

Pediatric Heart Transplant Summit 2017

“Contemporary Challenges and Future Directions”

An exchange of scientific and clinical expertise.



September 17-19, 2017

Bell Harbor International Conference Center
Pier 66, Downtown Seattle

Abstract Submissions by July 14, 2017

Hosted by



GENERAL INFORMATION

Course Description

This 3-day scientific and educational event will be a unique opportunity for the pediatric heart transplant community to come together to learn, exchange ideas, network, and refresh our thinking in a more intimate meeting environment.

The meeting format is designed to foster direct interactions between attendees and faculty. The program content will provide fundamental didactic information, as well as the latest updates in the field of pediatric heart transplantation for practitioners at all levels and varied practice settings. We will also highlight current controversies and spotlight the latest science and innovation that are close to clinical application. Small group breakout sessions will allow further concentration and direct exploration of select topics with direct participation by attendees.

Who Should Attend

- Cardiologists
- Cardiothoracic Surgeons
- Transplant Coordinators
- Transplant Physicians
- Intensivists
- Advanced Practice Providers
- Fellows, Residents, Trainees
- Social Workers
- Transplant Administrators
- Nurses, Pharmacists, Nutritionists, Behavioral Health Specialists

Course Location

Bell Harbor International Conference Center
2211 Alaskan Way, Pier 66

Seattle, WA 98121



Acknowledgements

Special thanks to the following companies/organizations for their support of this education event:

- Medtronic
- MedImmune
- Seattle Children's Hospital
- OTTR
- BloodWorks Northwest
- Transplant Management Group

Parking

The Art Institute parking garage. Map and directions are included at the online registration site.

Lodging (Limited room block at the following hotel. Please make your own reservations.)

The Edgewater: (adjacent to Bell Harbor Conference Center)

- Conference Group Rates (**available through August 27**): \$195/night city side rooms
- Link to Room Block:
<https://gc.synxis.com/rez.aspx?Hotel=29020&Chain=11910&arrive=9/17/2017&depart=9/19/2017&adult=1&child=0&group=21F0Z6>
- If you wish to book a room outside the 9/17/17-9/18/1717 block you will receive a "rate not available message." Please call the hotel directly and you will receive the best rate available for the shoulder nights.

Course Objectives

Participants will be able to assess and utilize best practices to:

- Develop an integrated understanding of the medical and surgical management of the pediatric patient at all phases of the transplant process
- Discuss current controversies and dilemmas
- Assess the perioperative management of complicated and high risk patients
- Understand the clinical pharmacology of transplant drugs
- Develop a better understanding of the clinical immunology and immunogenetics relevant to heart transplantation
- Extrapolate important adult data that can be applied to children
- Assess long-term complications, outcomes, and challenges
- Evaluate adjunctive care and psychosocial issues to improve quality of life
- Develop better multidisciplinary care models including the transition of care to adult programs
- Identify and discuss current bioethical issues



Abstract Submissions: Due July 14, 2017

- Please submit abstracts for evening Poster Session scheduled on September 17.
- Send to: borah.hong@seattlechildrens.org
- Submissions will be reviewed by the planning committee and you will be notified of the outcome by July 21, 2017
- Posters should be no larger than 4' x 6'
- 350 word limit. Original research abstracts should include: Title, Background, Research Design/Methods, Results, and Conclusions. Case report abstracts should include: Introduction, Case Report Details, Discussion and Implications for Future Practice. Quality improvement and program development abstracts should include: Introduction, Purpose, Detailed Summary, and Conclusion.
- Presenters accepted for poster presentation will have registration fee waived.

Course Planners

Yuk Law, MD, Chair
Erin Albers, MD, MSCI
Jonathan Chen, MD
Joshua Friedland-Little, MD
Melina Handley, ARNP
Borah Hong, MD
Pam Hopkins, RN, BSN, CCTC
Jason Hopper Cruz, RN, BSN, CCTC
Mariska Kemna, MD

Kathie Kohorn, CME Co-Manager
Mark Lewin, MD
Sarah Lisinski, RRT, MN, NE-BC
David Michael McMullan, MD
Ndidiamaka Musa, MD
Cathie Rea, MN
Emily Rice, CME Co-Manager
Paul Warner, PhD, BloodWorksNW

Speakers/Moderators

KEYNOTE: Jon Kobashigawa, MD

Associate Director of the Cedars-Sinai Heart Institute, Director of the Advanced Heart Disease Section, Director of the Heart Transplant Program and Professor of Medicine at Cedars-Sinai

KEYNOTE: Lori West, MD, DPhil

Professor of Pediatrics, Director, Canadian National Transplant Research Program and Tier 1 Canada Research Chair in Cardiac Transplantation at the University of Alberta, Edmonton, Canada, and Former President of the International Society of Heart and Lung Transplantation

Iki Adachi, MD

Assistant Professor of Surgery, Division of Congenital Heart Surgery, Baylor College of Medicine; Co-Director, Mechanical Circulatory Support, Texas Children's Hospital

Linda Addonizio, MD

Director, Program for Pediatric Cardiomyopathy, Heart Failure and Transplantation, Columbia University

Erin Albers, MD, MSCI

Pediatric Cardiologist, Transplantation, Seattle Children's Hospital

Christopher Almond, MD

Pediatric Cardiologist, Lucile Packard Children's Hospital Stanford

Dan Bernstein, MD

Pediatric Cardiologist, Alfred Woodley Salter and Mabel Smith Salter Endowed Professor in Pediatrics, Lucile Packard Children's Hospital Stanford

Charles Canter, MD

Lois B. Tuttle and Jeanne B. Hauck Chair in Pediatrics Medical Director, Cardiac Transplant Program, Transplant Center Director, St. Louis Children's Hospital

Jonathan Chen, MD

Chief, Congenital Cardiac Surgery; Co-Director of the Heart Center; Samuel and Althea Stroum Endowed Chair in Pediatric Cardiovascular Surgery, Seattle Children's Hospital

Clifford Chin, MD

Co-Director, Advanced heart Failure and Cardiomyopathy, Cincinnati Children's

Lisa Chin, PhD

Assistant Research Professor, Department of Rehabilitation Science, George Mason University

Richard Chinnock, MD

Pediatrics, Pediatric Heart Transplant, Loma Linda University International Heart Institute

Jason Hopper Cruz, RN, BSN, CCT

Certified Transplant Coordinator, Pediatric Heart Transplant Program, Seattle Children's Hospital

Kate Debiec, MD

Adolescent Medicine, Pediatric and Adolescent Gynecology, Differences in Sex Development, Vascular Anomalies, Seattle Children's Hospital

Melanie Everitt, MD

Director of Pediatric Heart Transplant, Children's Hospital of Colorado

Brian Feingold, MD

Medical Director, Heart Failure and Heart Transplant Programs, Children's Hospital of Pittsburgh

Maricel Floresca, Social Worker

Heart Transplant Clinic, Seattle Children's Hospital

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Pediatric Cardiologist, Seattle Children's Hospital

Borah Hong, MD

Pediatric Cardiologist, Transplantation, Seattle Children's Hospital

Pamela Hopkins, RN

Pediatric Heart Transplant Coordinator, Seattle Children's Hospital

Daphne Hsu, MD

Chief, Division of Pediatric Cardiology; Co-Director, Pediatric Heart Center, Children's Hospital at Montefiore

Annette Jackson, PhD, D(ABHI)

Director, Division of Immunogenetics and Transplantation Immunology, John's Hopkin's Medicine

Jon Kaltman, MD

Branch Chief, Division of Cardiovascular Sciences, NHLBI, NIH

Mariska Kemna, MD

Pediatric Cardiologist, Seattle Children's Hospital

Steven Kindel, MD

Program Director, pediatric Heart Failure and Heart Transplant Program, Children's Hospital of Wisconsin

Richard Kirk, MD

Pediatric Cardiology, UT Southwestern Children's Medical Center

Yuk Law, MD

Medical Director, Cardiac Transplant/Heart Failure Service, Seattle Children's Hospital

Mark Lewin, MD

Division Chief, Cardiology; Co-Director, Heart Center; Director, Prenatal Diagnosis and Treatment Program; Thomas Bradley Armstrong Endowed Chair in Pediatric Cardiology, Seattle Children's Hospital

Mithya Lewis-Newby, MD, MPH

Program Director, Cardiac Critical Care Fellowship, Bioethics, Seattle Children's Hospital

David Magnus, PhD

Thomas A. Raffin Professor in Medicine and Biomedical Ethics, Pediatrics-Center for Biomedical Ethics, Stanford

William Mahle, MD

Chief, Children's Healthcare, Atlanta Sibley Heart Center

Jim McKeever, PhD

Neuropsychology, Psychiatry and Behavioral Health, Seattle Children's Hospital

D. Michael McMullan, MD

Surgical Director, Cardiac Transplant; Director, Mechanical Cardiac Support and ECLS Services, Seattle Children's Hospital

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Pediatric Critical Care, Seattle Children's Hospital

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Elfriede (Elfi) Pahl, MD

Medical Director, Heart Transplant Program, Lurie Children's Hospital of Chicago

Susan Park, CPNP, MSN, CCTC

Heart Transplant Coordinator, Phoenix Children's Hospital

Biagio (Bill) Pietra, MD

Medical Director Pediatric Cardiac Transplant Program, Denver Children's Hospital

Jack Price, MD

Pediatric Cardiovascular Intensive Care Fellowship - Heart Failure/Cardiac Transplant, Baylor College of Medicine

Joseph Rossano, MD, MS, FAAP, FACC

Executive Director of the Cardiac Center and Medical Director of the Pediatric Heart Failure and Transplant Program, Children's Hospital of Philadelphia

Claudia Sassano-Miguel, RD

Registered Clinical Dietician, Seattle Children's Hospital

Kurt Schumacher, MD

Pediatric Cardiology, C.S. Mott Children's Hospital

Robert Shaddy, MD

Chief of the Division of Cardiology, Jennifer Terker Endowed Chair in Pediatric Cardiology, Children's Hospital of Philadelphia

Jon Snyder, PhD

Director of Operations and Senior Epidemiologist for the Scientific Registry of Transplant Recipients (SRTR)

April Stempien-Otero, MD, FACC

Associate Program Director for Research, Cardiology Fellowship, Craig Tall Family Endowed Chair in Heart Failure Research, Attending Physician, University of Washington Medical Center

Paul Warner, PhD

Co-Director and D (ABHI), Immunogenetics/HLA Laboratory, BloodWorks NW

Thor Wagner, MD

Pediatric Infectious Disease, Seattle Children's Hospital

Steven Webber, MBChB, MRCP

James C. Overall Professor and Chair of the Department of Pediatrics, Vanderbilt University

Accreditation

Seattle Children's is accredited by the Washington State Medical Association to provide continuing medical education for physicians.

Seattle Children's designates this live educational activity for a maximum of *15.6 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This activity meets the criteria for up to 15.6 hours of Category I CME credit to satisfy the relicensure requirements of the Washington State Medical Quality Assurance Commission.

Acknowledgements

Special thanks to the following organizations and companies for their unrestricted educational grants in support of this education event: Seattle Children's Hospital; BloodWorks Northwest, Transplant Management Group, OTTR, MedImmune.

PROGRAM AGENDA

Sunday, September 17

- 4:00 pm** **Registration**
- 4:30 pm** **Welcome & Introduction**
Jonathan Chen, MD and Mark Lewin, MD
- Moderators:** Yuk Law, MD; Mariska Kemna, MD
- 4:45 pm** **KEYNOTE: Application of the Knowledge and Innovation from the Adult Population to Pediatric Heart Transplantation**
Jon Kobashigawa, MD
- 5:35 pm** **Q & A**
- 5:45 pm** **Adjourn**
- 6-7:30 pm** **Wine & Cheese Reception; POSTER SESSION (author attended, moderated)**
Moderators: Joshua Friedland-Little, MD; Borah Hong, MD; Jon Kobashigawa, MD

Monday, September 18

- 7:30 am** **Continental Breakfast and Sign-In**
- 8:00 am** **Welcome & Introductions**
Yuk Law, MD
- Moderators:** Paul Warner, PhD; Erin Albers, MD, MSCI
- 8:05 am** **KEYNOTE: B Lymphocytes: The "Lesser Known Evil" of the Immune System and What Clinicians Can Incorporate Into Their Practice**
Lori West, MD, DPhil
- 8:55 am** **Q & A**

Session One: Controversies in the Evaluation and Waitlist Phase

- Moderators:** D. Michael McMullan, MD; Jon Kobashigawa, MD
- 9:10 am** **So What Does Risk as Calculated by the Statistician Really Mean for the Clinician?**
David Naftel, PhD
- 9:35 am** **The Management and Timing of Listing a Failed Fontan Patient for Transplant of the Heart Alone**
Kurt Schumacher, MD
- 10:00 am** **Medical Therapy vs. Mechanical Circulatory Support: When to Ask for a Bail Out?**
Christopher Almond, MD
- 10:25 am** **Medical and Surgical Strategies to Mitigate Risks that Can Affect Waitlist and Post-Transplant Outcome**
Clifford Chin, MD
- 10:50 am** **BREAK (Exhibitors)**

Session Two: Perioperative Management of the Complicated and High Risk Patient

- Moderators:** Jonathan Chen, MD; Ndidiama Musa, MD
- 11:10 am** **Getting Out of Dodge: Decisions in the Operating Room from Ischemic Time, to Size Mismatch, to Repair of Defects at Transplant**
D. Michael McMullan, MD
- 11:30 am** **The Intensivist as a Trapeze Artist: Walking the Tightrope of Graft Recovery, Immunosuppression, and Protecting End Organ Function**
Jack Price, MD

- 11:50 am** **Early Immunosuppression Regimens: To Induce or Not to Induce; Steroid is Dead, Long Live Steroids; Want Hairiness or EBV Infection?**
Brian Feingold, MD
- 12:10 pm** **Methods to Detect Rejection in Children in the First Year: Frequent Biopsy for All or Is It Really More Complicated?**
Daphne Hsu, MD
- 12:30 pm** **LUNCH** (Exhibitors)

Afternoon Breakout Sessions

- 1:10 pm** **Select One:**
- **Understanding Drugs Used in Transplant**
Tom Nemeth, PharmD; Linda Addonizio, MD, Clifford Chin, MD, Borah Hong, MD
 - **Grownup Issues and Transition to an Adult Program**
Jason Cruz, RN, BSN, CCTC, Kate Debiec, MD, April Stempien-Otero, MD, FACC, Jim McKeever, PhD, Maricel Floresca, MSW, Elfriede Pahl, MD
 - **How to be Successful in Doing Research with Registry Data**
Melanie Everitt, MD, David Naftel, PhD, Joshua Friedland-Little, MD, MS, FAAP, FACC, Brian Feingold, MD, D. Michael McMullan, MD, Jon Snyder, PhD
- 2:10 pm** **Select One:**
- **Everything You Always Wanted to Ask About Immunology, ABO-Incompatible Transplant, and the HLA Testing But Were Afraid to Ask**
Paul Warner, PhD, Lori West, MD, DPhil, Erin Albers, MD, MSCI, Annette Jackson, PhD, D(ABHI)
 - **Lifestyle Issues Before and After Transplant: "Wait Local"? Home Milrinone? Inactivate to Travel? Sports? Daycare? Sex, Drugs, and Cold Cuts!**
Pamela Hopkins, RN,BSN, CCTC, Mariska Kemna, MD, Claudia Sassano-Miguel, RD, Dan Bernstein, MD, Susan Park, CPNP, MSN, CCTC, Thor Wagner, MD
 - **Behavioral Health Issues in the Transplant Population: The Role of Child Psychology, Adolescent and Addiction Medicine**
Jim McKeever, PhD, Lisa Chin, PhD, Kate Debiec, MD, Jason Cruz, RN, BSN, CCTC, Borah Hong, MD
- 3:10 pm** **BREAK** (Exhibitors)

Session Three: Long Term Outcome and Its Challenges

Moderators: William Mahle, MD; Joshua Friedland-Little, MD

- 3:30 pm** **What Is the Most Appropriate Life-Long Immunosuppression Regimen in Pediatric Recipients?**
Richard Chinnock, MD
- 3:55 pm** **Options in Treating Recalcitrant, Recurrent, and Hemodynamically Compromised Rejection**
Richard Kirk, MD
- 4:20 pm** **How to Spare the Kidneys Without Compromising the Heart**
Charles Canter, MD
- 4:45 pm** **An Update on Epstein-Barr Virus Infection and the Management of Lymphoproliferative Disease**
Thor Wagner, MD
- 4:10 pm** **How Can We Get Families and Adolescents to "Get with the Program?"**
Elfriede Pahl, MD
- 5:35 pm** **ADJOURN**
- 6:30-9:30** **DINNER CRUISE**

Tuesday, September 19

7:30 am Continental Breakfast and Sign-In

8:00 am Welcome and Announcements
Yuk Law, MD

Session Four: Immunology and Anti-HLA Antibodies in Pediatric Heart Transplantation

Moderators: Robert Shaddy, MD; Lori West, MD, DPhil

8:05 am The Modern Approach to HLA Antibody Testing and Its Clinical Interpretation
Paul Warner, PhD

8:30 am The Clinical-Immunogenetic-Pathological Correlation in Rejection
Erin Albers, MD, MSCI

8:55 am The State of the Art Strategy in Desensitization in Adult and Pediatric Solid Organ Transplantation
Annette Jackson, PhD, D(ABHI)

9:20 am A Synthesis of the Immunological and Clinical Know How to Treating Antibody Mediated Rejection
William Mahle, MD

9:45 am Wait for that Negative Crossmatch or Take the Ball and Run with Treating Early Antibody Mediated Rejection
Steven Webber, MB ChB, MRCP

10:10 am BREAK (Exhibitors)

Session Five: An Update on Cardiac Allograft Vasculopathy

Moderators: Elfriede Pahl, MD; Richard Kirk, MD

10:30 am The Pathophysiology and Natural History of Cardiac Allograft Vasculopathy: Why It Even Exists in Pediatric Recipients?
Yuk Law, MD

10:55 am Diagnosing Cardiac Allograft Vasculopathy from Selective Angiography to Non-Invasive Testing
Mariska Kemna, MD

11:20 am Prevention and Intervention After Diagnosis
Joseph Rossano, MD, MS, FAAP, FACC

11:45 pm Who, When, and Why Should Patients with Cardiac Allograft Vasculopathy Be Listed for Re-Transplantation?
Steven Kindel, MD

12:10 pm LUNCH (Exhibitors)

Session Six: Contemporary Bioethics Topics in Pediatric Heart Transplantation

Moderators: Borah Hong, MD; Richard Chinnock, MD

1:00 pm The Role of the Bioethicist in Pediatric Heart Transplant
Mithya Lewis-Newby, MD, MPH

1:20 pm The Justification for Acceptance/Denial for Transplant from the Bioethics Perspective
David Magnus, PhD

1:40 pm Is Destination Therapy with Ventricular Assist Device Applicable to Children?
Iki Adachi, MD

2:00 pm Where Has Donation After Circulatory Death Gone?
Bill Pietra, MD

2:20 pm PANEL Q & A

2:40 pm BREAK (Exhibitors)

Session Seven: Looking to the Future in Pediatric Heart Transplantation

Moderator: Yuk Law, MD; Jonathan Chen, MD

- 2:55 pm** **The New UNOS Pediatric Heart Allocation Policy: An Example of How Big Data is Applied to Policy-Making**
Jon Snyder, PhD
- 3:20 pm** **An Update on Discovery and Innovation in the Field of Pediatric Heart Transplant**
Steven Webber, MB ChB, MRCP
- 3:45 pm** **PANEL of EXPERTS: The Future of Pediatric Heart Transplantation**
Lori West, MD, DPhil; Steven Webber, MB ChB, MRCP, Dan Bernstein, MD, Christopher Almond, MD, Daphne Hsu, MD, William Mahle, MD, Robert Shaddy, MD, Charles Canter, MD, Jon Kaltman, MD (Skype from NIH)
- 4:30 pm** **WRAP-UP & ADJOURN**
Yuk Law, MD

REGISTRATION

Pediatric Heart Transplant Summit 2017

Course Fee: (includes catering, instructional materials and CME credit):

	<u>Early Rate by 8/17/17</u>	<u>After 8/17/17</u>
Physician General Registration	\$450	\$550
Other Health Professionals and Trainees	\$250	\$350
Saturday Night Dinner Cruise	\$90	\$100
Additional Dinner Guest	\$90	\$100

Online registration ONLY at:

<https://www.regonline.com/PedsHeart2107>

PRE- REGISTRATION REQUIRED by 12 pm PST September 13, 2017. No registration at the door.

Cancellation Policy

Once your registration has been processed, requests for cancellations will be made, minus a \$50 processing fee, up to September 13, 2017. No refunds will be issued after that date.

Questions - Contacts:

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(206) 987-5379

Emily Rice at Emily.Rice@seattlechildrens.org
(206) 987-5379