Transplant Immunosuppression 2017: Achieving Long Term Success

October 11 – 14, 2017

The Commons Hotel
University of Minnesota Campus
Minneapolis, MN

Presented by:
Division of Transplantation
Department of Surgery

University of Minnesota
Medical School
SUPPORTERS
The Department of Surgery, Division of Transplant would like to extend a special thank you to the following organizations for their support of this meeting through educational grants:
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MEETING INFORMATION

Onsite Registration Hours
Location: Commons Hotel, top of escalators

Wednesday, October 11 ................... 7:00 a.m. – 5:30 p.m.
Thursday, October 12 ...................... 7:00 a.m. – 5:15 p.m.
Friday, October 13 ........................ 7:00 a.m. – 5:20 p.m.
Saturday, October 14 ..................... 7:15 a.m. – 12:00 p.m.

Course Director: Arthur Matas, MD

Local Organizing Committee:
   Srinath Chinnakotla, MD
   Ty Dunn, MD, MS
   Erik Finger, MD, PhD
   Hassan N. Ibrahim, MD, MS
   Raja Kandaswamy, MD
   Varvara Kirchner, MD
   Jack Lake, MD
   Christopher Martin, RPh
   William Payne, MD
   Timothy Pruett, MD

Nurse/Coordinator Planning Committee:
   Mary Beth Drangstveit, RN, BAN, CCTC
   Elana Glumac, RN, BSN
   Kristine Hinton, RN, BSN
   Mary Huepfel, RN, BSN, CCTC
   Michelle James, MS, RN, CNS
   Mary Jewison, BSN, RN
   Marilyn Leister, RN, BSN
   Marci Siers, RN, BSN
   Emily Warren, RN, BSN
EDUCATIONAL OBJECTIVES:

1. Discuss how to increase access to transplantation by examining eligibility requirements and access to living and non-living donors.

2. Explain how focus needs to be changed to long-term outcomes and how patient and graft survival could be improved.

3. Recognize the current findings related to the prevention and treatment of antibody-mediated rejection.

4. Describe the advances in precision/personalized medicine in immunosuppression.

5. Identify the most up to date options for improving the care of the living donor.

6. Discuss the current research and clinical outcomes for liver and pancreas transplant.

7. Manage treatment options for Hepatitis C in patients with end state renal disease.

Financial relationship disclosures for each presenter, course director, and planning committee member will be provided separately to all attendees.
**ACCREDITATION**

**Accreditation Statement**
In support of improving patient care, University of Minnesota, Interprofessional Continuing Education is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

**Credit Designation Statements**

*American Medical Association (AMA)*
The University of Minnesota, Interprofessional Continuing Education designates this live activity for a maximum of 24.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

*American Nurses Credentialing Center (ANCC)*
This activity is awarded up to 24.5 ANCC contact hours.

*Accreditation Council for Pharmacy Education (ACPE)*
This activity is eligible for up to 23.25 ACPE contact hours. Universal Activity Number (UAN) is 0031-0000-17-270-L01-P through 0031-0000-17-283-L01-P.

**Other Healthcare Professionals**
Other healthcare professionals who participate in this CE activity may submit this statement of participation to their appropriate accrediting organizations or state boards for consideration of credit. The participant is responsible for determining whether this activity meets the requirements for acceptable continuing education.

**Evaluations and Credit Tracking - z.umn.edu/transplant2017eval**
Conference evaluation and credit tracking worksheet are online. Thank you for completing the evaluation as your feedback is important to us.

- Complete the online evaluation and tracker at z.umn.edu/transplant2017eval by October 29.
- Statements of Participation will be emailed by November 17 to those who complete the tracker. Please retain this email for your records.
- IMPORTANT: CE credits will only be issued to those who submit the participation tracking worksheet. Participation tracking worksheets will not be accepted and Statements of Participation will not be issued past one year after the last date of the activity.
**Agenda**

**WEDNESDAY, OCTOBER 11**

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<tr>
<th>Time</th>
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<tr>
<td>7:00 a.m.</td>
<td>Registration</td>
<td>top of escalators</td>
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<tr>
<td>7:00 a.m.</td>
<td>Breakfast</td>
<td>Meridian Foyer</td>
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<tr>
<td>8:00 a.m.</td>
<td><strong>Immunosuppression Pre-Meeting</strong></td>
<td>Meridian Ballroom</td>
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<tr>
<td>8:15 a.m.</td>
<td><strong>Introduction</strong> Marci Siers, RN, BSN (MHealth)</td>
<td>Marci Siers, RN, BSN (MHealth)</td>
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<tr>
<td>8:35 a.m.</td>
<td><strong>Electronic Transplant Patient Education</strong> Michelle James, MS, RN, CNS, CCTN (MHealth)</td>
<td>Meridian Ballroom</td>
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<td>9:00 a.m.</td>
<td><strong>Frailty: How it impacts Evaluation &amp; Candidacy</strong> Amar Mahgoub, MD (UMN)</td>
<td>Meridian Ballroom</td>
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<tr>
<td>9:00 a.m.</td>
<td><strong>Panel Discussion: How Financial Stability is Assessed during Transplant Evaluation</strong></td>
<td>Meridian Ballroom</td>
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<td>9:30 a.m.</td>
<td><strong>Break</strong></td>
<td>Meridian Foyer</td>
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<tr>
<td>9:50 a.m.</td>
<td><strong>BMI and the Transplant Population</strong> Katherine Kondziolka, RD (MHealth)</td>
<td>Meridian Foyer</td>
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<td>10:15 a.m.</td>
<td><strong>Waitlist Management</strong> Ty Dunn, MD (UMN)</td>
<td>Meridian Ballroom</td>
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<td>10:45 a.m.</td>
<td><strong>APP Role in Patient Care Continuum</strong> Heidi Sarumi, PA-C (MHealth)</td>
<td>Meridian Ballroom</td>
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<tr>
<td>11:15 a.m.</td>
<td><strong>Panel Discussion: Achieving Long Term Success</strong></td>
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**Living Donation - Part 1: Barriers to Living Donor Transplants** Meridian Ballroom

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<tr>
<td>12:30 p.m.</td>
<td>Understanding long-term outcomes after donor nephrectomy Robert Gaston, MD (UAB)</td>
<td>Meridian Ballroom</td>
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<tr>
<td>12:50 p.m.</td>
<td><strong>How Do Donors Develop ESRD</strong> Hassan Ibrahim, MD (Houston Methodist Hospital)</td>
<td>Meridian Ballroom</td>
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<tr>
<td>1:10 p.m.</td>
<td><strong>Minimizing Financial Barriers to Living Kidney Donor Transplants</strong> Lara Tushla, MSW (Rush University)</td>
<td>Meridian Ballroom</td>
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<td>1:30 p.m.</td>
<td><strong>Evaluation and care of vulnerable living donor candidates</strong> Rebecca Hays, MSW (Wisconsin)</td>
<td>Meridian Ballroom</td>
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<tr>
<td>1:50 p.m.</td>
<td><strong>Non-directed Donations</strong> Jennifer Wiseman, MSW (MHealth)</td>
<td>Meridian Ballroom</td>
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</table>
2:10 – 2:35 p.m. Panel Discussion

2:35 p.m. Break ........................................................ Meridian Foyer

2:35 p.m. Break ........................................................ Meridian Ballroom
Moderator: Richard Spong, MD, MHA (UMN)

Living Donation – Part 2: Recovering after Donation Meridian Ballroom

3:00 p.m. Financial burden and return to work after living kidney donation
Dawn Larson, MSW, LICSW (MHealth)

3:20 p.m. Why is defining financial neutrality for living donors tricky?
Rebecca Hays, MSW (Wisconsin)

3:40 p.m. Long-term Care for Donors to Minimize Risks John S. Gill, MD (UBC)

4:00 p.m. Pregnancy after Donation
Hassan Ibrahim, MD (Houston Methodist Hospital)

4:20 p.m. Care of Donors Who Regret Suzanne McGuire, RN, BSN (UCLA)

4:40 – 5:05 p.m. Panel Discussion

5:05 – 7:00 p.m. Welcome Reception & Poster Viewing Meridian Foyer

Poster #1:
Post-renal Transplantation Outcomes in Elderly Compared to Younger patients in Setting of Early Steroid Withdrawal.
Razan Alsheikh, PharmD, BCPS’ and Steven Gabardi, PharmD, BCPS, FAST, FCCP’. 1. The University of Arizona, 2. Brigham and Women’s Hospital

Poster #2:
Alemtuzumab Use in Renal Transplantation: A Single Center Review of 661 Patients.
Joseph Brooks, Graham Mitro, Luke Mugge, Anthony DeLeonibus, Michael Rees MD, PhD, Jorge Ortiz MD. University of Toledo
College of Medicine and Life Sciences, Toledo, OH

Poster #3:
Challenges in Maintenance of Steroid Free Immunosuppression Protocols in African Americans with Delayed Graft Function.
Sunil Karhadkar MD FACS, Adam Diamond, Ann Dao, Swati Rao, Kwan Lau, Serban Constantinescu and Antonio Di Carlo.
Temple University, Philadelphia, PA.

Slides can be viewed at:
z.umn.edu/transplantimmunosuppression2017
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<td>8:00 a.m.</td>
<td>Increasing Access to Transplantation – Part 1</td>
<td>Meridian Ballroom</td>
<td>William D. Payne, MD (UMN)</td>
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<tr>
<td>8:00 a.m.</td>
<td>The New Allocation System – Successes &amp; Failures</td>
<td></td>
<td>John Friedewald, MD (Northwestern)</td>
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<tr>
<td>8:25 a.m.</td>
<td>Is Priority in Kidney Allocation Ever Justified?</td>
<td></td>
<td>Jesse Schold, PhD (Cleveland Clinic)</td>
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<td>8:45 a.m.</td>
<td>Improving Organ Availability: Normothermic Perfusion?</td>
<td></td>
<td>Srinath Chinnakotla, MD (UMN)</td>
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<tr>
<td>9:05 a.m.</td>
<td>Developing a Culturally Sensitive Transplant Program</td>
<td></td>
<td>Juan Caicedo-Ramirez, MD (Northwestern)</td>
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<td>9:30 – 9:55 a.m.</td>
<td>Panel Discussion</td>
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<td>9:55 a.m.</td>
<td>Break</td>
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<tr>
<td>10:20 a.m.</td>
<td>Increasing Access to Transplantation – Part 2</td>
<td>Meridian Ballroom</td>
<td>Ty Dunn, MD (UMN)</td>
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<tr>
<td>10:20 a.m.</td>
<td>Omission or commission: challenges in unacceptable antigen assignment</td>
<td></td>
<td>Kathryn Tinckam, MD, MMSc, FRCPC (University of Toronto)</td>
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<tr>
<td>10:45 a.m.</td>
<td>Optimizing Kidney Paired Donations – A Program Perspective</td>
<td></td>
<td>Suzanne McGuire, RN, BSN (UCLA)</td>
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<td>11:10 a.m.</td>
<td>The Match Game: KPD modelling to optimize opportunities</td>
<td></td>
<td>Kathryn Tinckam, MD, MMSc, FRCPC (Univ of Toronto)</td>
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<td>11:35 – 12 p.m.</td>
<td>Panel</td>
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<tr>
<td>12:00 p.m.</td>
<td>Lunch</td>
<td>Pinnacle Ballroom</td>
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<tr>
<td>1:00 p.m.</td>
<td>Improving Long-Term Graft Outcomes – Part 1</td>
<td>Meridian Ballroom</td>
<td>Srinath Chinnakotla, MD (UMN)</td>
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<tr>
<td>1:00 p.m.</td>
<td>Timelines and Causes of Graft Failures</td>
<td></td>
<td>Varvara Kirchner, MD (UMN)</td>
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<tr>
<td>1:15 p.m.</td>
<td>Minimizing Short- and Long-Term Death</td>
<td></td>
<td>John S. Gill, MD (UBC)</td>
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<tr>
<td>1:35 p.m.</td>
<td>Long-Term Outcomes in Pediatric Recipients</td>
<td></td>
<td>Blanche Chavers, MD (UMN)</td>
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<tr>
<td>1:55 p.m.</td>
<td>Graft Fibrosis is a Result of New Events</td>
<td></td>
<td>Philip Halloran, MD, PhD (Univ of Alberta)</td>
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<tr>
<td>2:15 p.m.</td>
<td>Changing the paradigm of long-term care of the transplant recipient</td>
<td></td>
<td>Robert Gaston, MD</td>
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</table>
2:35 – 3:00 p.m.  Panel
3:00 p.m.  Break ........................................................ Meridian Foyer

**Improving Long-Term Graft Outcomes – Part 2** ........................................... Meridian Ballroom
Moderator: Daniel Keys, MD (UMN)

3:25 p.m.  Improving medication adherence in young kidney transplant recipients: Results of the TAKE-IT trial
Bethany Foster, MD, MSCE (McGill)

3:45 p.m.  BK Virus ........................................................ Jo-Anne Young, MD (UMN)

4:05 p.m.  Support and Care of the Patient with a Failing Graft
Lara Tushla, MSW (Rush University)

4:25 p.m.  Outcomes after Graft Failure ............ Jesse Schold, PhD (Cleveland Clinic)

4:45 – 5:15 p.m.  Panel Discussion

**FRIDAY, OCTOBER 13**

7:00 a.m.  Registration ......................................................... top of escalators
7:00 a.m.  Breakfast .............................................................. Meridian Foyer

**Antibody-Mediated Rejection** ............................................. Meridian Ballroom
Moderator: Samy Riad, MD, MS (UMN)

8:00 a.m.  Pathology of Antibody Mediated Rejection
Robert Barnes Colvin, MD (MGH)

8:30 a.m.  ABO Incompatible Transplant:
Identification of Candidates and Care of Recipient
Robert Montgomery, MD (NYU)

8:50 a.m.  Development of New Onset DSA – Risk Factors and Natural History
Peter Nickerson, MD, FRCPC (Univ of Manitoba)

9:10 a.m.  Development of New Onset DSA – How I Do It
Roslyn Mannon, MD (UAB)
Robert Montgomery, MD (NYU)
Peter Nickerson MD, FRCPC (University of Manitoba)

9:40 – 10:10 a.m.  Panel
10:10 a.m.  Break .............................................................. Meridian Foyer

Slides can be viewed at:
z.umn.edu/transplantimmunosuppression2017
**Post-Transplant Concerns** ............................. Meridian Ballroom
Moderator: Varvara Kirchner, MD (UMN)

10:30 a.m.  Treatment of Antibody-Mediated Rejection
Robert Montgomery, MD (NYU)

10:55 a.m.  Hepatitis B or C in the Kidney Transplant Candidate
John Lake, MD (UMN)

11:20 a.m.  Recurrent UTIs after Transplantation ..........Jo-Anne Young, MD (UMN)

11:20 – 11:45 a.m.  Panel

11:45 a.m.  Lunch ........................................................... Pinnacle Ballroom

**The Future** ............................................... Meridian Ballroom
Moderator: Erik Finger, MD, PhD (UMN)

12:50 p.m.  Belatacept: a success or a failed drug? ....... Flavio Vincenti, MD (UCSF)

1:15 p.m.  Epitope Matching to Improve Outcomes
Peter Nickerson, MD, FRCPC (Univ of Manitoba)

1:40 p.m.  Tolerance: Where Are We Now? ............... Erik Finger, MD, PhD (UMN)

2:05 p.m.  Break ........................................................ Meridian Foyer

**Precision Medicine & Individualization of Immunosuppression** ............... Meridian Ballroom
Moderator: Arthur Matas, MD (UMN)

2:30 p.m.  From Personalized to Precision Medicine: a path to successfully develop novel drugs... Flavio Vincenti, MD (UCSF)

2:50 p.m.  Pharmacogenomic Advances and Future Directions
Pamala Jacobson, PharmD (UMN)

3:10 p.m.  Non-invasive biomarkers for transplant
John Friedewald, MD (Northwestern)

3:30 p.m.  Finding a Place for Cell Free DNA .............. Roslyn Mannon, MD (UAB)

3:50 p.m.  Precision Medicine and Individualization of Immunosuppression
Peter Nickerson, MD, FRCPC (Univ of Manitoba)

4:10 p.m.  Urinary biomarkers for renal fibrosis and inflammation
Sung Shin, MD (Asan Medical Center, Korea)

4:30 p.m.  Kidney ..............................................Philip Halloran, MD, PhD (Univ of Alberta)

4:50 – 5:20 p.m.  Panel
SATURDAY, OCTOBER 14

7:00 a.m.  Registration ................................................ top of escalators

7:00 a.m.  Breakfast ......................................................... Meridian Foyer

Pancreas and Liver – Part 1 ........................................ Meridian Ballroom
Moderator: Raja Kandaswamy, MD (UMN)

8:15 a.m.  Total Pancreatectomy & Islet Autotransplant –
Indications & Outcomes ........................................... Ty Dunn, MD, MS (UMN)

8:35 a.m.  50 Years of Pancreas Transplantation –
Where We Are and the Path Forward
Raja Kandaswamy, MD (UMN)

8:55 a.m.  Good Livers with Bad Stories .............. Srinath Chinnakotla, MD (UMN)

9:15 – 9:40 a.m.  Panel

9:40 a.m.  Break ......................................................... Meridian Foyer

Pancreas and Liver – Part 2 ........................................ Meridian Ballroom
Moderator: Raja Kandaswamy, MD (UMN)

10:05 a.m.  Liver versus Liver/Kidney: How To Decide .... John Lake, MD (UMN)

10:25 a.m.  Live Liver Donation: Changing Indications
Varvara Kirchner, MD (UMN)

10:45 a.m.  Antibody-mediated Rejection in Liver Transplant
Timucin Taner, MD, PhD (Mayo Clinic)

11:05 – 11:30 a.m.  Panel

Slides can be viewed at: z.umn.edu/transplantimmunosuppression2017
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**Password:** transplant17

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3. Enter above code into field
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+ More accurate than serum creatinine in diagnosis of active rejection
+ Covered by Medicare

Better Surveillance for Better Outcomes

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