
- C116 β -Glucuronidase Gene Expression in Stool Samples Associated with Chronic Allograft Dysfunction in Kidney Transplants**
A. Israni, D. Knights, G. Al-Ghalith, A. Muthusamy, B. Wu, W. Oetting, D. Schaldt, R. P. Remmel, P. Jacobson, For DeKAF Genomics & GEN03 Investigators. Minneapolis; Mpls.
- C117 Mycophenolate Monotherapy is Safe and Effective in HLA-Matched Kidney Transplant Recipients**
Anthony J. Hennes, Kimberly Holdener, William Burlingham, Brad C. Astor, Arjang Djamali. Madison, WI.

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.

Kidney Living Donor Issues

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
Taylor A. Melanson, Mohua Basu, Laura Plantiga, Stephen Pastan, Sumit Mohan, Rachel Patzer. Atlanta; New York.

C122 † Opioid Use Following Ultrasound-Guided Transverse Abdominis Plane Blocks in Living Donor Nephrectomy Patients
E. J. Henriksen, 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
Xingyu Zhang, Taylor A. Melanson, Laura C. Plantinga, Mohua Basu, Stephen O. Pastan, Sumit Mohan, Michael D. Garber, Rachel E. Patzer. Atlanta; New York.

C124 † Maternal and Fetal Outcomes in Living Kidney Donors in Korea
Hajeong Lee, Kyung Don Yoo, Mi-yeon Yu, Yon Su Kim. Seoul, Korea; Gyeongju, Korea.

C125 Taking Specific Steps to Pursue Living Donor Kidney Transplant is Associated with Greater Odds of Having a Potential Living Donor Identified
Abeera Ali, Deanna Toews, Navneet Singh, Ali Ayub, Candice Richardson, Sumaya Dano, Dorothy Wong, John D. Peipert, Amy Waterman, Marta Novak, Istvan Mucsi. Toronto, ON, Canada; Los Angeles, CA.

C126 Positive Implications of an Enhanced Recovery after Surgery Protocol Using Liposomal Bupivacaine for Transverse Abdominis Plane Block in the Perioperative Phase of Robotic Assisted Laparoscopic Living Donor Nephrectomy
Arash Nickkholgh, Avinash Agarwal, Bethany Sarosiek, Anita Sites, Angie Nishio Lucar, Jose Oberholzer, Peter Amato. Charlottesville, VA.

C127 Efficacy of Current Educational Interventions in Improving Living Donor Kidney Transplantation Rates
Shaifali Sandal, Nandini Dendukuri, Shouao Wang, Elena Guadagno, Taline Ekmekjian, Ahsan Alam. Montreal, Canada.

C128 Evaluation of Financial Well-Being of Living Kidney Donor Candidates
Sunita K. S. Singh, Grace Bannerman, Alyssa Yantsis, Michelle Liu, Franz Marie Gumabay, Olsegun Famure. Toronto, ON, Canada.

C129 Estimated GFR for Living Kidney Donor Evaluation before and after 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 Buerhaus, 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**
Hani Alahdal, Fatimah Alghamdi, Mohamed Shoukri, Jens Brockmann, Dieter Broering. Riyadh, Saudi Arabia.
- 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**
Yoon Bin Jung, Deok Gie Kim, Jee Youn Lee, Seung Hwan Song, Jung Jun Lee, Beom Seok Kim, Jae Geun Lee, Soo Jin Kim, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Kyu Ha Huh. Seoul, Republic of Korea; Seongnam, Republic of Korea.
- 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, Lizhong Chen. Guangzhou, Guangdong, China.
- C140 Effects of Medication Education Pilot Program in Living versus Deceased Donor Kidney Transplant Recipients.**
Nimisha Sulejmani, Hasenia Albanna, Bryant Summers, Arin Jantz, Rohini Prashar, Anita Patel. Detroit, MI.
- C141 South Asian and Muslim Canadian Patients Are Less Likely to Receive Living Donor Kidney Transplant Offers Compared to Caucasian, Non-Muslim Patients**
Abeera Ali, Ali Ayub, Candice Richardson, Nathaniel Edwards, Tibyan Ahmed, Marta Novak, Istvan Mucsi. Toronto, ON, Canada.
- C142 Attitudes of African Canadian Patients with End Stage Kidney Disease toward Living Donor Kidney Transplantation**
Vardaan Gupta, Candice Richardson, Dmitri Belenko, Navneet Singh, Allen Xu, Punithan Thiagalingam, Dorothy Wong, Heather Ford, Marta Novak, Istvan Mucsi. Toronto, ON, Canada.
- C143 How Old is Too Old? Expanding Living Kidney Organ Transplantation from Donors above 60 Years of Age with Associated Comorbidity.**
Abbas Ghazanfar, Laylan Salih. London, United Kingdom.
- C144 Outcomes in Living Kidney Transplant Donor and Recipient Operations with Same vs. Different Surgeons**
Julio Sokolich, Jacentha Buggs, Deandra Mahon, Ebonie Rogers, Victor Bowers. Tampa, FL.

- C145 Shortening Length of Post-Operative In-Patient Stay for Living Kidney Donors**
 Marci Loiselle, Heather Bruschein, Jaclyn Jacobs, Shaina Gulin, Terra Rose, Harendra Arora, Rebekah Nash, Alexander Toledo, Tomasz Kozlowski. Chapel Hill.
- C146 The New Crescentic Incision: A Good Option for Donor Nephrectomy**
 Mehmet Haberal, Mahir Kirnap, Aydinca Akdur, Ebru H. Ayvazoglu Soy, Sedat Yildirim, Gokhan Moray, Zeynep Kayhan, Adnan Torgay. Ankara, Turkey.
- C147 Transplantation of Restored Kidneys from Living Related Donors after Small Renal Tumor Resection: Report of 5 Cases**
 Yoshihide Ogawa, Shinyu Shiroma, Keimei Kojima, Rensuke Mannami, Makoto Mannami, Naoki Mitsuhata, Mitsuo Nishi, Hisaaki Afuso. Akishima, Tokyo, Japan; Uwajima, Ehime, Japan; Okinawa, Japan; Sakaide, Kagawa, Japan.
- C148 Impact of ABO-Incompatible Kidney Transplantation on Lymphocele Formation**
 Chiara Salabe, Stefan Zschiedrich, Przemyslaw Pisarski, Bernd M. Jänigen. Freiburg, Germany.
- C149 Experience and Safety of Hand-Assisted Laparoscopic Nephrectomy for Living Kidney Donors at Mexico's General Hospital "Dr. Eduardo Liceaga"**
 Paola Prieto-Olivares, Luis Garcia-Covarrubias, Alejandra Bahena-Portillo, Alejandra Cicero-Lebrija, Víctor Visag-Castillo, Hector Hinojosa-Heredia, Diana Fernandez-Angel, Yessenia Carrión, Alberto Rosas, Emanuel Pedraza, Ingrid Castro, Aldo García-Covarrubias, Hector Diliz-Perez. Mexico City, Mexico.
- C150 Analysis of Patient Reported Outcomes for Patients That Received Living Donor Kidney Transplants**
 Erika K. Venniro, Jeremy G. Taylor. Rochester, NY.

- C151 † Further *In Vivo* and *In Vitro* Evidence That Anti-CD40 MABS Do Not Induce Thromboembolism**
 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.
- C152 † Risk Factors for Failure to Complete Post-Donation Follow-Up among Obese Living Kidney Donors**
 Rhiannon D. Reed, Paul A. MacLennan, Brittany A. Shelton, Margaux N. Mustian, Deanna M. McWilliams, Deirdre Sawinski, Jayme E. Locke. Birmingham, AL; Philadelphia, PA.
- C153 † Temporal Trends in Living Kidney Donor Candidates**
 Sunita K. S. Singh, Vanessa DiCecco, Michael Luo, Yanhong Li, Olsegun Famure. Toronto, ON, Canada.

Kidney Technical

- C154 † Native Kidney Volume Decreases after Kidney Transplantation in Patients with Autosomal Dominant Polycystic Kidney Disease: Less Patients Need Nephrectomy?**
 Reiichi Murakami, Daiki Nagawa, Masamichi Nakata, Ikuyo Narita, Takeshi Fujita, Michiko Shimada, Norio Nakamura, Hirofumi Tomita, Shingo Hatakeyama, Takahiro Yoneyama, Yasuhiro Hashimoto, Takuya Koie, Chikara Ohyama. Hiroasaki, Japan.
- C155 Enhanced Recovery after Renal Transplant Surgery Using a Transversus Abdominis Plane Block is Associated with Decreased Hospital Length of Stay**
 Dasun S. Peramunage, David B. Auyong, Christian Kuhr, Jared Brandenberger, Nick Cowan, Neil A. Hanson. Seattle, WA.
- C156 Impact of Lymphoceles after Kidney Transplantation on Long-Term Outcomes**
 Lukas J. Lehner, Arnim Hohberger, Fabian Halleck, Eva Schrezenmeier, Dmytro Khadzhynov, Klemens Budde, Oliver Staeck. Berlin, Germany.

- C157 The Efficacy of Laser Speckle Flowgraphy Device for Intraoperative Evaluation of Renal Blood Flow after Reperfusion**
Masaki Muramatsu, Yoshihiro Itabashi, Yusuke Takahashi, Kei Sakurabayashi, Toshihide Mizutani, Yoji Hyodo, Yuko Hamasaki, Takakeshi Kawamura, Ken Sakai, Seiichiro Shishido. Tokyo, Japan.
- C158 An Initial Experience with the Endowrist Robotic Endostapling Device for Renal Donor Nephrectomy**
Miguel Tan, Harrison Pollinger. Atlanta.
- C159 Evaluation of Transplant Kidneys Using a Novel Point of Care 3D Ultrasound System**
Julia R. Salinaro, Joshua Broder, Elias Jaffa, Matthew Morgan, Deepak Vikraman-Sushama, Jeremy Dahl, Carl Herickhoff, Alexander Limkakeng, Erica Peethumnongsin, Joseph Borawski. Durham, NC; Palo Alto, CA.
- C160 Hemodialysis Catheter-Related Right Atrial Thrombus Detected Prior to Kidney Transplantation**
Soomin Jeung, Hyosang Kim, Chung Hee Baek, Su-Kil Park. Seoul, Republic of Korea.
- C161 Pinching an Inch in Kidney Transplantation: Subcutaneous Depth as a Risk Factor for Wound Complications**
Richard Ruiz, Thomas Cox, Kari Wicklund, Nicole Jennings, Nicholas Onaca, Giuliano Testa, Tiffany Anthony, Hoylan Fernandez, Johanna Bayer, Greg McKenna. Fort Worth.
- C162 Enhanced Recovery after Kidney Transplantation Regardless of Donor Organ Source**
Okechukwu Ojogho, Samer BaniHani, Saed Nemr, Brad Dieter, Anne Joyce, Juan Mejia. Spokane, WA.
- C163 Continuous and Single-Shot Transverse Abdominis Plane (TAP) Block vs. Conventional Analgesia after Kidney Transplant Surgery**
Junichiro Sageshima, Christoph Troppmann, Chandrasekar Santhanakrishnan, John P. McVicar, Richard V. Perez. Sacramento, CA.
- C164 Successful Management of Simultaneous Liver-Kidney Transplant Recipient with Primary Hyperoxaluria Using Intensive Continuous Dialysis**
Abubakr Abdelaziz, Angie Nishio-Lucar, Alden Doyle, Shawn Pelletier, Sara Rasmussen, Peter Lobo, Karen Warburton. Charlottesville, VA.
- C165 Temporary Contraindication of Obese Recipients in Kidney Transplantation: A New Morphometric Tool for Decision Support**
Ugo Pinar, Yohann Renard, Dina Bedretdinova, Cedric Lebacle, Bastien Parier, Yacine Hamoudi, Jacques Irani, Thomas Bessede. Le Kremlin-Bicetre, France; Reims, France; Villejuif, France.
- C166 Unilateral vs. Bilateral Dual Kidney Transplantation: University of Bologna Experience**
Massimo Del Gaudio, Matteo Ravaioli, Chiara Zanfi, Valentina Bertuzzo, Lorenzo Maroni, Gaetano La Manna, Giovanni Liviano, Antonio Siniscalchi, Antonia D'Errico, Antonio Daniele Pinna. Bologna, Italy; Bolgona, Italy.
- C167 Urological Complications of Prophylactic Ureteral Stent vs. No Stent in Kidney Transplant Recipients at Erie County Medical Center (ECMC)**
Mohammed Hamid, Jagdesh Kumar, Shehryar Anjum, Sunil Patel, Gregory Gudleski, Sara Mietz, Michael Ott, Shirley Chang. Buffalo, NY.
- C168 Prediction of 90 Days Readmission after Kidney Transplantation Including Natural Language Processing**
Xingyu Zhang, Michael Arenson, Joyce Kim, Geeta Karadkhele, Julien Hogan, Yiran Zhang, Andrew B. Adams, Rachel E. Patzer. Atlanta.
- C169 Torsion and Inversion of Intraoperative Kidneys Manifesting as Acute Allograft Dysfunction - A Case Series**
Praveen Kandula, Anup Patel, Sarina Bains, Harry Sun. Livingston, NJ.

- C170 Vascular Allografts in Renal Transplantation**
Diego C. Reino, Gabriel T. Schnickel, Erik Ale, Samer Ebaid, Neerja Agrawal, Salwa Rhazouani, Surafel Gebreselassie, Andreas G. Tzakis. Weston, FL.
- C171 Impact of an Anastomosis Time on Transplant Outcomes in Deceased Donor Kidney Transplantation**
Kye Hwa Jeong, Hee-Yeon Jung, Jinyoung Choi, Jeong-Hoon Lim, Ji-Young Choi, Jang-Hee Cho, Sun-Hee Park, Yong-Lim Kim, Chan-Duck Kim. Daegu, Republic of Korea.
- C172 The Impact of Lymphocele Formation after Kidney Transplantation on De Novo Donor Specific Antibody Formation**
Lukas J. Lehner, Arnim Hohberger, Fabian Halleck, Eva Schrezenmeier, Klemens Budde, Oliver Staeck, Dmytro Khadzhyrov. Berlin, Germany.
- C173 Preoperative Anemia in Transfusion Free Patients Undergoing Kidney Transplant May Be Associated with Poor Outcome**
Navpreet Kaur, Alejandro Pita, Christianne Lane, Manas Bhatnagar, Lea Matsuoka, Rick Selby, Kiran Dhanireddy. Los Angeles, CA.
- C174 Involvement of Additional Surgeons in Robot Assisted Kidney Transplantation Does Not Affect Surgical Outcomes, in the Context of a Structured Robotic Surgery Program. Results from a CUSUM Analysis**
Federico Gheza, Caterina Di Bella, Pier C. Giulianotti, Jose' Oberholzer, Enrico Benedetti, Ivo Tzvetanov. Chicago, IL; Virginia, VA.
- C175 Artificial Graft Extension of Renal Vein in Living Kidney Transplantation**
Sungsin Cho, Won Pyo Cho, Min-Ji Cho, Chanjoong Choi, Sanghyun Ahn, Sang-il Min, Seung-Kee Min, Sang Joon Kim, Jongwon Ha. Seoul, Korea; Goyang, Korea.
- C176 Minimal Invasive Surgery is Feasible and Safe in Patients with Liver and Kidney Transplant Patients**
Wen Yao Yin. Chiayi, Taiwan; Hualien, Taiwan.
- C177 † Krüppel-Like Factor 15 is a Key Suppressor of the Glomerular Epithelial Cell Fibrosis under Centrifugal Force Driven Pressure**
Mi-yeon Yu, Yong Chul Kim, Hajeoung Lee, Jung Pyo Lee, Ran Hui Cha, Chungsik Lee, Yon Su Kim, Seung Hee Yang. Seoul, Korea; Jeju, Korea.
- C178 † Novel Approach to Molecular Testing Using Routine Diagnostic Tissue**
Pawel Herzyk, Fiona A. McMonagle, Paul G. Shiels, Shana M. Coley. Glasgow, United Kingdom; New York.
- C179 Genes with Housekeeping Function (GHF) in Renal Allograft Tissue: An RNA-Seq Analysis**
Zijie Wang, Ling Pan, Zili Lyu, Gang Zeng, Parmjeet Randhawa. Pittsburgh, PA; Nanning, China.
- C180 Single versus Bilateral Simultaneous Nephrectomy during Kidney Transplantation in Autosomal Dominant Polycystic Kidney Disease**
Chanjoong Choi, Sungsin Cho, Min-Ji Cho, Won Pyo Cho, Sanghyun Ahn, Sang-il Min, Seung-Kee Min, Sang Joon Kim, Jongwon Ha. Seoul, Korea; Goyang-si, Gyeonggi-Do, Korea.
- C181 Kidney Transplantation Alone in End-Stage Renal Disease Patients with Hepatitis B Liver Cirrhosis**
Mun Jang, Myung Hyun Lee, Soon Bae Kim. Seoul, Republic of Korea; Choengjusi, Republic of Korea.
- Kidney: Polyoma**
- C182 † Y-Adapter Mediated Next Gen Sequencing of BKPyV from Archived FFPE Tissue**
Edward S. Harake, Weisheng Wu, Judith S. Opp, Evan A. Farkash. Ann Arbor.
- C183 † A "Multi-Omic" Analysis of Proteome and Metabolome for Acute Rejection and PVAN in Kidney Transplantation**
Tara Sigdel, Joshua Yang, Minnie Sarwal. San Francisco.

- C184 Induction Therapy with Low-Dose Rituximab Could Be a Risk Factor of BKV Associated Nephropathy in Kidney Transplant Recipients**
Reiichi Murakami, Daiki Nagawa, Masamichi Nakata, Ikuyo Narita, Takeshi Fujita, Michiko Shimada, Norio Nakamura, Hirofumi Tomita, Shingo Hatakeyama, Takahiro Yoneyama, Yasuhiro Hashimoto, Takuya Koie, Chikara Ohyama. Hirosaki, Japan.
- C185 Higher Concordance in the Incidence of DGF and Post-Transplant BKV Infection among Recipients Receiving Mate Kidneys from the Same Deceased Donor: A Paired Deceased Donor Kidney Transplant Analysis**
Kaushik Venkatesh, C. Wu, C. Puttarajappa, R. Mehta, P. Sood, A. Tevar, S. Hariharan. Pittsburgh, PA.
- C186 Prospective Study of Switching from Tacrolimus to Low-Dose Cyclosporine A Preserving Allograft Function in BK Virus-Associated Nephropathy**
Gang Huang, Xutao Chen, Shicong Yang, Changxi Wang. Guangzhou, China.
- C187 mTOR Inhibitor Based Immunosuppression Regimens Are Not Associated with Lower Risk for BK Infection**
Reem Daloul, Ronald P. Pelletier, Amer Rajab, Ginny L. Bumgardner, Musab Alebrahim, Clifford Akateh, Kenneth Washburn, Ashraf El-Hinnawi. Columbus, OH.
- C188 HLA Mismatching and cPRA Do Not Affect BK Viremia and Nephropathy Risk in Kidney Transplantation: A Retrospective Analysis**
Belal Suleiman, Sherif Saleh, Waleed Hassan, Kevin Wang, Amita Maibam, Aqm Karim, Abby Hines, Xiaonan Mei, Amr El-Husseini, Maria Yaseen, Virgilius Cornea, Ana Castellanos, Roberto Gedaly, Thomas Waid. Lexington, KY.
- C189 Multiplexed Immunofluorescence to Investigate the Immune Response to BK Virus in Pediatric Kidney Transplant Recipients**
Cecile T. Fajardo, Paul Grimm, Neeraja Kambham, Garry Nolan, Nikolay Samusik, Jonathan Maltzman. Stanford, CA.
- C190 Role of BK Virus-Specific T Cell Immune Monitoring for BK Virus-Associated Nephropathy in Kidney Transplant Recipients**
Jackrapong Bruminhent, Supanart Srisala, Compunuch Klinmalai, Subencha Pinsai, Siriorn P. Watcharananan, Surasak Kantachuvessiri, Suradej Hongeng, Nopporn Apiwattanakul. Bangkok, Thailand.
- C191 Association between Donor/Recipient BK Viral Serostatus and Risk of BK Viraemia Post-Transplantation**
Stephanie Chong, Claire Atkinson, Neal R. Banga, Mark Harber, Matthew Reeves, Ciara N. Magee. London, United Kingdom.
- C192 Prevalence, Risk Factors and Impact of BK Viremia on Kidney Transplantation: Single Center Experience**
Waleed Hassan, Amr El-Husseini, Belal Suleiman, Kevin Wang, Maria Yaseen, Amita Maibam, Aqm Karim, Abby Hines, Ana Castellanos, Virgilius Cornea, Xiaonan Mei, Roberto Gedaly, Thomas Waid. Lexington, KY.
- C193 Prediction of BK Viremia by Urine BK Viral Load in Renal Transplant Patients: BK Viral Load Results in Paired Urine and Plasma Samples**
Kathleen Madden, Charles Janitell, Shangxin Yang. Albuquerque, NM.
- C194 JC Virus-Associated Nephropathy in Renal Transplant Recipient**
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, Seungyeup 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.

- C197 Treatment of BK Viremia: Single-Center Experience**
Aqm Karim, Abigail Hines, Kevin Wang, Sherif Saleh, Belal Suleiman, Waleed Hassan, Amita Maibam, Maria Yaseen, Ana Castellanos, Virgilius Cornea, Xiaonan Mei, Roberto Gedaly, Thomas Waid, Amr El-Husseini. Lexington, KY.
- C198 Early Association of Low Doses of Tacrolimus and a mTOR Inhibitor in BK Polyomavirus Infection in Kidney Transplant Recipients**
Veronica Lopez, Teresa Vazquez, Cristina Jironda, Mercedes Cabello, Eugenia Sola, Mirian Leon, Elisea Marques, Domingo Hernandez. Malaga, Spain.
- C199 Incidence of Rejection and Antibody Formation after Immunosuppression Reduction in Patients with Biopsy Proven Polyomavirus Nephropathy**
Mark A. Kleman, Randal Detwiler, Harasharan Singh, Volker Nickeleit. Chapel Hill, NC.
- C200 Conversion to Mizoribine with Mycophenolate Eliminates or Reduces the BK Virus Load in Kidney Transplant Recipients: A Prospective Study**
Xiao-peng Yuan, Chuan-bao Chen, Yi-tao Zheng, Jian Zhou, Chang-xi Wang, Xiao-shun He. Guangzhou, China.
- C201 Impact of Age and Race on BK Viremia among Kidney Transplant Recipients**
Sapna A. Mehta, Nicole M. Ali, Bonnie Lonze, Anna Stachel. New York, NY.
- C202 Increased Gene Expression of TGF- β in Renal Transplant Patients with Polyomavirus BK Viremia**
Wen Yao Yin. Chia I, Taiwan; Hualien, Taiwan.
- C203 Incidence of BK Viraemia and BK Virus Associated Nephropathy with Standard vs. Augmented Immunosuppression**
Roshni Rathore, Sophia Anastassiadou, Amandeep Kaur, Judith Timms, Nithya Krishnan. Coventry, United Kingdom.

Liver: Immunosuppression and Rejection

- C204 Long-Term Outcomes of Liver Transplantation in Patients with Pre-Transplant Renal Dysfunction Treated with Induction Therapy and Delayed Reduced De Novo Once-Daily Tacrolimus**
Mikel Gastaca, Javier Bustamante, Alberto Ventoso, Jose R. Fernandez, Patricia Ruiz, Milagros Testillano, Mikel Prieto, Patricia Salvador, Ibone Palomares, Maria Senosiain, Maria J. Suarez, Andres Valdivieso. Bilbao, Spain.
- C205 De Novo Use of Extended Released Tacrolimus (Meldose, Envasus[®]) after OLT - Does the Colonic Resorption Influences the Outcome?**
Thomas Soliman, Georg Györi, Michael Hofmann, Andreas Salat, Susanne Rockenschaub, Gabriela Berlakovich. Vienna, Austria.
- C206 The Impact of Conversion from Immediate Release Twice-Daily Tacrolimus (Prograf[®]) to Once-Daily Extended Release Tacrolimus (Envarsus[®]) in Liver Transplant Recipients**
Massimo Del Gaudio, Matteo Cescon, Matteo Ravaioli, Valentina Bertuzzo, Chiara Zanfi, Matteo Serenari, Lorenzo Maroni, Cristina Morelli, Antonio Daniele Pinna. Bologna, Italy.
- C207 Effects of the Addition of Mycophenolate Mofetil on Renal Outcomes in Liver Transplant Recipients: A Single Center Review**
Molly Henry, Mary Vacha. Omaha, NE.
- C208 † Side Effect Profile of Everolimus in Liver Transplant Patients**
Fitsum Kumssa, Omar Sadiq, Maryam Alimirah, Randeep Kaur, Anita Patel, Syed-Mohammed Jafri. Detroit.

- 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, Hideaki Obara, Shinji Uemoto, Toshimi Kaido, Hideaki Okajima, Takahito Yagi, Tomoharu Yoshizumi, Yukihiro Inomata, Taizo Hibi, Keiichi Kubota, Tatsuya Suzuki, Yuko Kitagawa, Hiroto Egawa, Tatsuo Kuroda. Tokyo, Japan; Kyoto, Japan; Okayama, Japan; Fukuoka, Japan; Kumamoto, Japan; Tochigi, Japan; Aichi, Japan.
- C210 Single Center Experience of HLA-Related Donor Specific Antibody in Living Donor Liver Transplantation**
Hiroto Egawa, Yoshihiko Kotera, Akiko Ohmori, Shingo Yamashita, Takaaki Kato, Satoahi Nemoto, Tsutomu Ishizuka, Masakazu Yamamoto. Tokyo, 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.
- C212 The Net State of Immunosuppression in Septuagenarian Liver Transplant Recipients: Balancing Rejection and Infection Risks**
Jillian P. Casale, Jacqueline Clark, Bharath Ravichandran, John LaMattina. Baltimore.
- C213 Adjunctive Corticosteroid Immunosuppression Improves Hyperbilirubinemia Following Liver Transplantation (OLT)**
Gregory Malat, David Reich, Gary Xiao, Meera Harhay, Karthik Ranganna, Dong Heun Lee, Stephen Guy, Santiago Munoz. Philadelphia.
- 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-Hsien Cheng, Yu-Chao Wang, Chen-Fang Lee, Ting-Jung Wu, Hong-Shiue Chou, Kun-Ming Chan, Wei-Chen Lee. Taoyuan, Taiwan.
- C215 Clinical Outcomes of Late Conversion to Once-Daily Tacrolimus after Liver Transplant**
Deok Gie Kim, Yoon Bin Jung, Jee Youn Lee, Jae Geun Lee, Sung Hoon Kim, Man Ki Ju, Myoung Soo Kim, Soon Il Kim, Dong Jin Joo. Seoul, Korea; Wonju, Korea.
- C216 Once-Daily Prolonged-Release Tacrolimus versus Twice-Daily Tacrolimus in Liver Transplantation: A Meta-Analysis**
Ronghai Deng, Bingsong Huang, Yi Shi, Yi Ma. Guangzhou, Guangdong, China.
- Liver: Recipient Selection**
- C217 † Liver Transplantation in Foreign Nationals: Lower Rates of Waitlist Mortality and Higher Rates of Lost to Follow-Up Post-Transplant**
Nicole D. Ferrante, David Goldberg. Philadelphia.
- 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.
- C219 † Ethnic and Age Disparities in Outcomes among Liver Transplant Waitlist Candidates**
M. N. Mustian, S. H. Gray, B. A. Shelton, R. D. Reed, P. A. MacLennan, J. A. White, D. E. Eckhoff, R. M. Allman, J. E. Locke. Birmingham; Washington DC.

- C220 Validation of the alpha-Fetoprotein Model for Hepatocellular Carcinoma Recurrence after Transplantation in an Asian Population**
Jinsoo Rhu, Jong Man Kim, Gyu Seong Choi, Choon Hyuck David Kwon, Jae-Won Joh, Sang Jin Kim. Seoul, Republic of Korea.
- C221 First-Time Simultaneous vs. Sequential Liver-Kidney Transplantation in Polycystic Kidney Disease: A Review of the UNOS Database**
Patrick N. Nguyen, Abbas Rana, Tamir Miloh. Houston, TX.
- C222 Specialized Transplant Critical Care Model Improves Access to Transplantation and Short-Term Survival Outcomes after Liver Transplantation in the Highest Acuity Patients**
M. Selim, M. A. Zimmerman, J. Kim, T. Pearson, C. Eriksen, M. Wong, B. Boettcher, K. Regner, K. Saeian, H. Woehlk, J. C. Hong. Milwaukee, WI.
- C223 Cannabis Use in Liver Transplant Recipients: A Single Center Experience**
Jane Lee, Maria Valadez, Elisa A. Moreno, Daniela Markovic, Vache Agopian, Joseph DiNorcia, Hasan Yersiz, Douglas G. Farmer, Ronald W. Busuttil, Fady M. Kaldas. LA, CA.
- 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.
- C225 † Factors Associated with Listing for Liver Transplantation in an OPO Other Than the Resident OPO**
Sheng Zhou, Allan Massie, Sommer Gentry, Dorry Segev. Baltimore.
- C226 Comparison of Tobacco Consumption versus Marijuana Consumption in Liver Transplant Recipients**
Pablo Serrano Rodriguez, Randall O. Watkins, Lisa A. Jurgevich, David A. Gerber, Apoorve Nayyar, Jihane Jadi, Cara G. Moses, Chirag S. Desai. Chapel Hill, NC.
- C227 Excellent Outcomes for HCV-Viremic Recipients of Simultaneous Liver-Kidney Transplant in the Direct Anti-Viral Era**
Alexa Ray, Christina Klein, Thuy Ommert, Rosemary Cross, Raymond Rubin. Atlanta, GA.
- C228 Clinical Impact of Antecedent Bariatric Surgery on Liver Transplant Outcomes: A Retrospective Matched Case-Control Study**
Oscar K. Serrano, Kent Peterson, David M. Vock, Danielle Berglund, Raja Kandaswamy, John R. Lake, Timothy L. Pruet, Srinath Chinnakotla. Minneapolis, MN.
- C229 Comprehensive Validation of Different Clinical Prediction Models on Short- and Long-Term Outcome Following Orthotopic Liver Transplantation**
Joerg Boecker, Zoltan Czigany, Jan Bednarsch, Iakovos Amygdalos, Franziska Meister, Daniel Antonio Morales Santana, Wenzel Schoening, Tom Florian Ulmer, Marius Krebbers, Ger Koek, Daniela Kroy, Frank Tacke, Christian Trautwein, Ulf Peter Neumann, Georg Lurje. Aachen, Germany.
- C230 Outcomes of Liver Transplantation for Hepatic Epithelioid Hemangioendothelioma in the U.S. (2002-2015)**
Therese Bittermann, Stacey B. Prenner, Peter L. Abt, David S. Goldberg. Philadelphia, PA.
- C231 Pre Liver Transplant (LT) Prediction of Surgical Complexity by Recipient Risk Grading and Optimizing Outcomes: The Ochsner Experience**
H. Sharma, H. Bohorquez, D. S. Bruce, J. Seal, A. J. Cohen, E. Bugeaud, I. Carmody, D. Sonnier, A. Mathur, D. Marroquin, M. Voltz, L. DeGregorio, G. E. Loss. New Orleans, LA.

- C232 Impact of Aortic Abdominal Calcification among Living Donor Liver Transplant Recipients; a Retrospective Study**
Yuki Imaoka, Masahiro Ohira, Seiichi Simizu, Hiroyuki Tahara, Kentaro Ide, Yuka Tanaka, Hideki Ohdan. Hiroshima, Japan.
- C233 Pragmatic Surgical Risk Assessment Criteria in Critically Ill Patients Prior to Liver Transplantation**
C. Andrew Bonham, Zeynep Tulu, Mark L. Melcher, Paul Y. Kwo, Waldo Concepcion, Aijaz Ahmed, Carlos O. Esquivel. Stanford, CA.
- C234 Surgical Categorization Improve Outcomes and Organ Utilization in Liver Transplant**
Humberto Bohorquez, Hemant Sharma, David S. Bruce, Ari J. Cohen, Ian C. Carmody, John Seal, Emily Bugeaud, Dennis Sonnier, Abhishek Mathur, Devin Marroquin, Melissa Voltz, DeGregorio Lucia, George E. Loss. New Orleans, LA.
- C235 Hospitalization and Life Support before Liver Transplantation – Easily Available Predictors for Post-Transplant Patient Survival**
Leke Wiering, Paul Ritschl, Michael Hippler-Benscheidt, Felix Aigner, Matthias Biebl, Dennis Eurich, Moritz Schmelzle, Igor Sauer, Katja Kotsch, Johann Pratschke, Robert Öllinger. Berlin, Germany.
- C236 Protein S Deficiency as an Independent Risk Factor for Portal Vein Thrombosis in Cirrhotic Patients Awaiting Liver Transplantation**
Hao-Chien Hung, Jin-Chiao Lee, Chih-Hsien Cheng, Yu-Chao Wang, Tsung-Han Wu, Chen-Fang Lee, Ting-Jung Wu, Hong-Shiue Chou, Kun-Ming Chan, Wei-Chen Lee. Taoyuan, Taiwan.
- C237 Poverty, End Stage Liver Disease, and Transplantation in Georgia**
Raymond J. Lynch, Katie Ross, Joseph Magliocca, David Goldberg, Rachel Patzer. Atlanta, GA; Philadelphia, GA.
- C238 Impact of Sever Hypoxemia after Liver Tansplantation in Hepatopulmonary Syndrome**
Maheswaran Pitchaimuthu, Masato Fujiki, Kazunari Sasaki, Koji Hashimoto, Bijan Eghtesad, Charles Miller, Cristiano Quintini. Cleveland, OH.
- C239 † Frailty and Liver Transplantation**
Christine Haugen, Hao Ying, Courtenay Holscher, Jennifer Lai, Jacqueline Garonzik-Wang, Mara McAdams-DeMarco, Dorry Segev. Baltimore.
- C240 Impact of Early Corticosteroid Treatment in Patients with Indeterminate Acute Severe Hepatitis**
Elisabeth Mohr, Robert Sucher, Tobias Müller, Thorsten Kaiser, Thomas Berg. Leipzig, Germany; Berliin, Germany.
- C241 Liver Transplantation as a Life Saving Procedure after Post Resection Liver Failure and Iatrogenic Liver Injuries**
Trygve Thorsen, Jon Solheim, Rune Horneland, Pål-Dag Line, Knut J. Labori, Einar M. Aandahl. Oslo, Norway.
- C242 ABO-incompatible Deceased Donor Liver Transplantation**
Xun Luo, Christine Haugen, Alvin Thomas, Jacqueline Garonzik-Wang, Dorry Segev. Baltimore, MD.
- C243 Portal Vein Flow as an Indicator of Liver Transplantation for Acute Liver Failure**
Chih-Hsien Cheng, Ching-Song Lee, Yu-Chao Wang, Tsung-Han Wu, Chen-Fang Lee, Ting-Jung Wu, Hong-Shiue Chou, Kun-Ming Chan, Wei-Chen Lee. Taoyuan, Taiwan.
- C244 Outcomes of Liver Transplant in Sequential Eras in Patients with Polycystic Liver Disease at Various Stages of Disease**
Chirag S. Desai, Jennifer Shurney, Pablo Serrano Rodriguez, Alfred Sidney Barritt, David A. Gerber, Angelika C. Gruessner. Chapel Hill, NC; Brooklyn, NY.

- C245 Liver Transplantation for Severe Alcoholic Hepatitis: Is Early Always Necessary?**
Tiffany Wu, Nicholas N. Nissen, Carlie Galloway, Andrew S. Klein, Tram T. Tran, Walid S. Ayoub, Mazen Nouredin, Irene Kim, Tsuyoshi Todo, Vinay Sundaram. Los Angeles, CA.
- C246 The Outcomes of Candidates Underwent Liver Transplantation with Portopulmonary Hypertension: A Meta-Analysis**
Ronghai Deng, Bingsong Huang, Yi Shi, Yi Ma. Guangzhou, Guangdong, China.
- C247 Impact of Providing Care Locally Compared to at a Transplant Center for Pre-And Posttransplant Liver Patients**
Rauf Shahbazov, Kristen L. Knapp, Shawn Tsutsui, Arash Nickkholgh, Patrick G. Northup, Jose Oberholzer, Daniel Maluf, Mitchell Shiffman, Shawn J. Pelletier. Charlottesville, VA; Richmond, VA.

Lung: All Topics

- C248 † Complement Fixing Donor-Specific Antibodies Are Associated with Increased Risk of Chronic Lung Allograft Dysfunction after Lung Transplantation**
C. Ensor, C. Iasella, M. Mangiola, M. Marrari, M. Morrell, N. Shigemura, J. DCunha, J. McDyer, A. Zeevi. Pittsburgh, PA; Philadelphia, PA.
- C249 † Reliability of Bronchiolitis Obliterans Syndrome Reporting to the OPTN**
Robert J. Carrico, Rebecca R. Lehman, Kimberly Uccellini, Kevin M. Chan, Timothy Whelan. Richmond; Ann Arbor; Charleston.
- C250 † Circulating Exosomes with Lung Self-Antigens, α 1Tubulin and Collagen V, and Immunoregulatory Molecules Are Present in Bronchiolitis Obliterans Syndrome Following Pediatric Lung Transplantation**
Monal Sharma, L. Danziger-Isakov, P. Heeger, S. Sweet, T. Mohanakumar. Phoenix; Cincinnati; New York; St. Louis.

- C251 Clinical Utility of CMV-Specific CD8+ T-Cell Immune Competence Score in Lung and Heart-Lung Transplant Recipients at Risk of Cytomegalovirus Infection**
Atibordee Meesing, Roshini Abraham, Raymund Razonable. Rochester, MN.
- C252 The Aggressive Phenotype: Center-Level Characteristics in the Use of Suboptimal Lungs**
Martin Kosztowski, Errol Bush, Xun Luo, Alvin Thomas, Mary Grace Bowering, Dorry Segev, Jacqueline Garonzik Wang. Baltimore, MD.
- C253 Pattern of Respiratory Virus Infection (RVI) and Chronic Lung Allograft Dysfunction (CLAD) in Lung Transplant Recipients (LTR)**
L. Somerville, S. Drews, K. Halloran, N. Lee, D. Kabbani, A. Hirji, K. Doucette, C. Cervera. Edmonton, AB, Canada.
- C254 Ultrastructural Changes in Lung Allografts: Endothelial Changes Correlate with Donor Specific Antibody & Antibody Mediated Rejection**
Mariam P. Alexander, Andrew Bentall, Patrice C. Abell Aleff, John P. Scott, Anja C. Roden. Rochester, MN.
- C255 Evaluation of Immunosuppression and Infection after Desensitization in Lung Transplantation**
Sara Hammad, Bharath Ravichandran, June Kim, Debra KuKuruga, Sarah Cipriano, Zachary Kon. Baltimore.
- C256 High Body Mass Index in Organ Donor is Significantly Correlated to Low PaO₂/FiO₂ Ratio in SRTR Database**
Toshihiro Okamoto, Lucy Thuita, Hiromichi Niikawa, Kamal S. Ayyat, Yoshifumi Itoda, Maryam Valpour, Eugene Blackstone, Kenneth R. McCurry. Cleveland.
- C257 Surveillance for *Mycoplasma/Ureaplasma* Infection in Lung Transplant Recipients (LTRs)**
L. Somerville, W. Sligl, N. Zelyas, D. Lien, J. Preiksaitis. Edmonton, AB, Canada.

- C258 Primary Oral Vancomycin Prophylaxis Reduces the Incidence of *Clostridium difficile* Infection among Lung Transplant Recipients**
Valida Bajrovic, Kyle Brizendine. Cleveland, OH.
- C259 Gastroparesis after Lung Transplantation: A Single-Center Experience**
Sreeja Biswas Roy, Mitchell Davis, Francisco Rodriguez, Rosemarie Serrone, Paul Kang, Taylor R. Ipsen, Michael A. Smith, Ross M. Bremner, Jasmine Huang, Jasmine Huang. Phoenix, AZ; Glendale, AZ.
- C260 Disparate Risk Factors for Early and Late Death Impact Survival after Lung Transplant**
Carli J. Lehr, Eugene H. Blackstone, Kenneth R. McCurry, Lucy Thuita, Wayne M. Tsuang, Maryam Valapour. Cleveland, OH.
- C261 Prevalence and Persistence of Cardiovascular Risk Factors and Subclinical Vascular Damage in Patients after Pediatric Lung Transplantation**
Mareike Onnen, Nima Memaran, Bianca Borchert, Ricarda Blöte, Rizky Sugianto, Carsten Müller, Anette Melk. Hannover, Germany.
- C262 *Mycoplasma hominis* Infection in Lung Transplant Recipients: A Retrospective Case Series**
Julie K. Wright, Nancy Law, Michelle Murray, Susan Poutanen, Shahid Husain, Shaf Keshavjee, Lianne Singer, Atul Humar, Deepali Kumar. Toronto, ON, Canada; San Diego.
- C263 Itraconazole Prophylaxis, Trough Concentration, and Identification of Fungal Pathogens in Lung Transplant**
Habiba Hassouna, Vasilios Athans, Kyle D. Brizendine. Cleveland, OH.
- C264 Implementation of the Lung Allocation Score is Associated with Decreased Mortality in Combined Liver-Lung Allograft Recipients**
Kyle Freischlag, Paul M. Shroder, Brian Ezekian, Michael S. Mulvihill, Stuart Knechtle. Durham, NC.
- C265 Evaluation of Survival and Maintenance Immunosuppression in Elderly Lung Transplant Recipients**
P. Nguyen, R. Girgis, E. Murphy, R. Hadley, M. Leacche, A. Kumar, G. Sathiyamoorthy, J. McDermott. Grand Rapids, MI.
- C266 Efficacy of Bronchoscopically-Administered Surfactant in the Setting of Primary Graft Dysfunction after Lung Transplantation**
Sana K. Ahmed, Matthew W. Soto-Arenall, Daniel A. Jackson, David B. Erasmus. Jacksonville, FL.
- C267 Successful Desensitization with Carfilzomib-Based Regimen to Facilitate Lung Transplantation: Initial Experience**
C. Ensor, A. Zeevi, M. Mangiola, C. Iasella, M. Marrari, M. Morrell, E. Lendermon, S. Kilaru, N. Shigemura, J. DCunha, J. McDyer. Pittsburgh, PA; Philadelphia, PA.
- C268 Using a Data Analytics Platform to Improve Patient Care in Pediatric Lung Transplantation**
Brandi B. Scully, Kathleen Hosek, Debasis Dash, Kathleen E. Carberry, Ernestina Melicoff, Maria C. Gazzaneo, George B. Mallory, Jeffrey S. Heinle. Houston, TX.
- C269 Incidence of Atrial Arrhythmia after Lung Transplantation with a Universal Prophylaxis Strategy**
Meagan Sullivan, Julie Lin, Remzi Bag, Lisa Potter. Chicago, IL.
- C270 Risk Factors for Postoperative Bleeding after Lung Transplantation**
Dieter Adelman, Stefan Koch, Johannes Menger, Peter Jaksch, Martin Kurz, Mohammed Mouhieddine, Walter Klepetko, Barbara Steinlechner. Vienna, Austria; San Francisco, CA.
- C271 Characteristics and Outcomes among Patients with Failed Extubation after Lung Transplantation**
Lauren Smith, Rohan Kanade, Luke D. Mahan, Srinivas Bollineni, Jessica Mullins, Vaidehi Kaza, Manish Mohanka, Michael Wait, Fernando Torres, Amit Banga. Dallas, TX.

Lymphocyte Biology: Signaling, Co-Stimulation, Regulation

- C272** **Modification of Macrophage Phenotype by the Magnetic Field**
Malgorzata Kloc, Wei Chen, Jacek Z. Kubiak, Xian C. Li, Rafik M. Ghobrial, Jarek Wosik. Houston, TX; Warsaw, Poland; Rennes, France; Houston.
- C273** **Simultaneous Persistence and Development of Donor and Recipient Tissue Resident Memory T Cells in Lung Transplantation**
Mark E. Snyder, Thomas Connors, Charles Marboe, Luke Benvenuto, Lori Shah, Hilary Robbins, Jaime Hook, Frank D'Ovidio, Mathew Bacchetta, Joshua R. Sonnett, Selim Arcasoy, Donna L. Farber. New York, NY.
- C274** **Regulation of NK Cell Cytotoxicity by TEC Expression of C1r Proteins in Kidney Ischemia Reperfusion Injury (IRI)**
Benjamin Fuhrmann, Dameng Lian, Ziqin Yin, Shengwu Ma, Jacqueline Arp, Zhuxu Zhang, Anthony Jevnikar. London, Canada.
- C275** **Identifying Specificity Groups in the CMV IE-1 T Cell Receptor Repertoire**
Marc Lucia, Florian Rubelt, Sergi Luque, Sheri M. Krams, Carlos O. Esquivel, Oriol Bestard, Olivia M. Martinez. Palo Alto; Barcelona, Catalonia, Spain.
- C276 †** **Aquaporin 4 Blockade Alters T Cell Trafficking through a Novel Mechanism of S1PR1 Regulation**
Michael Nicosia, Ran Fan, Satoshi Miyairi, Ashley Beavers, George W. Farr, Paul McGuirk, Marc F. Pelletier, Anna Valujskikh. Cleveland, OH.
- C277 †** **Lymph Node Stromal Laminins Modulate the Dynamic Balance of the Treg/Th17 Axis**
Lushen Li, T. Simon, W. Piao, Y. Xiong, V. Saxena, T. Zhang, C. Wagner, Jonathan Bromberg. Baltimore, MD.
- C278 †** **Age-Specific Effects of Tacrolimus Are Associated to Specific Changes of T Cell Metabolism**
Yeqi Nian, Timm Heinbokel, Koichiro Minami, Reza Abdi, Abdallah Elkhail, Stefan G. Tullius. Boston.
- C279 †** **TLR-Activated Bregs Promote Islet Allograft Tolerance in an IL-10-Independent and TGF- β -Dependent Manner**
Lisa Kojima, Kang Mi Lee, Kevin Deng, Haley Tector, Chen Dai, Shoko Kimura, Charles Rickert, Heidi Yeh, James Markmann. Boston, MA.
- C280 †** **Treg Regulate Distinct Lymphatic NF κ B Signaling Pathways to Alter Migration and Immunity**
W. Piao, Y. Xiong, L. Li, V. Saxena, Jonathan Bromberg. MD.
- C281 †** **TLR2 with TCR Signaling Mobilizes Treg Lymphatic Migration**
W. Piao, Y. Xiong, L. Li, V. Saxena, Jonathan Bromberg. MD.
- C282** **Activation Requirements of Costimulation Blockade-Resistant CD4 T Cells**
J. R. Espinosa, B. Adams, J. Kearns, F. Shaw, R. Osborne, T. Woody, M. Ellis, J. Cheeseman, A. D. Kirk. Durham.
- C283 †** **Preventing of Rejection of Vascularized Composite Allografts by Targeting T Cell Metabolism**
Byoung Chol Oh, Chih Hsien Cheng, Georg J. Furtmüller, Kelli Donovan, W. P. Andrew Lee, Jonathan D. Powell, Gerald Brandacher. Baltimore.
- C284** **Shikonin Inhibits Th17 Development through Repressing STAT3 Activation**
Huihui Fang, Ruochan Zhang, Fan Liang, Qirui Chen, Jordi Ochando, Yaozhong Ding, Jiangnan Xu. Beijing, China; New York, NY.
- C285** **Autophagy Impacts Specificity and Characteristics of Innate Alloimmune Responses in Aging**
Timm Heinbokel, Koichiro Minami, Yeqi Nian, Abdallah Elkhail, Stefan G. Tullius. Boston, MA.
- C286** **Memory T Cell Dysfunction after Pregnancy Alloimmunization Prolongs Transplant Survival**
Paige M. Porrett, Jordana Cohen, Rong Xu, Emma Lewis, Michal Elovitz, E. John Wherry, Deirdre Sawinski. Philadelphia, PA.

C287 † T-bet and STAT6 Double Deficiency Favors IL-17 Immunity after Lung Transplantation
Fan Liang, Rongjuan Chen, Qirui Chen, Jordi Ochando, Yaozhong Ding, Jiangnan Xu. Beijing, China; New York, NY.

C288 Identification of T Cells as Target of Intervention to Decrease Anti-LG3 Autoantibody Levels Prior to Transplantation
Mélanie Dieudé, Lauriane Padet, Annie Karakeussian-Rimbaud, Bing Yang, Julie Turgeon, Héloïse Cardinal, Marie-Josée Hébert. Montreal, QC, Canada.

C289 Contribution of mTOR Signaling to the β -Catenin Pathway in Regulatory T Cells
Francesc Marti, Lilia Turcios, Amr Mohamed, Mihail Mitov, David Butterfield, Roberto Gedaly. Lexington, KY.

C290 Inhibition of IL-1R1 Signaling Delays Costimulation Blockade-Resistant Allograft Rejection by Preventing CD8 TEM Expansion
Yancun Liu, Ying Dong, David Mathews, Abheek Ghosh, Andrew B. Adams. Atlanta, GA.

Psychosocial and Treatment Adherence

C291 Evaluation of Clinical and Safety Outcomes Following Uncontrolled Tacrolimus Conversion in Adult Transplant Recipients
A. Lichvar, S. Tremblay, D. Naik, E. King, A. Vinks, U. Christians, J. Lipscomb, R. Alloway. Chicago, IL; Cincinnati, OH; Denver, CO.

C292 Exploring Immunosuppressant Medication Adherence in Kidney Transplant Recipients
Dawn Goodall, Michelle Willicombe, Adam McLean, David Taube. London, United Kingdom.

C293 Development of a Classification of Immunosuppressant Medication Nonadherence Tool to Enable the Objective Measurement of Immunosuppressant Medication Nonadherence in Kidney Transplant Patients
Dawn Goodall, Michelle Willicombe, Adam McLean, David Taube. London.

C294 Analyzing Transplant Medication Myths
Rachel C. Krislock, Jared C. Brandenberger, Phoebe J. Stracener, Andrew S. Weiss, Karlie E. Wipperling, Christian S. Kuhr. Seattle, WA.

C295 Trends of Racial and Education Disparity in Post-Kidney-Transplant Graft Survival and Patient Survival: Do Different Metrics Lead to Different Conclusions?
Michael D. Garber, Katie Ross, Reem Hamoda, Laura Plantinga, Rachel Patzer. Atlanta.

C296 Factors Impacting Return to Employment after Liver Transplantation
Mona Hassan, Marwan Abouljoud, Naddin Sadik, Alyssa Mazur, Ahmed Elbanna, Atsushi Yoshida, Michelle Jesse. Detroit.

C297 Transplant Psychiatry- A Growing Subspecialty. Introducing the Transplant Psychiatry Special Interest Group from the Academy of Psychosomatic Medicine
Paula Zimbrea, Andrea DiMartini, Catherine Crone. New Haven, CT; Pittsburgh, PA; Falls Church, VA.

C298 An Enhanced Educational Program for Kidney Transplant Candidates and Their Supports: Knowledge Gained but Room for Improvement
Erin Clifton, Anne Eshelman, Dean Kim, Anita Patel, Patrick Williams, Dayna Nicholson, Kathy Hogan, Elizabeth Rubinstein, Daisy Ramirez, Naddin Sadik, Michelle Jesse. Detroit.

C299 Clinical Trials and Electronic Health Records
Jieming Chen, Sanchita Bhattacharya, Marina Sirota, Minnie Sarwal, Atul Butte. San Francisco.

C300 Preparation for Transfer to Adult Kidney Transplant Care: Impacts of Providing Written Guidance
Haley F. Stephens, Michelle Clementi, Amira Al-Uzri, Mary Wright, Sandra Irargorri, David Rozansky, Randall Jenkins, Jordan Wade, Kelsey Richardson, Kurt A. Freeman. Portland, OR.

C301 **Participation in Paid Work across the Transplant Trajectory from the Perspective of End-Stage-Kidney-Disease Patients**
Keira Gaudet, Marie Achille. Montreal, QC, Canada.

C302 **Clinical Outcomes, Care Needs and Adherence in Long Term Intestine Transplant Survivors ≥ 10 yrs**
Beverly Kosmach-Park, George Mazariegos. Pittsburgh, PA.

C303 **How the Spouses (Husbands) of Living Kidney Donors View Kidney Donation: A Grounded Theory Study**
Joy A. Kieffer. Mount Olive, NC.

Small Bowel: All Topics

C304 † **Immunomonitoring of Operational Tolerance in Intestinal Transplantation**
Oswaldo Aguirre, Brenna Houlihan, Thomas Fishbein, Alexander Kroemer. Washington, DC.

C305 **Evaluation of the Use of Oral Valganciclovir for the Treatment of Cytomegalovirus Infections in Pediatric Intestinal Transplant Recipients: A Single Center Review**
Molly Henry, Mary Vacha, Megan Keck, Diana Florescu. Omaha, NE.

C306 **Multi-Visceral Transplant in an HIV Positive Recipient - One Year Survival**
Santosh Nagaraju, Richard Mangus, Jonathan Fridell. Indianapolis, IN.

C307 **Monitoring of Small Bowel Allografts with Kynurenine Serum Levels**
Manfred J. Stangl, Dionysos Koliogiannis, Julian Bucher, Markus Guba, Dietmar K. Abendroth. Munich, Germany; Ulm, Germany.

Transplant Infectious Diseases

C308 † **HOPE Act Deceased Organ Donors: True and False Positive Donors**
C. Durand, S. Seaman, M. Bowring, B. Doby, D. Ostrander, A. Redd, M. Waldram, S. Huprikar, B. Haydel, S. Lerner, S. Florman, N. Turgeon, R. Friedman-Moraco, A. Massie, D. Segev. Baltimore; New York; Atlanta.

C309 **National Landscape of HIV+ Liver Transplant Candidates**
Ashton A. Shaffer, Alvin G. Thomas, Allan Massie, Sally Gustafson, Jon Snyder, Brittany Shelton, Rhiannon Reed, Jayme E. Locke, Dorry Segev, Christine Durand. Baltimore; Minneapolis; Birmingham.

C310 **HIV-Positive Donors to HIV-Positive Transplant Recipients: The Italian Experience**
Paolo A. Grossi, Daniela Dalla Gasperina, Alessia Petrolo, Domenico Lombardi, Maria Luisa Balsamo, Maria Cristina Moioli, Giovanna Travi, Marco Merli, Fabio Ferla, Matteo Tozzi, Luciano De Carlis, Giulio Carcano, Massimo Puoti, Alessandro Nanni Costa. Varese, Italy; Milano, Italy; Roma, Italy.

C311 **You've Gotta Have HOPE: Seeking HIV Donors in a Large US OPO**
Amy Friedman, Shirish Huprikar, Kristin Delli Carpini. NY.

C312 **Mitigating Risk: Post-Exposure Prophylaxis in Liver Transplant Recipients from Donors with Potential Infectious Exposure**
Annelise Nolan, Deirdre Yarosh, Suhail Shaikh. Washington, DC.

C313 **Donor-Derived Hepatitis B Virus (HBV) Infection: Analysis of the OPTN/ UNOS Ad Hoc Disease Transmission Advisory Committee (DTAC)**
Nicole M. Theodoropoulos, Susan Tlusty, Gabriel Vece, 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, R. Patrick Wood, Marian Michaels, Cameron Wolfe. Richmond, VA.

C314 **Transmission of Rabies through Solid Organ Transplant: A Big Issue in China**
Jian Zhang, Jun Lin, Ye Tian, Linlin Ma, Wen Sun, Lei Zhang, Yichen Zhu, Wei Qiu, Lujia Zhang. Beijing, China.

C315 † **CMV-Specific CD8+ T-Cell Immune Competence Score as Predictor of Outcome for CMV Infection after Transplantation**
Atibordee Meesing, Roshini Abraham, Raymund Razonable. Rochester, MN.

- C316 Cytomegalovirus Infection in Pediatric Solid Organ Transplant Recipients and Role of Prophylaxis**
Gwen K. Nance, Anastacia Serluco, Shri Deshpande, Rouba Garro, Roshan George, Michael S. Kelleman, Rochelle Liverman. Atlanta, GA.
- C317 Evaluation of a Change in CMV Prevention Strategy Following Pediatric SOT**
Scott Pangonis, Alexander Miethke, Francisco Flores, Marc Schecter, Samuel Kocoshis, Danielle Lazear, Trina Hemmelgam, BreAnn Taylor, Grant Paulsen, Lara Danziger-Isakov. Cincinnati, OH.
- C318 Impact of High Dose Acyclovir Cytomegalovirus Prophylaxis Failure in Abdominal Solid Organ Transplant Recipients**
Jillian Fose, Margaret Jorgenson, Magdalena Siodlak, Glen Levenson, Jeannina Smith, Robert Redfield. Madison.
- C319 Efficacy of Two Valganciclovir Dosing Strategies in Intermediate and High-Risk Liver Transplant Recipients**
Kristen D. Belfield, Maricar Malinis, Elizabeth Cohen. New Haven, CT.
- C320 The Clinical Efficacy of Seasonal Influenza Vaccination - Characteristics of Two Outbreaks of Influenza A(H1N1) in Immunocompromised Patients**
Ilkka Helanterä, Rita Janes, Veli-Jukka Anttila. Helsinki, Finland.
- C321 Impact of Influenza Vaccine Implementation by Transplant Pharmacy in Solid Organ Transplant Recipients**
Sara Gattis, Inci Yildirim, Staci Serluco, Courtney McCracken, Rochelle Liverman. Atlanta, GA.
- C322 Host Factors and Clinical Spectrum of Adenovirus Infection in Pediatric Solid Organ Transplantation: A Closer Look at the Infant, the Toddler and the Child**
Coralee Del Valle Mojica, Sharon F. Chen, Hayley Gans. Stanford, CA.
- C323 Evaluation of Hepatitis B Vaccination in Transplant Candidates**
Mohammed Bosaeed, Y. AlJishi, S. Husain, C. Rotstein, A. Humar, Deepali Kumar. Toronto, Canada.
- C324 Nontuberculous Mycobacteria in Lung Transplant Recipients: Prevalence, Risk Factors and Impact on Survival and Graft Function**
Daniel Friedman, Carlos Cervera, Kieran Halloran, Gregory Tyrrell, Karen Doucette. Edmonton, Canada.
- C325 Characterization of *Mycobacterium Tuberculosis* Memory T Cell Subsets in Solid Organ Transplant Recipients with Previously Treated Active Tuberculosis**
Srinivas Nellimarla, Yoichiro Natori, Victor Ferreira, Shahid Husain, Atul Humar, Deepali Kumar. Toronto, Canada.
- C326 Safety and Tolerability of Therapy for Latent Tuberculosis Infection: A 16-Year Review**
Yamama AlJishi, Mohammed Bosaeed, Shahid Husain, Coleman Rotstein, Atul Humar, Deepali Kumar. Toronto, ON, Canada.
- C327 Donor Bacteremia Does Not Impact Survival Following Heart Transplantation: A UNOS Registry Review**
Sameer Hirji, Ann Woolley, Marc Pelletier, Prem Shekar, Farhang Yazdchi, Hari Mallidi, Steve Singh. Boston, MA.
- C328 Impact of Positive Donor Blood Cultures in Liver Transplant Recipients**
Danielle Bley, Denise Lo, George M. Lyon III, Ram Subramanian, Sarah Todd. Atlanta, GA.
- C329 Identifying Differences in Antimicrobial Resistance with a Liver Transplant Antibiogram**
Jessica Rago, Matthew Crotty, Erika Milas, Edward Dominguez. Dallas.
- C330 Colistin (COL) in Solid Organ Transplant Recipients (SOTR): Friend or Foe?**
Karyna Neyra, Carlos Huauya Leuyacc, Christopher Kovacs, Vasilios Athans, Eric Cober. Cleveland, OH.

- C331 † Daptomycin Minimum Inhibitory Concentration (MIC) of Vancomycin Resistant Enterococcal (VRE) Blood Isolates Correlates with Allograft Failure in Orthotopic Liver Transplant (OLT) Recipients**
Rachael Lee, Ghady Haidar, Jessica Lewis, Sana Arif, Jonathan Hand, Eric Holaday, Heather Clauss, Jason Goldman, Anoma Nellore. Birmingham, AL; Charlottesville, VA; Durham, NC; New Orleans, LA; Philadelphia, PA; Seattle, WA.
- C332 † Risk Factors and Outcomes with Carbapenem-Resistant Enterobacteriaceae Bloodstream Infections among Solid Organ Transplant Recipients**
Judith Anesi, Emily Blumberg, Ebbing Lautenbach, Jacqueline Omorogbe, Pam Tolomeo, Pranita Tamma, Kerri Thom, Kevin Alby, Warren Bilker, Alissa Werzen, Koorosh Nemati, Jennifer Han. Philadelphia, PA; Baltimore, MD.
- C333 Evaluation of Risk Factors for Vancomycin Resistant Enterococcus (VRE) Infection in Adult Liver Transplant Recipients**
Erika Aldag, Rachel Pedersen, Vikraman Gunabushanam, Ajay Sahajpal, Lynne Fehrenbacher, David J. Kramer. Milwaukee, WI.
- C334 Bloodstream Infection Caused by Enteric Organisms during the First 6 Months after Intestinal Transplant**
Jacques Simkins, Jose A. Morillas-Rodriguez, Michele I. Morris, Lilian M. Abbo, Jose F. Camargo, Rodrigo Vianna. Miami.
- C335 In Vitro Evaluation of Antibiotic Persistence in *Pseudomonas aeruginosa* and *Staphylococcus aureus* Isolates from Cystic Fibrosis Patients**
Jillian Fose, Daniel Bruckbauer, Margaret Jorgenson, Warren Rose. Madison.
- C336 *Clostridium difficile* Recurrence in Abdominal Organ Transplant Recipients: Metronidazole versus Oral Vancomycin**
Abby F. Moorman, Sarah B. Todd, G. M. Lyon III, Helen L. Triemer. Atlanta, GA.
- C337 Bacterial Complications in Liver Transplant Recipients Undergoing Biliary Tract Manipulation: Effect of an Antibiotic Prophylaxis Protocol**
Coleman Clifford, Nicole M. Theodoropoulos, Jennifer S. Daly, Laura Gibson, Savant Mehta, Hesham Malik, Adel Bozorgzadeh. Worcester, MA.
- C338 *Clostridium Difficile* Infection after Liver Transplant is Associated with Poor Long-Term Survival**
Aaron Ahearn, Paria Mahboub, Nicole Theodoropoulos, Babak Movahedi, Paulo N. Martins, Maureen Campion, Reenu Nathan, Adel Bozorgzadeh. Worcester, MA.
- C339 Solid Organ Transplantation and Data Mining: Risk Factors for Invasive Fungal Disease in Heart Transplant Recipients**
N. Barros, D. Xie, C. Yek, T. Liu, X. Li, B. Adams-Huet, J. J. Martinez, S. Garg, J. L. Grodin, R. Morelend, A. Amin, F. Aras, J. Thibodeau, P. Mammen, M. Peltz, M. H. Drazner, W. S. Ring, R. W. Haley, R. M. La Hoz. Dallas, TX.
- C340 A Retrospective Review of *De Novo* Coccidioidomycosis among Remote Solid Organ Transplant Recipients in Arizona**
Tirdad T. Zangeneh, Jessica August, Norman Beatty, Kara Asbury, Lanyu Mi, Janis E. Blair. Tucson, AZ; Phoenix, AZ.
- C341 Screening Coccidioides Serology in Kidney Transplant Recipients: A 10-Year Cross-Sectional Analysis**
Kornthip Phonphok, Tin Duong, Nakul Datta, Omer Beard, Joanna Shaenman, Suphamai Bunnapradist. Los Angeles, CA.
- C342 Tacrolimus and Isavuconazole Therapy: What about the Drug Interaction?**
Christian Gill, Nicholas Mercuro, Rachel Kenney, Arin Jantz, Bryant Summers, Nimisha Sulejmani, Susan Davis. Detroit; Detroit, MI.

- C343 Therapeutic Drug Monitoring (TDM) of Suspension (SUS), Extended-Release (ER), and Intravenous (IV) Posaconazole (POS) at a Large Transplant Center**
Ghady Haidar, Ryan K. Shields, Cornelius J. Clancy, M. Hong Nguyen. Pittsburgh, PA.
- C344 T2Candida for Diagnosis of Candidemia in Solid Organ Transplant Recipients**
Todd P. McCarty, John W. Baddley, Jayme E. Locke, Roslyn B. Mannon, Devin E. Eckhoff, Victoria Rusanov, Stephen A. Moser, Peter G. Pappas. Birmingham, AL.
- C345 Impact of Fluconazole Prophylaxis on Fungal Infections in Liver Transplant Recipients**
Kerri Roach, Sarah Todd, Marshall Lyon, Ram Subramanian. Burlington, MA; Atlanta, GA.
- C346 Micafungin Prophylaxis in Liver Transplant Recipients at High Risk for Invasive Fungal Infections**
Annelise Nolan, Nicole Harriott, Kyle Startzman. Washington, DC.
- C347 Infection Outcomes in Solid Organ Transplant Recipients Receiving Trimethoprim-Sulfamethoxazole as Opposed to Atovaquone for Prophylaxis**
Alexander C. Drelick, Wenzhu B. Mowrey, Grace Y. Minamoto. New York, NY; Bronx, NY.
- C348 Strongyloides Pre-Transplant Screening in Solid Organ Transplantation (SOT): Single Center Analysis**
M. Al-Obaidi, K. Vigil, R. Hasbun, A. De Golovine, V. Machicao, L. Ostrosky, S. Bynon, M. Nigo. Houston.
- C349 Diagnosis and Prevalence of Strongyloidiasis in Solid Organ Transplant Patients**
Haley Pritchard, Vagish Hemmige, Rojelio Mejia, Alejandro Restrepo. Houston, TX.
- C350 Treatment of Multi-Drug Resistant Gram Negative Infections after Solid Organ Transplant**
Madeleine Heldman, Brett Nelson, Tenzin Babu, Michael G. Ison. Chicago, IL.
- C351 Timing of Infections after Total Artificial Heart Implantation. What Did We Learn?**
Heather E. Chambers, Andre Kalil, Diana Florescu. Omaha, NE.
- C352 † Prevalence and Infection-Related Outcomes Associated with Transplant Tourism**
Jackie Slomovic, Sapna S. Humar, Deepali Kumar, Atul Humar. Toronto, ON, Canada.
- C353 Isavuconazole - The Real-World Use Experience**
Habiba Hassouna, Vasilios Athans, Kyle D. Brizendine. Cleveland, OH.
- C354 A National Survey of Valganciclovir Dosing Strategies in Pediatric Solid Organ Transplant Recipients**
Suhail Shaikh, Natalia Panek, Jeong Park. Washington DC; Chicago; Ann Arbor.
- C355 Evaluation of Risk Factors for Progression of Low Level CMV Viremia in Solid Organ Transplant Recipients**
Yoichiro Natori, Atul Humar, Ali Alghamdi, Deepali Kumar. Toronto, ON, Canada.

Poster Session D

Poster Viewing: 6:00 pm–7:00 pm
Presenters in Attendance: 6:00 pm–7:00 pm
Hall 4EF

A# indicates the board location where the poster will be displayed.

- † Those posters identified as an ATC Poster of Distinction by this symbol have received review scores that place them in the top 10% of their category. The Planning Committee encourages you to make them a priority when you visit the poster session.

B-cell / Antibody

- D1 † Targeting Plasma Cells with Anti-CD38mAb (Daratumumab) and CXCR4 Antagonist (Plerixafor) for Desensitization**
Jean Kwun, Ezekian Brian, Miriam Manook, Jae Berm Park, Kyle Freischlag, Janghoon Yoon, John Yi, Mark Stegall, Stuart Knechtle. Durham, NC; Rochester, MN.
- D2 † Multi-Targeting Desensitization Therapy Alters Peripheral B-Cell Homeostasis and Suppresses Recall Alloantibody Responses**
Irene Kim, Gordon Wu, Ning-ning Chai, Andrew Klein, Stanley Jordan. Los Angeles, CA.
- D3 † TACI Polymorphisms Associated with Allograft Rejection in Mice and in Man**
Mayara G. M. Barbosa, Evan A. Farkash, Jeffrey L. Platt, Marilia 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**
E. S. Woodle, S. Tremblay, C. Castro-Rojas, S. Knechtle, A. R. Shields, R. R. Alloway, H. Singh, J. J. Driscoll, D. Hildeman. Cincinnati; Durham.
- D5 Analysis of Circulating CD38+/CD138+ Plasma Cells during Development of De Novo Donor Specific Antibody Responses**
Ning-ning Chai, Gordon Wu, Irene Kim, Stanley Jordan, Andrew Klein. Los Angeles, CA.
- D6 Circulating T Follicular Helper Cells Expand Following Transplantation and Exhibit a CD44^{hi} 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**
Natalie A. O'Neill, Tianshu Zhang, Wenji Sun, Gheorghe Braileanu, Xiangfei Cheng, Ivan Tatarov, Wessam Hassanein, Zahra Habibabady, Benjamin Cerel, Keith Reimann, Agnes M. Azimzadeh, Richard N. Pierson. Baltimore, MD; Boston, MA.
- D10 Effects of Preformed Antibody on Survival Following Pig-to-Primate Liver Xenotransplantation**
Nathan J. Louras, Madhukar S. Patel, Jigesh A. Shah, Alec R. Andrews, Zhaohui Wang, David H. Sachs, Parsia A. Vagefi. Boston, MA.
- D11 Long Term Culture of Functional Bone Marrow-Derived Human Plasma Cells**
Natalie A. Moore, Keisha P. Bonner, Matthew R. D'Costa, Mark D. Stegall. Rochester, MN.

D12 **CD8-Expressing Transitional B Cells Dominate B Cell Reconstitution in Transplanted Monkeys Receiving Mixed Chimerism Conditioning**
Kurt B. Pruner, Joshua T. Paster, Sommer Wiebke, O. Jane, Hanekamp Isabel, Dehnadi Abbas, Benichou Gilles, Madsen Joren. Boston, MA.

D13 **TACI-Ig as a Desensitization Agent in a Rat Model of Antibody Mediated Rejection**
Nancy A. Wilson, Bret M. Verhoven, Brittney A. Boldt, Natalie Bath, Xiang Ding, Robert R. Redfield III. Madison, WI.

D14 **BLyS^{-/-} Rats to Prevent Alloantibody Production**
Natalie Bath, B. Verhoven, N. Wilson, S. Reese, L. Coons, S. Panzer, A. Djamali, R. Redfield. Madison, WI.

D15 **Graft Immunocomplex Capture Fluorescence Analysis Can Detect Intra-Graft Anti-Blood Group A/B Antibodies**
Tsukasa Nakamura, Hidetaka Ushigome, Yui Imanishi, Shintaro Kawai, Takayuki Shirouzu, Masafumi Osaka, Koji Masuda, Takehisa Matsuyama, Shumpei Harada, Shuji Nobori, Norio Yoshimura. Kyoto, Japan; Hiroshima, Japan.

Donor Management: All Organs Excluding Kidney

D16 † **Geographic Variation in Drug Overdose as Donor Cause of Death**
M. Skeans, D. Zaun, Bertram Kasiske. Minneapolis.

D17 **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 Schaeenman, 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.

D18 **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.

D19 **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.

D20 **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.

D21 **Assessing Necroptosis in Brain Dead Kidney Donors: Implications for Predicting Recipient Outcomes**
Anna A. Zmijewska, John Murphy, Jianguo Chen, Jaroslaw W. Zmijewski, Roslyn B. Mannon. Birmingham, AL.

D22 **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.

Immunosuppression Preclinical Studies

D23 † **Ex Vivo Bloodless Oxygen Carrier for Perfusion of DCD Kidneys during Subnormothermic Storage**
Patrick P. W. Luke, Mahms Richard-Mohamed, Aaron Haig, Richard Mayer, Shahid Aquil, Alp Sener, Anthony Jevnikar, Rabindra N. Bhattacharjee. London, ON, Canada.

- D24** **Comparison of Temperatures for Optimal Preservation of Donor Kidneys during Oxygenated Pulsatile Perfusion**
Rabindra N. Bhattacharjee, Mahms Richard-Mohamed, Aushanth Ruthirakanthan, Richard Mayer, Sean Luke, Hemant Sharma, Mauro Enrique TunAbraham, Bijad Alharbi, Aaron Haig, Patrick P. W. Luke. London, ON, Canada.
- 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, Wenfeng Luo, Youfu Zhang, Tao Zeng, Miao Chen, Heng Li, Zhendi Wang. Nanchang, Jiangxi Province, China; Wuhan, Hubei Province, China.
- D27 †** **Dehydropeptidase-Inhibitor Reduces Tacrolimus-Induced Kidney Injury by Anti-Oxidative and Anti-Apoptotic Effect**
Kang Luo, Sun Woo Lim, Jeon Il, Yoo Jin Shin, Eun Jeong Ko, Byung Ha Chung, Hyeon Seok Hwang, Chul Woo Yang. Seoul, Republic of Korea.
- D28** **Effect of Conversion to CTLA4Ig Treatment on Tacrolimus-Induced Diabetic Rats**
Jeon Il, Long Jin, Kang Luo, Sun Woo Lim, Yoo Jin Shin, Eun Jeong Ko, Byung Ha Chung, Chul Woo Yang. Seoul, Republic of Korea.
- D29** **Klotho Enhances FoxO3-Mediated Manganese Superoxide Dismutase Expression by Negatively Regulating PI3K/AKT Pathway during Tacrolimus-Induced Oxidative Stress**
Sun Woo Lim, Kang Luo, Jeon Il, Yoo Jin Shin, Eun Jeong Ko, Byung Ha Chung, Chul Woo Yang. Seoul, Republic of Korea.
- D30** **Rhesus-Specific Anti-Thymocyte Globulin as an Adjuvant to Costimulatory-Blockade-Based Immunotherapy**
Michael S. Mulvihill, Brian D. Ezekian, Qimeng Gao, Kannan P. Samy, R. Patrick Davis, Frank Leopardi, A. J. Belli, W. Flores, A. P. Buzby, Keith Reimann, Bradley H. Collins, Allan D. Kirk. Durham, NC; Boston, MA.
- 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 Ferrareso. 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**
Mohamed Ezzelarab, Zhang Hong, Alan Zahorchak, Lu Lien, Toshimasa Nakao, Helong Dai, Dirk van der Windt, Angelica Perez-Gutierrez, Jay Bhama, Angus Thomson. Pittsburgh, PA.

D36 **Evaluation of Drug Action on IgM Memory B Cell Survival and Growth In Vitro; -Application for Individualized Immunosuppression after Kidney Transplants-**
Yoshiko Matsuda, Kazuo Takahashi, Ryoichi Imamura, Norio Nonomura, Yukio Yuzawa. Toyoake, Aichi, Japan; Suita, Osaka, Japan.

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

D38 **A Natural Herb Danshen Suppresses Allospecific Memory CD8+ T Cell Generation and Murine Allograft Rejection**
Zhenhua Dai, Huazhen Liu, Yuchao Chen, Chun-Ling Liang, Feifei Qiu. Guangzhou, China.

D39 **Immune Modulatory Effect of Thalidomide and Dexamethasone Co-Treatment on Murine Splenocytes**
Eun Jee Kim, Joon Ye Kim, Kyu Ha Huh, Yuri Cho, Myoung Soo Kim, Yu Seun Kim, Beom Seok Kim. Seoul, Korea.

Ischemia Reperfusion Injury: Time to Change the Fate?

D40 **The Superiority of Plasma Enriched Perfusate for Assessment of Donor Kidneys in an Ex-Vivo Normothermic Perfusion (EVNP) Setting**
Ivonne J. Palma, Ivania Palma, Yulia Smolin, Andrew Perry, Junichiro Sageshima, Richard V. Perez. Sacramento, CA.

D41 **Biliary pH, Bicarbonate and Glucose Are Suitable Biomarkers of Bile Duct Viability during Normothermic Machine Perfusion of Human Donor Livers**
Alix P. M. Matton, Yvonne de Vries, Laura C. Burlage, Rianne van Rijn, Annette S. H. Gouw, Vincent E. de Meijer, Ton Lisman, Robert J. Porte. Groningen, Netherlands.

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 Nappal, 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, Shoichi Kageyama, Maciej Kujawski, Takahiro Ito, Antony Aziz, Damla 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**
Joesph 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**
Vahe Fahradyan, Edoardo Dalla Pozza, Maria Madajka, Kihyun Cho, Nadeera Dawlagala, Eliana Duraes, Hirash Shah, Sayf Al-deen Said, Carlos Ordenana, Frank Papay, Antonia Rampazzo, Bahar Bassiri Gharb. Cleveland, OH.
- 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**
Rebecca A. Sosa, Jessica Nevarez-Mejia, Maura Rossetti, Ali Zarrinpar, Fady Kaldas, Charles R. Lassman, Bitu V. Naini, Nakul Datta, Ronald W. Busuttil, David W. Gjertson, Jerzy W. Kupiec-Weglinski, Elaine F. Reed. Los Angeles, CA.
- D50 The Impact of Pre-Operative Opioid Use on Delayed Graft Function in Adult Kidney Transplant Recipients**
Neha Patel, Bailey O'Brien, David Taber, Nicole Pilch, Prabhakar Baliga, Zana Elmaasarani, Sarah Ball, Patrick Mauldin, Lytani Wilson, Rachel Gilbert, James Fleming. Charleston, SC.
- D51 Assessment of Bile Production and Quality during Normothermic Ex Vivo Liver Perfusion to Predict Biliary Injury**
Dagmar Kollmann, Ivan Linares, Sujani Ganesh, Roizar Rosales, Matyas Hamar, Peter Urbanellis, Aryn Wiebe, Paul Yip, Oyedele Adeyi, Markus Selzner, Nazia Selzner. Toronto, Canada.
- D52 Factors Predicting Viability Achievement on Discarded Donor Livers Submitted to Extra-Corporeal Machine Perfusion**
Yuri Boteon, Richard Laing, Andrea Schlegel, Joseph Attard, Lorraine Wallace, Amanda Smith, Tamara Perera, John Isaac, Darius Mirza, Simon Afford, Hynek Mergental. Birmingham, United Kingdom.
- D53 Preoperative Antibiotics Treatment Decreases Endoplasmic Reticulum Stress and Protects Liver Transplant from Ischemia-Reperfusion Injury**
Takahiro Ito, Fady M. Kaldas, Kojiro Nakamura, Shoichi Kageyama, Antony Aziz, Ronald W. Busuttil, Jerzy W. Kupiec-Weglinski. Los Angeles, CA.
- D54 A Cost Analysis on Normothermic Machine Perfusion at a Single Center**
Daniele Pezzati, Qiang Liu, Hamed Hassan, Giuseppe Iuppa, Laia Coromina Hernandez, Giuseppe D'Amico, Teresa Diago Uso, Bijan Heghtsad, 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.

- D59 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.
- D60 Viability Outcomes for Donor Livers Discarded Due to Steatosis Following Extra-Corporeal Machine Perfusion of the Liver**
Yuri Boteon, Richard Laing, Desley Neil, Andrea Schlegel, Joseph Attard, Gary Reynold, Paolo Muiesan, Darius Mirza, Simon Afford, Hynek Mergental. Birmingham, United Kingdom.
- D61 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 Boilard, Matyas Hamar, Peter Urbanellis, Paul Yip, Oyedele Adeyi, Markus Selzner, Nazia Selzner. Toronto, Canada; Québec, Canada.
- D62 The Prognostic Implications of Renal Function Recovery and Delayed Graft Function in Kidney Transplantation**
Shaifali Sandal, Marcelo Cantarovich, Agnihotram Ramankumar, Nasim Saberi, Chee Saw, Dana Baran, Prosanto Chaudhury, Steven Paraskevas, Jean Tchervenkov. Montreal, Canada.
- D63 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**
- D64 † 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.
- D65 † A Phase I/II, Double-Blind, Placebo-Controlled Study Assessing Safety and Efficacy of C1 Esterase Inhibitor for Prevention of Delayed Graft Function in Deceased Donor Kidney Transplant Recipients**
Stanley C. Jordan, Jua Choi, Olivier Aubert, Mark Haas, Alexandre Loupy, Edmund Huang, Alice Peng, Irene Kim, Supreet Sethi, Sabrina Louie, Dechu Puliyaanda, Ashley Vo. Los Angeles, CA; Paris, France.
- D66 † Does Pre-Operative Angiographic Kidney Embolization Decrease Complications in Allograft Nephrectomy?**
David I. Harriman, Vaidehi Mujumdar, Alan Farney, Jeffrey Rogers, Giuseppe Orlando, Amber Reeves-Daniel, Robert J. Stratta. Winston-Salem, NC.
- D67 † Urine Podocin mRNA to Nephryn mRNA Ratio as a Marker of “Podocyte Stress” among Kidney Allografts Losing Function**
Abhijit S. Naik, Jawad Aqeel, Diane Cibrik, Milagros Samaniego, Su Wang, Mahboob Chowdhury, Farsad Afshinnia, Roger C. Wiggins. Ann Arbor; Kansas City.
- D68 † Comparison of Outcomes in African-American and White Primary Kidney Transplant Recipients: A Matched-Pair Analysis**
Fasika Tedla, Amarpali Brar, Devon John, Nabil Sumrani, Rainer Gruessner, Angelika Gruessner, Moro Salifu. Brooklyn, NY.
- D69 † Donor Specific Antibodies Increase the Risk of Preeclampsia in Pregnant Kidney Transplant Recipients**
M. Lubetzky, T. Muthukumar, J. Lee, J. Lee, C. Hartono, L. Mahla, D. Serur, D. Dadhania. NY, NY.
- D70 † High Calcineurin Inhibitor Intra Patient Variability is Associated with Early Renal Allograft Inflammation, Chronicity and Loss**
Akhil Sharma, Aravind Cherukuri, Rajil Mehta, Puneet Sood, Sundaram Hariharan. Pittsburgh, PA.

- 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**
David Taber, Z. Su, J. Fleming, N. Pilch, A. Posadas, V. Rao, P. Mauldin, D. Dubai. Charleston, SC.
- D74 Improvement in Intermediate Graft Survival among Deceased Donor Recipients in the Last Decade Due to Improvements in Outcomes of Higher KDPI Kidney Recipients**
Douglas S. Keith. Pensacola, FL, Turkey.
- D75 How Safe is Immunosuppression Maintenance 1 Year after Renal Allograft Failure?**
Alejandra M. Mena-Gutierrez, Kawther Alquadan, Alfonso H. Santos, Karl L. Womer, Michael J. Casey. Gainesville.
- 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?**
Sandesh Parajuli, F. Aziz, N. Garg, B. Muth, M. Mohamed, W. Zhong, B. Astor, D. Mandelbrot, A. Djamali. Madison.
- D79 Urine Pellet Podocyte mRNAs Correlate Closely with Late Kidney Allograft Loss-of-Function**
Abhijit S. Naik, Jawad Aqeel, Diane Cibrik, Milagros Samaniego, Mahboob Chowdhury, Su Wang, Farsad Afshinnia, Roger C. Wiggins. Ann Arbor; Kansas City.
- 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**
A. Israni, A. Muthusamy, B. Wu, B. Guo, D. Knights, G. Al-Ghalith, J. Wu, W. Oetting, D. Schladt, R. P. Remmel, P. Jacobson, For DeKAF Genomics & GEN03 Investigators. Minneapolis; Mpls.
- 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**
B. Ho, S. Montag, H. Bhagat, K. Atiemo, A. Daud, R. Kang, L. Zhao, J. Schwartz, D. Ladner. Chicago; Northbrook.

- D85 Metabolic Acidosis after Kidney Transplantation: Prevalence, Risk Factors and Graft Outcome in a French Cohort**
Florian Garo, Ilan Szwarc, 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**
Jiqiu Wen, Wei Wang, Xuefeng Ni, Yuanmeng Yu, Jinsong Chen, Longjiang Zhang, Zhihong Liu. Nanjing, Jiangsu, China.
- D87 Association between Genetic Polymorphisms of Fc Gamma Receptor Genes (FcγR) 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 Ferraresso, 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 El ters, Byron Smith, Fernando Cosio, Walter Kremers. Rochester, MN.
- D97 A Novel, Dose-Adjusted Tacrolimus Inpatient 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**
Sandesh Parajuli, Didier Mandelbrot, Fahad Aziz, Neetika Garg, Maha Mohamed, Brenda Muth, Brad C. Astor, Arjang Djamali. Madison.
- 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**
Marcos V. Sousa, Carla F. Do Valle, Gabriel G. Rivelli, Leonardo F. Camargo, Ricardo L. Zollner, Marilda Mazzali. Campinas, Sao Paulo, Brazil.
- D104 Histogenomics: Molecular Profiling of Kidney Biopsies Predict Delayed Graft Function**
Prakash Rao, Dayanand Deo, Billie Fyfe-Kirschner, Richard Siderits. New Providence, NJ; New Brunswick, NJ.
- 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**
Gábor Kovács, Giovanna Devercelli, Zoltán Vokó, Tamás Zelei, Ishan Hirji, Paul Keown. Budapest, Hungary; Lexington, MA; Vancouver, BC, Canada.
- 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**
Eun Jeong Lee, JoonSuk Jeon, Suhyun Kim, Minjung Kim, Kyungho Lee, Hye Ryoung Jang, Jung Eun Lee, Jung-Won Hwang, Dae Joong Kim, Yoon-Goo Kim, Ha Young Oh, Wooseong Huh, Jong Man Kim. Seoul, Republic of Korea; Sungnam, Republic of Korea.
- 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**
Mara McAdams DeMarco, Alexandra Mountford, Fatima Warsame, Rachel Berkowitz, Hao Ying, Christine Haugen, Daniel Brennan, Dorry Segev. Baltimore.
- 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-Jóse 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 Kessar, 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 Kaczorski, Robert J. Stratta. Winston-Salem, NC.
- D116 Outcomes after Kidney Transplant (KTx) from Deceased Donors (DD) Aged ≥ 70**
Ananth Srinivasan, Raymond L. Heilman, Hasan A. Khamash, Kunam S. Reddy, Adyr A. Moss. Phoenix.
- D117 Successful Utilization of Deceased Donor Kidney Allografts with KDPI >85 : The Organ is Not Wholly to Blame**
Avinash Agarwal, Angie Nishio Lucar, Arash Nickkholgh, 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**
Anjushree Kumar, Kunam S. Reddy, Ananth Srinivasan, Janna L. Huskey, Hasan A. Khamash, Maxwell L. Smith, Adyr A. Moss, Raymond L. Heilman. Phoenix.
- D120 Kidney Transplantation (KTx) Using Kidneys from Deceased Donors (DD) with Severe Acute Kidney Injury (AKI) Requiring Renal Replacement Therapy (RRT)**
Ananth Srinivasan, Raymond L. Heilman, Anjushree Kumar, Hasan A. Khamash, Maxwell L. Smith, Kunam S. Reddy, Adyr A. Moss. Phoenix.
- D121 Successful Utilization of Deceased Donor Kidney Allografts with KDPI >85 in Older Recipients**
Arash Nickkholgh, 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**
Caleb Barnhill, Paul Warner, Andrew Weiss, Christian Kuhr, Nick Cowan, Jared Brandenberger. Seattle.
- D124 Excellent Long Term Outcomes Transplanting Single Pediatric Kidneys from Donors Five Years and Younger into Adult Recipients**
Rushi A. Shah, Meredith J. Aull, Anthony C. Watkins, Sandip Kapur. New York, NY.
- D125 Outcomes of Very Old Kidney Recipients of Grafts from Very Old Donors**
Hernando Trujillo, Ana García, Teresa Cavero, Beatriz Redondo, Candela Moliz, Teresa Bada, Esther González, Manuel Praga, Amado Andrés. Madrid, Spain.

D126 Outcomes and Risk Factors of Kidney Transplantation from Pediatric Donors to Adult Recipients

Guodong Chen, Xiaomian Liu, Chang Wang, Zixuan Wu, Changxi Wang, Lizhong Chen. Guangzhou, Guangdong, China.

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

Suwasin Udomkarnjananun, Natavudh Townamchai, Kroonpong Iampenkhae, Yingyos Avihingsanon, Somchai Eiam-Ong, Kearkiat Praditpornsilpa. Bangkok, Thailand.

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

Maria Molina, Jimena Cabrera, Esther Gonzalez, Ana Hernandez, Polanco Natalia, Amado Andres. Madrid, Spain; Montevideo, Uruguay.

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

Dirk J. van der Windt, Xilin Chen, Kristina Lemon, Christine Wu, Nirav Shah, Rajil Mehta, Chethan M. Puttarajappa, Puneet Sood, Sundaram Hariharan, Armando Ganoza, Martin Wijkstrom, Abhinav Humar, Amit D. Tevar. Pittsburgh, PA.

D134 Elevated Donor Terminal Creatinine Does Not Appear to Be Associated with Worse Outcomes in Kidney Transplantation

Stephen Rayhill, Jeffery Haldorson. Seattle.

D135 Peri-Operative Hemoglobin, Blood Transfusion and Delayed Graft Function in Kidney Transplant Recipients

Sarah MacIsaac, 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

Kiyohiko Hotta, Daiki Iwami, Hiroshi Harada, Yuichiro Fukasawa, Hiromi Okada, Haruka Higuchi, Takayuki Hirose, Nobuyuki Fukuzawa, Nobuo Shinohara. Sapporo, Japan.

D138 Use of Perfusion Machine after Long Cold Ischemia Time: 3 Years Results

Ana C. C. Matos, Lucio R. Requião-Moura, Eduardo J. Tonato, Marcelino Souza-Durão, Milton Borrelli, Mario Nogueira, Patricia Rubio, Alvaro Pacheco-Silva. São Paulo, Brazil.

- 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.
- Kidney Infectious**
- D144 † Microbiology and Outcomes of Febrile Neutropenia Episodes after Kidney Transplant**
Geoffrey K. Dube, Syed A. Husain, Heather K. Morris, David J. Cohen, Sumit Mohan. New York, NY.
- D145 † The Impact of Induction Agent on Development of Febrile Neutropenia Following Kidney Transplant**
Geoffrey K. Dube, Syed A. Husain, David J. Cohen, Sumit Mohan. New York, NY.
- D146 † Having Your Cake and Eating It Too: An Aggressive Protocol for DSA Treatment Does Not Doom Patients to High Infectious Risk**
Anu Murthy, Abdullah Karaballa, Gayle Vranic, Basit Javaid, Jack Moore, Soo Yi, Jennifer Verbese, Peter Abrams, Seyed Ghasemian, Matthew Cooper, Alexander Gilbert. Washington, DC.
- D147 † Urinary Tract Infections May Be Associated with De Novo Donor-Specific Anti-Human Leucocyte Antigen Antibodies: Single-Center Study**
Matthew J. Everly, Adarsh Babu, Kimberly P. Briley, Paul Bolin, Scott A. Kendrick, Heather Jones, Kristel McLawhorn, Angela Q. Maldonado, Carl E. Haisch, David Leeser, Lorita M. Rebellato. Los Angeles; Greenville, NC.
- D148 The Role of Pre-Emptive Antibiotic Therapy in Kidney Recipients of Donors with 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**
Patrick Brown, Deepak Venkat. Detroit.

- D152 One-Year Outcomes in Patients with Advanced Liver Fibrosis or Compensated Cirrhosis from Chronic Hepatitis C Receiving Kidney Transplant Alone**
Patrick Brown, Fitsum Kumssa, Deepak Venkat. Detroit.
- D153 Treatment of HCV Infection in Renal Transplant Recipients**
Maria del Carmen Rial, Lorena Tana, Cristina Alonso, Horacio D. Curcio, Eduardo Chulluyan, Domingo Casadei. Buenos Aires, Argentina.
- D154 Clinical Outcomes of HIV-Infected Kidney Transplant Recipients Managed with an Early Corticosteroid Withdrawal Protocol**
A. Al Jurdi, E. C. Liu, M. Aull, M. Lubetsky, D. Serur, S. Kapur, T. Muthukumar. New York.
- D155 Outcomes of Hispanic Kidney Transplant Recipients under a Cyclosporine versus Tacrolimus Based Immunosuppression Protocol**
Patricia West-Thielke, Maya Campara, Ignatius Tang, Enrico Benedetti. Chicago.
- D156 Val-Ganciclovir Prophylaxis Delays Onset of EBV Viremia in the First Year Post-Solid Organ Transplantation in High-Risk Patients**
Sawsan Albatati, Atul Sharma, Soren Gantt, Kathryn Haubrich, Alissa Wright, Tom Blydt-Hansen. Vancouver, Canada; Winnipeg, Canada.
- D157 Multi-Drug Resistant Urinary Tract Infections Following Renal Transplant: Risk Factors and Patient Outcomes**
Danielle Hooker, Kristofer Gutierrez, Keith Foster, Adam Dodson. Birmingham, AL.
- D158 Assessment of Methenamine Hippurate for the Prevention of Recurrent Urinary Tract Infections in Adult Renal Transplant Recipients: A Single Center, Retrospective Study**
Ian Hollyer, Francesca Varias, Bing Ho, Michael G. Ison. Chicago, IL; Grinnell, IA.
- D159 Decision-Making, Informed Consent, and the Experiences of Recipients of Experimental HCV Positive-to-Negative Renal Transplants**
Sarah Rasmussen, Shanti Seaman, Diane Brown, Niraj Desai, Mark Sulkowski, Dorry Segev, Jeremy Sugarman, Christine Durand. Baltimore.
- D160 Outcomes of Renal Transplants from Donors with Positive Blood or Urine Cultures**
Ling-Xin Chen, Davin H. H. Kamiyama, Luis Claudio Francalacci, Elizabeth Zhu, Monica A. Donnelley, Nicola Anne Clayton, Kirsten Alman, Angelo De Mattos, Jennifer Brown. Sacramento, CA.
- D161 Early versus Late Cytomegalovirus Prophylaxis after Kidney Transplant**
Matt Harris, Jennifer Byrns, Jennifer Gommer, Melissa Laub, Matt Ellis. Durham, NC.
- D162 Polyclonal Cellular Immune Function is Dose-Dependently Inhibited by Immunosuppressive Drugs but Has Limited Value in Predicting Infection or Rejection Episodes**
Stefanie Marx, Claudia Adam, Sarah Leyking, Urban Sester, Martina Sester. Homburg/Saar, Germany.
- D163 Association of Immunosuppressive Therapy Regimen with Sepsis Outcomes 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.
- D164 CMV Viremia and Development of CMV-Specific Cytotoxic T-Cells (CMV-Tc) in Pediatric Renal Transplant Recipients**
Helen Pizzo, Bongha Shin, Mieko Toyoda, Stanley Jordan, Dechu Puliyaanda. Los Angeles, CA.
- D165 Infectious Complications Associated with Eculizumab Used for ABO-Incompatible Renal Transplantation**
Maya Campara, Patricia West-Thielke, Kristin Progar, Natalia Jasiak, Alicia Lichvar, Ignatius Tang, Enrico Benedetti. Chicago.

- D166 Latent Tuberculosis Diagnosis Prior to Kidney Transplantation in a High Burden Country: Improvement with Serological Tests**
Valter Duro Garcia, Gisele Meinerz, Cynthia K. da Silva, Elizete Keitel. Porto Alegre, Brazil.
- D167 Use of Granulocyte Colony-Stimulating Factor for Leukopenia Post-Renal Transplant**
Stephanie Hamel, Vicky Kuo, David Johnson, Roy D. Bloom, Deirdre Sawinski, Jennifer Trofe-Clark. Philadelphia; San Francisco.
- D168 Ten Years of Low-Dose Valganciclovir; Evaluating the Incidence and Risk Factors of CMV in Kidney Transplant Recipients**
Sandra El Hajj, Jamil Azzi, Miae Kim, Steven Gabardi. Abu Dhabi, United Arab Emirates; Boston.
- D169 Oral Vancomycin Monotherapy versus Combination Therapy in Solid Organ Transplant Recipients with Uncomplicated *Clostridium difficile* Infection: A Retrospective Cohort Study**
Ghazwa Badr Korayem, Khalid Eljaaly, Kathryn R. Matthias, Tirdad T. Zangeneh. Riyadh, NA, Saudi Arabia; Tucson, AZ; Jeddah, Saudi Arabia.
- D170 † Serum Beta-(1,3)-D-Glucan as a Case-Finding Tool during an Outbreak of *Pneumocystis jirovecii* Pneumonia in Abdominal Transplant Patients**
Jaimie Mittal, Jaime Mogollon, Kelsie Cowman, Priya Nori, Victoria Muggia, Grace Minamoto, Yoram Puius. Bronx, NY.
- D171 BK Nephropathy in Non-Kidney Transplant Patients, a Case Series and Systematic Review of the Literature**
Ankur Shah, Vinayak Kumar, Benjamin Laskin, Deirdre Sawinski, Jonathan J. Hogan. Philadelphia.
- Kidney Living Donor: Selection**
- D172 Technical Challenges in Living Donor Kidney Transplantation - Diagnosis and Solutions**
Robert Öllinger, Khalid Alqasim, Fritz Klein, Nathanael Raschzok, Paul Ritschl, Sascha Chopra, Natalie M. Otto, Timm Denecke, Undine Gerlach, Moritz Schmelzle, Petra Reinke, Johann Pratschke. Berlin, Germany.
- D173 Kidney Related Issues Leads the Medical Reasons to Exclude Potential Living Kidney Donors from Donation ; Prospective Study**
Hassan Al-Eid, Nihal Sadaqah, Ihab Ibrahim, Safia Aleid, Ammar Abdulbaki, Syed Raza, Ibrahim Alahmadi, Tariq Ali, Jens Brockman, Dieter Broring. Riyadh, Saudi Arabia.
- D174 How Evaluation for Living Kidney Donation Saved My Life**
Martina Guthoff, Thomas Mühlbacher, Silvio Nadalin, Nils Heyne. Tübingen, Germany.
- D175 Klotho, HMGB-1 and Kynurenine as Marker for Injury and Function in Renal Transplantation**
Manfred J. Stangl, Dietmar K. Abendroth. Munich, Germany; Ulm, Germany.
- D176 The Effects of Age-Adjusted Marriage Duration on Graft Outcomes in Spousal Donor Kidney Transplantation**
Mi-yeon Yu, Ji In Park, Hyunjeong Cho, Jong Won Ha, Curie Ahn, Yon Su Kim, Hajeong Lee. Seoul, Korea; Chuncheon, Korea.
- D177 End Stage Kidney Disease Risk Profile in Living Kidney Donors for Pediatric versus Adult Kidney Transplant Recipients in Australia and New Zealand**
Darren Lee, John B. Whitlam, Natasha Cook, Amanda M. Walker, Francesco L. Ierino, Matthew A. Roberts, Joshua Y. Kausman. Melbourne, VIC, Australia.

- D178 Use of Right or Left Kidneys in Living-Donor Kidney Transplantation. Comparative Study of 320 Cases**
Marcelo Perosa, Juan Branez, Huda Noujaim, Leonardo Toledo Mota, Beimar Zeballos, Marcos Joaquim Castro, Giovanni Marchini, Luiz Estevam Ianhez, Leon Alvim, David Machado, Celia Mitiko Watanabe, Anita Saldanha, Hugo Abensur, Waldere Luconi, Tiago Genzini-Miranda, Raphael Federicci Haddad, Tercio Genzini. Sao Paulo, Brazil; Sorocaba, Sao Paulo, Brazil.
- D179 Multi-Center Examination of the Reliability and Validity of the Live Donor Assessment Tool (LDAT) as an Enhancement to the Psychosocial Evaluation of Living Donors**
Dianne LaPointe Rudow, Sheila Jowsey-Gregoire, Farrah Desrosiers, Joyce Trompeta, LDAT Study Group. NY, NY; Rochester, MN; San Francisco, CA.
- D180 Impact of Cigarette Smoking on Living Kidney Donor**
Young Eun Yoon, Hyung Ho Lee, Joon Chae Na, Kyu Ha Huh, Myoung Soo Kim, Soon Il Kim, Yu Seun Kim, Woong Kyu Han. Seoul, Korea; Goyang, Korea.
- D181 Recipient Outcomes in Age Mismatched Living Kidney Transplants from Donors > 60 Years: A UNOS Database Analysis**
Oluwafisayo Adebisi, 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**
Isioma Agboli, Linda W. Moore, Duc T. Nguyen, Edward A. Graviss, Hassan N. Ibrahim, Ahmed O. Gaber, Archana R. Sadhu. Houston, TX.

Kidney: Acute Cellular Rejection

- D184 † Clinical Significance of Isolated v-Lesions in Kidney Transplantation**
Argyrios Georgalis, Caroline Wehmeier, Patricia Hirt-Minkowski, Gideon Hönger, Helmut Hopfer, Jürg Steiger, Stefan Schaub, Patrizia Amico. Basel, Switzerland.
- D185 † Early Sub-Clinical and Clinical TCMR Are Associated with Progressive Renal Allograft Dysfunction**
Aravind Cherukuri, D. Chittka, R. Mehta, P. Sood, Sundaram Hariharan. Pittsburgh.
- D186 Reduced Ratio of FoxP3/ γ T RORgt Gene Expression, in Peripheral Blood, is Associated with Acute Allograft Rejection in Recipients with Kidney Transplantation**
Ravi Dhital, Ranjana Walker Minz, Mukut Minz, Ashish Sharma, Ritambhara Nada, Sarbpreet Singh, Deepesh Benjamin Kenwar, Sashi Anand. Chandigarh, UT, India; Columbus, OH; Mohali, Punjab, India.
- D187 Outcomes of Kidney Transplant Recipients with Early Allograft Inflammation: A Prospective Study**
Rajil Mehta, Srijan Tandukar, Puneet Sood, Chethan Puttarajappa, Christine Wu, Nirav Shah, Amit D. Tevar, Sundaram Hariharan. Pittsburgh.
- D188 Polymorphisms of Nucleotide Factor of Activated T Cells Cytoplasmic 2 and 4 and the Risk of Acute Rejection Following Kidney Transplantation**
Zijie Wang, Zhijian Han, Jun Tao, Hao Chen, Li Sun, Ruoyun Tan, Min Gu. Nanjing, China.
- D189 Subclinical Borderline Rejection: More Than Meets the Eye?**
Miriam Bernard, Gaurav Agarwal, Huma Fatima, Bruce A. Julian, Clifton Kew, Vineeta Kumar, Shikha Mehta, Song Ong, Asha Patel, Graham Towns, Michael E. Seifert, Roslyn B. Mannon. Birmingham.

- 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**
Ryne Marshall, Jared C. Brandenberger, Alex L. Cantafio, Jeffrey B. Halldorson, Ramasamy Bakthavatsalam, Andre A. S. Dick, Stephen C. Rayhill, Jorge D. Reyes, James D. Perkins. Seattle, WA.
- 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**
Puneet Sood, Wida Cherikh, Alice Toll, Rajil Mehta, Chethan Puttarajappa, Sundaram Hariharan. Pittsburgh; Richmond.
- D197 Highly Correlative Whole-Tissue Gene/protein Signatures to Score FFPE Transplant Biopsies with Inflammation and Acute Rejection**
Tara Sigdel, Mark Nguyen, Dejan Dobi, Szu-Chuan Hsieh, Julian Liberto, Flavio Vincenti, Zoltan Laszik, Minnie Sarwal. San Francisco.
- D198 Diagnosis of Acute Renal Rejection Using Saliva Metabolome Analysis**
Hitoshi Iwamoto, Masahiro Sugimoto, Osamu Konno, Yu Kihara, Takayoshi Yokoyama, Yuki Nakamura, Makoto Sunamura, Takuya Ueno. Hachioji, Tokyo, Japan; Hachioji, Japan.
- D199 Belatacept-Refractory CD8⁺CD28⁻CD38^{hi} Effector/Memory T Cells Are Targeted by mTOR Inhibition Leading to a Preferential Loss of CD40L**
Cyd M. Castro Rojas, Alzbeta Godarova, Adele Rike Shields, Rita Alloway, Michael B. Jordan, E. Steve Woodle, David Hildeman. Cincinnati, OH.
- Liver - Kidney Issues in Liver Transplantation**
- D200 † New SLK Allocation Policy May Impact Transplant Outcomes in Women**
Giuseppe Cullaro, Ryutaro Hirose, Jennifer C. Lai. San Francisco, CA.
- D201 † Liver Transplants from Older Donors Have Worse Outcomes in Elderly Recipients with Renal Dysfunction**
Randolph Schilke, Mohamed Safwan, Shunji Nagai, Marwan Abouljoud, Anita Patel. Detroit, MI.
- D202 † Comparing Outcomes between Induction Immunosuppressive Therapies in Simultaneous Liver/Kidney Transplantation**
Ujwal Gautam, Trevor Reichman, Jonathan Yu, Sindhuja Koppu, Dipankar Bandyopadhyay, Marlon Levy, Gaurav Gupta, Layla Kamal. Richmond, VA.

- 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, Nilton 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**
Hasan Khamash, Anjushree Kumar, Bashar Aqel, Raymond Heilman, Andres Jaramillo, Kunam Reddy, Adyr Moss. Phoenix.
- D205** **Persistent Progressive Acute Kidney Injury and Graft Failure Post Liver Transplantation**
Trana Hussaini, Nilufar Partovi, Eric M. Yoshida, Siegfried R. Erb, Charles Scudamore, Stephen Chung, Vladimir Marquez. Vancouver, BC, Canada.
- 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 Nickkholgh, 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 Adelman. San Francisco.
- D209** **Transplantation of DCD Livers vs. NDD and LDLT: Is There a Difference in Post-Transplant Kidney Dysfunction?**
Dagmar Kollmann, Shuet Fong Neong, Roizar Rosales, Gonzalo Sapisochin, Mamatha Bhat, Mark S. Cattral, Paul D. Greig, Les Lilly, Ian D. McGilvray, Anand Ghanekar, David R. Grant, Markus Selzner, Florence S. H. Wong, Nazia Selzner. Toronto, Canada.
- D210** **Derivation and Prospective External Validation of Prediction Models for Acute Kidney Injury in Adult Liver Transplant Recipients**
Qiang Zhao, Zhiyong Guo, Maogen Chen, Sijia Ma, Jianwei Lin, Chuanzhao Zhang, Ming Han, Xiaoshun He. Guangzhou, China; Shenzhen, China.
- 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**
Jialin Zhang, Qingpeng Liu, Xiaohang Li, Yiman Meng, Lei Yang, Chengshuo Zhang, Ning Sun, Ao Jiao, Jianzhen Lin. Shenyang, Liaoning, China.
- D214** **Single-Dose Basiliximab Induction in Liver Transplant Recipients with Delayed CNI Initiation**
David M. Salerno, Nicholas W. Lange, Russell Rosenblatt, Chelsea Sammons, Brett E. Fortune. New York, NY; Philadelphia, PA.

- D215** **Assesment of a Novel Chronic Kidney Disease Educational and Goal Setting Tool among Liver Transplant Recipients**
Rachael Leek, Jeong Park, Claire Koerschner, Jennifer Mawby, Julie Wright Nunes, Christopher Sonnenday, Pratima Sharma. Ann Arbor.
- D216** **Outcomes in Liver Transplant Patients on Renal Sparing Protocol**
Alexander Polyak, Daniel R. Ganger, Aneesha A. Shetty. Valhalla, NY; Chicago, IL.
- D217** **Assessment of Donor Specific Anti-HLA Antibodies throughout SLK Transplantation**
Peter T. Jindra, Michael L. Kueht, Stacie Gray, Derrick Giang, Matthew F. Cusick, Abbas Rana, Bhamidipati V. Murthy, Whitson B. Etheridge, John A. Goss, Ronald H. Kerman. Houston, TX.
- D219 †** **The Learning Curve in 100 Consecutive Live Liver Donors Undergoing Pure Laparoscopic Right Hepatectomy**
Kyung-Suk Suh, Suk Kyun Hong, Kyung Chul Yoon, Jeong-Moo Lee, Jae-Hyung Cho, Nam-Joon Yi, Kwang-Woong Lee. Seoul, Korea.
- D220 †** **Medical and Psychosocial Outcomes of Directed and Non Directed Living Liver Donors**
Jennifer L. Steel, Swaytha Ganesh, Alexander Lai, Shutian Shen, Nicole Zharichenko, Sophia Nawaz, Kendal Kingsley, Michelle Dulovich, Amit D. Tevar, Christopher Hughes, Abhinav Humar. Pittsburgh, PA.
- D221** **Living Donor Liver Transplant (LDLT) at a Single Center- Intraoperative Technical Modifications and Optimization of Flow Dynamics to Improve Outcomes**
Abhinav Humar, Swaytha Ganesh, Amit Tevar, Michele Molinari, Christopher Hughes. Pittsburgh.
- D222** **Modified Protocol for ABO-Incompatible Living Donor Liver Transplantation with Rituximab and Intravenous Immunoglobulin without Plasma Exchange**
Byung-Gon Na, Eung Chang Lee, Seong Hoon Kim, Sang Jae Park. Il-san Donggu, Goyang, Republic of Korea.
- D223** **Comparison of Pure Laparoscopic vs Open Living Donor Right Hepatectomy**
Boram Lee, YoungRok Choi, Ho-Seong Han, Yoo-Suk Yoon, Jai Young Cho. Gyeonggi-do, Korea.
- D224** **Postoperative Immunological Profiles of Adult ABO-Incompatible Living Donor Liver Transplant Recipients**
Ting-Jung Wu, Yu-Chao Wang, Chih-Hsien Cheng, Tsung-Han Wu, Chen-Fang Lee, Hong-Shiue Chou, Kun-Ming Chan, Wei-Chen Lee. Taoyuan, Taiwan.
- D225** **Living Liver Donation: The Role of Facebook in Directed Donation**
Alexander Lai, Jennifer L. Steel, Swaytha Ganesh, Olutoyin Ola, Shutian Shen, Nicole Zharichenko, Sophia Nawaz, Amit D. Tevar, Abhinav Humar. Pittsburgh, PA.
- D226** **Surgical Technique and Outcomes of Portal Vein Reconstruction of Adult-to-Adult Living Donor Liver Transplantation Recipients with Portal Vein Thrombosis**
Naohisa Kuriyama, Aoi Hayasaki, Takehiro Fujii, Yusuke Iizawa, Hiroyuki Kato, Yasuhiro Murata, Akihiro Tanemura, Yoshinori Azumi, Masashi Kishiwada, Shugo Mizuno, Masanobu Usui, Hiroyuki Sakurai, Shuji Isaji. Tsu, Mie, Japan.
- D227** **The Safety and Efficacy of Splenic Artery Ligation in Living Donor Liver Transplant Recipients**
Yusuf Gunay, Swaytha Ganesh, Michele Molinari, Amit Tevar, Christopher Hughes, Abhinav Humar. Pittsburgh.
- D228** **Small-for-Size Grafts Increase Recurrence of Hepatocellular Carcinoma in Liver Transplantation beyond Milan Criteria**
Eung Chang Lee, Seong Hoon Kim, Jae Ryong Shim, Jang Ho Park, Byung Gon Na, Sang-Jae Park. Goyang, Korea.

- D229 Recipient ABO Blood-Type is Associated with Their Survival after Adult-to-Adult Living-Donor Liver Transplantation: Blood-Type O is Disadvantage?**
Toru Goto, Koichiro Hata, Miki Nagao, Jiro Kusakabe, Yusuke Okamura, Tetsuya Tajima, Ichiro Tamaki, Yermek Nigmat, Tetsuya Tajima, Junichi Yoshikawa, Hirokazu Tanaka, Satoshi Ichiyama, Shinji Uemoto. Kyoto City, Japan.
- 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.
- D231 Occupational and Financial Outcomes of Directed and Non-Directed Living Liver Donors**
Jennfier L. Steel, Michelle Dulovich, Kendal Kingsley, Swaytha Ganesh, Olutoyin Ola, Alexander Lai, Shutian Shen, Nicole Zharichenko, Sophia Nawaz, Amit D. Tevar, Christopher Hughes, Abhinav Humar. Pittsburgh, PA.
- D232 Living Liver Donors Face Substantial Out-of-Pocket Donation-Related Costs**
Jessica M. Ruck, Allan B. Massie, Jacqueline Garonzik-Wang, Shane E. Ottman, Andrew M. Cameron, Benjamin Philosophe, Dorry L. Segev. Baltimore, MD.
- D233 Pregnancy Outcomes after Living Liver Donation**
Grace S. Lee, Elizabeth M. Sonnenberg, Kim M. Olthoff, David S. Goldberg, Peter L. Abt. Philadelphia, PA.
- 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.

- D236 Water-Jet Dissection for Donor Hepatectomy during Living Donor Liver Transplantation**
Kunihito Gotoh, Hidetoshi Eguchi, Yoshifumi Iwagami, Daisaku Yamada, Tadafumi Asaoka, Takehiro Noda, Koichi Kawamoto, Shogo Kobayashi, Koji Umeshita, Yuichiro Doki, Masaki Mori. Suita, Osaka, Japan.
- 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.
- D238 † Living Liver Donation is Safe in Donors Heterozygous for an alpha-1 Antitrypsin Gene Mutation**
Therese Bittermann, Linda Wood, Peter L. Abt, Abraham Shaked, Kim M. Olthoff, David S. Goldberg. Philadelphia, PA.
- D239 Impact of Donor Age on Outcomes after Living Donor Liver Transplantation**
Koji Hayashi, Kunihito Gotoh, Hidetoshi Eguchi, Yoshifumi Iwagami, Daisaku Yamada, Tadafumi Asaoka, Takehiro Noda, Koichi Kawamoto, Shogo Kobayashi, Koji Umeshita, Yuichiro Doki, Masaki Mori. Suita, Osaka, Japan.
- D240 Impact of Preserved Collateral Veins on Small-for-Size Grafts in Living Donor Liver Transplantation**
Byung-Gon Na, Eung Chang Lee, Seong Hoon Kim, Sang Jae Park. Goyang, Republic of Korea.

Liver: Viral Hepatitis

- 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.

- D242 A Comparison of the Discard Rate in Hepatitis C Deceased Liver Donors between Two Eras, 2008-2013 and 2014-2017. A Single Organ Procurement Organization Experience**
Mustafa Nazzal, Gary Marklin, Obi Okoye, Youngjoon Kim, Rosemary Ouseph. Saint Louis, MO.
- D243 Benefit of Anti-Hepatitis B Immunoglobulin(HBIG) Monotherapy Compared to HBIG Combined with Entecavir in Long Term Renal Function**
Jae Geun Lee, Deok Gie Kim, Jung Jun Lee, Sung Hoon Kim, Hyoungg Sonn Lee, Seung Hwan Song, Jee Youn Lee, Man Ki Ju, Gi Hong Choi, Dong Jin Joo, Jin Sub Choi, Soon Il Kim, Yoon Bin Jung. Seoul, Republic of Korea; Seongnam, Republic of Korea; Wonju, Republic of Korea; Ilsan, Republic of Korea.
- D244 Efficacy of Generic Sofosbuvir and Branded Daclatasvir Compared to Sofosbuvir and Ledipasvir Combination in the Treatment of Genotype 4 Hepatitis C Virus**
Hala Joharji, Ahmed Al-Jedai, Delal Alkortas, Aziza Ajlan, Edward Devol, Mohamed Ahmed, Faisal Aba Al-Khail, Hussein El-Siesy, Mohamed Al-Sebayel, Hamad Al-Ashgar, Mohammed Al-Quaiz, Waleed Alhomodi, Aya Aloubal, Amira Almohishir. Riyadh, Saudi Arabia.
- D245 Effect of Direct-Acting Hepatitis C Treatment Regimens on Calcineurin Inhibitors in Liver and Kidney Transplant Patients**
M. Laub, J. Byrns, M. Harris, C. Berg, S. Sanoff. Durham, NC.
- D246 Outcomes of Antiviral Treatment (AVT) in Hepatitis C Virus (HCV) Liver Transplant (LT) Patients off Immunosuppression (IS) in Direct Acting Antivirals (DAA) Era**
Eliana Z. Agudelo, Isabel Campos-Varela, Norah A. Terrault. San Francisco, CA; Santiago de Compostela, Spain.
- D247 Treatment and Outcomes of Orthotopic Liver Transplant Patients Secondary to Hepatitis C Virus: A Single Center Experience**
Tracy Yixin Chen, Mozghon Moaddab, Brett Pierce, Rafik Ghobrial. Houston, TX.
- D248 Hepatitis C Recurrence after Liver Transplant: A Comparison of Antibody Induction versus No Antibody Induction**
Shree Patel, Joan Jin, Enrico Benedetti, Patricia West-Thielke. Chicago.
- Stem Cell, Cellular Therapies and Regenerative Medicine**
- D249 † Enhancement of Muscle Regeneration and Function via Transplantation of Human Dystrophin Expressing Chimeric Cells as a Novel Myoblast Stem-Cell Based Therapy**
Maria Siemionow, Joanna Cwykiel, Enza Marchese, George Rafidi, Katarzyna Futoma, Ahlke Heydemann, Jesus Garcia-Martinez, Erzsebet Szilagyi. Chicago.
- D250 Exosomes from Umbilical Cord-Derived Mesenchymal Stem Cells on Hepatocytes Proliferation after Small-for-Size Liver Transplantation via RHO/ROCK Pathway**
Liang Chen, Jun Zheng, Jianye Cai, Jia Yao, Kaining Zeng, Yingcai Zhang, Yang Yang. Guangzhou, Guangdong, China.
- D251 Mitochondrial Quality Control through PGC-1 α in Syngenic Mouse Heart Transplant**
Anne D. Cherry, Kris M. Porter, Hagir B. Suliman, Jun Wang, Michael S. Mulvihill, Allan D. Kirk. Durham, NC.
- D252 Extracellular Vesicles Derived from Huc-MSCs Alleviate Rat Hepatic Ischemia-Reperfusion Injury by Suppressing Oxidative Stress and Neutrophil Inflammatory Response**
Jia Yao, Jianye Cai, Jun Zheng, Liang Chen, Yingcai Zhang, Yang Yang. Guangzhou, Guangdong, China.
- D253 † Allogeneic Mesenchymal Stem Cells as Induction Therapy Are Safe and Feasible in Renal Allografts: Pilot Results of a Multicenter Randomized Controlled Trial**
Qipeng Sun, Fei Han, Ming Zhao, Ronghua Cao, Daqiang Zhao, Zhengyu Huang, Liangqing Hong, Yanwen Peng, Qiquan Sun. Guangzhou, China.

Surgical Issues (Open, Minimally Invasive): All Organs

- D254 † Ischemia-Free Liver Transplantation for Fatty Liver Grafts in Human**
Weiqiang Ju, Shanzhou Huang, Zhiyong Guo, Guodong Chen, Xiaoshun He. Guangzhou, China.
- D255 Postoperative Renal Function Predicts Length of Stay for Incisional Hernia Repair after Liver Transplantation**
James R. Butler, Daniel C. O'Brien, Joshua K. Kays, Chandrashekhar A. Kubal, Burcin Ekser, Jonathan A. Fridell, Richard S. Mangus, John A. Powelson. Indianapolis, IN.
- D256 The Grade of Pre-Transplant Portal Vein Thrombosis in Liver Transplant Recipients Impacts Graft and Patient Survival**
Mohamed Safwan, Michael Sobolic, Shunji Nagai, Randolph Schilke, Kelly Collins, Atsushi Yoshida, Marwan Abouljoud, Michael Rizzari. Detroit, MI.
- D257 Preventing Recurrence of Incisional Hernia after Liver Transplantation**
James R. Butler, Daniel C. O'Brien, Joshua K. Kays, Chandrashekhar A. Kubal, Burcin Ekser Ekser, Jonathan A. Fridell, Richard S. Mangus, John A. Powelson. Indianapolis, IN.
- D258 Liver Transplantation Post Gastric Bypass: Surgical Complications and Outcomes**
Adarsh Vijay, Aradhya Nigam, Raffaele Girlanda, Alexander Kroemer, Jason Hawksworth, Cal Matsumoto, Thomas Fishbein. Washington, DC.
- D259 Incisional Hernia after Orthotopic Liver Transplantation: A Systematic Review and Meta-Analysis**
James R. Butler, Daniel C. O'Brien, Joshua K. Kays, Chandrashekhar K. Kubal, Burcin Ekser, Jonathan A. Fridell, Richard S. Mangus, John A. Powelson. Indianapolis, IN.

- D260 Corner-Saving Renal Artery Anastomosis for Renal Transplantation**
Aydinca 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 Bednarsch, Jörg Böcker, Franziska Meister, Iakovos Amygdalos, Wenzel Schöning, Tom Florian Ulmer, Xavier Rogiers, Phillipp Dutkowski, Pål-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.
- D264 Sequential Percutaneous Insertion of Two Plastic Biliary Stents through One Percutaneous Access for Biliary Anastomotic Strictures after Liver Transplantation**
Fatih Boyvat, Ali Harman, Aydinca Akdur, Cuneyt Aytekin, Mahir Kirnap, Gokhan Moray, Mehmet Haberal. Ankara, Turkey.
- D265 Prostate Cancer Characteristics in Men on Immunosuppressive Medications**
Mohamed Eltemamy, Ahmed Elshafei, Ayman Salah, Yaw Nyame, Hans Arora, Alvin Wee, Venkatesh Krishnamurthi, Stephen Jones. Cleveland.

- D266 The Technique of Ileobladder and Kidney Transplantation in Rats and Pigs**
Mehmet Haberal, Mahir Kirnap, Dilsah Ersoz, Didem Bacanli, Zeynep Ersoy, Mirbek Bayzakov, Adnan Torgay, Handan Ozdemir. Ankara, Turkey.
- D267 Closing Pandora's Box: An Evidence Based Approach to Opioid-Tolerant Patients Following Transplantation. The Case for IV Methadone**
Annas Aljasseem, Levi M. Hall, Steven Cohn, Damanpreet Bedi, Mohammed Alsibae, Krishna Putchakayala, Syed Tasleem, Dilip Samarapungavan, Christopher Carpenter, Alan Koffron. Royal Oak, MI.
- D268 The Anterior Rectus Sheath Approach Resulted in No Difference in Wound Complication Rates in Obese versus Non-Obese Renal Transplant Recipients**
Scott King, Sharon Hill, Lorie Lipscomb, Alice Jones, Robert Jeffries, Joseph Africa. Cleveland, OH; Charleston, WV.
- D271 Living Donor Liver Transplantation for Hepatocellular Carcinoma beyond UCSF Criteria: Can We Achieve a Modest Long-Term Survival? A Single Center Retrospective Analysis of Using Extended Criteria**
Ashok Thorat, Long-Bin Jeng, Shih-Chao Hsu, Chun-Chieh Yeh, Te-Hung Chen, Horng-Ren Yang, Kin-Shing Poon, Ping-Chun Li. Taichung, Taiwan.
- D272 Outcomes of Donation after Cardiac Death Liver Grafts from Donors \geq 50 Years of Age: A Multi-Center Analysis**
Kristopher P. Croome, Amit K. Mathur, David D. Lee, Adyr A. Moss, Charles B. Rosen, Julie K. Heimbach, C. Burcin Taner. Jacksonville, FL; Rochester, MN; Scottsdale, AZ.
- D273 A High Abdominal Aortic Calcification Score by Dual X-Ray Absorptiometry (DXA) is Associated with Cardiovascular Events after Kidney Transplantation**
Stan Benjamens, Robert A. Pol, Andor W. Glaudemans, Ivanka Wieringa, Stefan P. Berger, Stephan J. Bakker, Riemer H. Slart. Groningen, Netherlands.
- D274 Identifying Patients with CPRA $>$ 99.95% Likely to Be Offered Deceased Donor Kidneys**
Ronald Parsons, Shalini Bumb, Hannah Decker, Robert Bray, Howard Gebel. Atlanta, GA.
- D275 Variation in Hypothermic Machine Perfusion Utilization and Clinical Outcomes for Deceased-Donor Kidneys**
Vijay Krishnamoorthy, Scott Wunsch, Kevin O'Connor, Michael Souter. Durham, NC; Bellevue, WA; Seattle, WA.
- D276 Bone Marrow Derived Myeloid Suppressor Cell (BM-MDSCs) Prolongs the Graft Survival in Murine Heart Transplantation**
Koichiro Uchida, Keiichi Fujimoto, Kazuyoshi Takeda, Hisashi Bashuda, Enzhi Yin, Ko Okumura. Tokyo, Japan.

Late Breaking

- D269 Noninvasive Quantization of Intra-Renal Allograft C4d Deposition with Targeted Ultrasound Imaging**
Tao Liao, Yannan Zhang, Jie Ren, Haofeng Zheng, Hongjun Zhang, Xiaonan Liu, Tinghui Yin, Qiquan Sun. Guangzhou, Guangdong, China.
- D270 An Open-Label Proof-of-Principle Phase 2a Study to Evaluate Autologous Hematopoietic Stem Cell Transplantation for Allogeneic Organ Transplant Tolerance (ASCOTT)**
Andrzej Chruscinski, Harold Atkins, Meaghan Macarthur, Clement Anne Marie, David Grant, Christopher Bredsen, Eberhard Renner, Leslie Lilly, Nazia Selzner, Oyedele Adeyi, Robert Smith, Sajad Moshkelgosha, Atul Humar, Stephen Juvet, Gary Levy. Toronto, ON, Canada; Ottawa, ON, Canada.

- 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.
- D278 Defective Innate Immune Response to Opportunistic Pathogens in Cytomegalovirus-Infected Monocytes**
Pritha Sen, Adrian R. Wilkie, Rosio Fernandes, Rebekah J. Lane, Suzanne E. Hickman, Terry K. Means, Eric R. Rosenberg, Donald M. Coen, Jay A. Fishman, Joseph El Khoury. Boston, MA.
- D279 Gastrointestinal Autologous Reconstruction for Management of Chronic Gut Failure in the New Era of Visceral Transplantation**
Kareem M. Abu-Elmagd, Sherif R. Armanyous, Neha R. Parekh, David McMichael, Masato Fujiki, Koji Hashimoto, Ajai Khanna, Abdullah Shatnawei, Guilherme Costa. Cleveland, OH.
- 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 Ravaioli, Vanessa De Pace, Matteo Cescon, Massimo Del Gaudio, Valentina Rosa Bertuzzo, Antonio Siniscalchi, Antonietta D’Errico, Giorgia Comai, Gaetano La Manna, Antonio Daniele Pinna. Bologna, Emilia Romagna, Italy.
- D282 Maximizing Utilization in Pancreas Transplantation: Phenotypic Characteristics Differentiating Aggressive from Nonaggressive Transplant Centers**
Oscar K. Serrano, David M. Vock, Ty B. Dunn, Raja Kandaswamy, Erik B. Finger. Minneapolis, MN.
- D283 Depressive Symptoms, Medication Nonadherence, and Clinical Outcomes Following Lung Transplantation**
Michael C. Chu, Patrick J. Smith, Gregory L. Stonerock, James A. Blumenthal. Singapore, Singapore; Durham, NC.
- 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-Isakov, 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, Tamara Perera, John Isaac, Anna Paola Mitterhofer, Jeroen de Jonge, Paolo Muiesan. Birmingham, United Kingdom; Rome, Italy; Rotterdam, Netherlands.
- D287 Delivery of Culturally-Competent Transplant Care among Hmong Kidney Transplant Recipients: Outcomes from a Single Institution**
Marjorie Odegard, Oscar K. Serrano, Kent Peterson, Steven J. Mongin, Danielle Berglund, David M. Vock, Srinath Chinnakotla, Ty B. Dunn, Erik B. Finger, Raja Kandaswamy, Timothy L. Pruett, Arthur J. Matas. Minneapolis, MN.
- D288 De Novo Belatacept in Clinical Vascularized Composite Allotransplantation**
Linda C. Cendales, David S. Ruch, Adela R. Cardones, Guy Potter, Joshua Dooley, Daniel Dore, Jonah Orr, Gregory Ruskin, Mingqing Song, Dongfeng Chen, Angelica Selim, Allan D. Kirk. Durham, NC.

- 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**
Cuilin Zhu, Aanal Patel, Yale Su, Jifu Jiang, Dameng Lian, Alp Sener, Weiping Min, Patrick Luke, Douglas Quan, Kexinag Liu, Xiufen Zheng. London, ON, Canada; ChangChun, China.
- D291 Living-Donor Preemptive Kidney Transplant Timing Calculator: An Online Decision Support Tool**
Masoud Barah, Murat Kurt, Anahita Khojandi, Bekir Tanriover. Knoxville, TN; North Wales, PA; Dallas, TX.
- D292 Hypothermic Machine Perfusion Protects DCD Liver Graft through Metabolism of Xenobiotics by Cytochrome P450 Pathway**
Qifa Ye, Wenjin Liang, Zibiao Zhong, Shaojun Ye, Bo Tang, Qianchao Hu, Juntao Liang, Yanfeng Wang. Wuhan, China; Changsha, China.
- D293 Laparoscopic Donor Nephrectomy - The BMI Effect**
Vincent Chia, Farhi Khan, Michael Newell, Linda J. Chen. Bristol, England, United Kingdom; Galway, Ireland; Miami.
- D294 Weight Changes before and after Kidney Donation**
Ann Bugeja, Sophie Harris, Jaclyn Ernst, Kevin D. Burns, Greg Knoll, Edward G. Clark. Ottawa, ON, Canada.
- D295 Prophylaxis of Wound Infections-Antibiotics in Renal Donation (POWAR): A Multicentre UK Double Blinded Placebo Controlled Randomised Controlled Trial**
Zubir Ahmed, Raphael Uwechue, Nicos Kessar, Nizam Mamode. London, United Kingdom.
- D296 Barriers and Disparities in Listing for Pediatric Solid Organ Transplant**
Elizabeth A. Steinberg, Cindy Buchanan, Michael Wachs, Sarah Schmiede. Aurora, CO; Aurora.
- D297 Is Kidney Transplantation Safe in Patients over 71 Years Old?**
Gianluigi Andani, Patrizia Tulissi, Maria Gropuzzo, Sara Crestani, Clotilde Vallone, Umberto Baccarani, Domenico Montanaro, Andrea Risaliti. Udine, Italy.
- D298 Phosphoproteomic Analysis of Mouse Hepatic Ischemia/Reperfusion Injury**
Ali Zarrinpar, Sergio Duarte, Yimu Lai. Los Angeles, CA; Gainesville, FL.
- D299 Liver Preservation with Machine Perfusion and a New Human-Derived Hemoglobin-Based Oxygen Carrier Solution (HDHBOC)**
William R. Light, Ashok Malavalli, Kim Vandegriff, Paulo Fontes. Natick, MA; Pittsburgh, PA.
- D300 Livers from Diabetic Donors Can Safely Be Used in Donation after Circulatory Death Liver Transplantation**
Isabel Brüggewirth, Indre Vasiliauskaitė, 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'an 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.

