



UPMC | CHILDREN'S
HOSPITAL OF PITTSBURGH



International Fontan-Kreutzer Symposium

Saturday, June 3, 2023
8:00 a.m. to 9:00 p.m. EST
Pittsburgh, Pennsylvania

University Club
Ballroom B
123 University Place
Pittsburgh, PA 15213

University of Pittsburgh Course Directors:

Anita Saraf, MD, PhD
Assistant Professor of Pediatrics
Heart Institute at UPMC Children's Hospital of Pittsburgh

Tarek Alsaied, MD, FACC, MSc
Assistant Professor of Pediatrics
Heart Institute at UPMC Children's Hospital of Pittsburgh

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Associate Professor of Pediatrics
Director, Adult Congenital Heart Disease Program
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Peter and Ada Rossin Endowed Professor and Chair in Pediatric Cardiology
Division Chief, Pediatric Cardiology
Co-Director, Heart Institute at UPMC Children's Hospital of Pittsburgh

Victor O. Morell, MD
Eugene S. Wiener Endowed Professor and Chair of Pediatric Cardiothoracic Surgery
Surgeon-In-Chief, UPMC Children's Hospital of Pittsburgh
Co-Director, Heart Institute at UPMC Children's Hospital of Pittsburgh
Executive Director, UPMC Heart and Vascular Institute

Invited Faculty:

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University of California San Diego
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Chief, Congenital Heart Surgery
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Alexander Sasha Opotowsky, MD

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Co-Director, Exercise Laboratory
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Lucy Roche, MBChB, MRCPCH, MD

Associate Professor of Medicine
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University Health Network
University of Toronto
Toronto, Canada

Candice Silversides, MD

Professor of Medicine
Chair, Pregnancy and Heart Disease and Director, Cardio-Obstetric Clinic
Miles Nadal Heart Centre at Mount Sinai Hospital
Peter Munk Cardiac Center
Vice President, Canadian Adult Congenital Heart Network
University of Toronto
Toronto, Canada

Introduction:

The International Fontan Symposium will bring world renowned pediatric and adult cardiologists, congenital cardiac surgeons, and adult cardiac and transplant surgeons together for a deep dive into the evolution of management strategies in this complex patient population, including medical therapy, transcatheter interventions, rhythm-management device implantation, surgical intervention, and heart or combined organ transplantation. Emerging technologies and techniques for cardiac imaging in these patients will be explored in depth. Further, lifestyle considerations for patients living with Fontan such as exercise, pregnancy, and mental health will also be discussed.

Learning Objectives:

1. Review the Fontan operation's current long-term outcomes.
2. Identify practices to improve the long-term outcomes including exercise, screening for end-organ disease, improving neurodevelopment practices, resilience, and family planning.
3. Identify strategies for the management of Fontan circulatory failure and timing of more invasive therapies.
4. Explore end-of-life issues and managing tough decisions post-Fontan.

Emerging Fontan circulation and heart failure/transplantation clinical, translational, and basic science research will be featured in an abstract poster session contest.

Target Audience:

This course is designed for pediatric and adult cardiologist, congenital cardiac surgeons, adult cardiac surgeons, trainees, heart failure specialists, advanced practice providers, nurses, perfusionists, researchers, data professionals, healthcare administrators, non-profit professionals, medical students, and any other interested member of the heart care team.

Program Agenda

8:00—8:10am

Welcome and Introduction

Anita Saraf, MD, PhD; Tarek Alsaied, MD; Arvind Hoskoppal, MD

International Fontan Symposium Keynote Address:

8:10—8:45am:

Evolution of the Fontan-Kreutzer Circulation: Past and Current Challenges

Jacqueline Kreutzer, MD

Session I:

Living with Fontan Circulation: Celebrating Success and Timing for Intervention

Moderators:

Anita Saraf, MD, PhD; Bryan H. Goldstein, MD; Tarek Alsaied, MD

8:45—9:00am:

Resilience and Optimizing Mental Health Post-Fontan

Lauren Lorenzi, PhD

- 9:00—9:15am:** **Pregnancy in Fontan**
Candice Silversides, MD
- 9:15—9:30am:** **Exercise in Fontan**
Alexander Sasha Opotowsky, MD
- 9:30—9:45am:** **Panel Discussion**
- 9:45—10:00am:** *Morning Exhibit and Scientific Poster Viewing Break*
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- Session II:** **Screening and Interventions During the Lifespan of a Fontan**
Moderators: Jackie Kreutzer, MD; Lizabeth Lanford, MD; Gaurav Arora, MD
- 10:00—10:15am:** **Approaches to Fontan Management Program**
Arvind Hoskoppal, MD
- 10:15—10:30am:** **Advances in Imaging Post Fontan**
Tarek Alsaied, MD
- 10:30—10:45am:** **Electrophysiology Considerations in Fontan Management**
Christopher Follansbee, MD
- 10:45—11:00am:** **Catheterization Strategies for Fontan Management**
Bryan H. Goldstein, MD
- 11:00—11:15am:** **Future Structural Heart Interventions in the Fontan Patient**
Laith Alshawabkeh, MD
- 11:15—11:30am:** **Fontan Associated Liver Disease**
Shahid Malik, MD
- 11:30—11:45:** **Panel Discussion**
- 11:45—1:00pm:** *Exhibit, Scientific Poster Viewing, and Networking Luncheon*
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- Session III:** **Managing Heart Failure in Fontan and Timing For Replacement Therapy**
Moderators: Shawn West, MD; Kirsten Rose Felker, MD
- 1:00—1:15pm:** **Medications in the Symptomatic Fontan Patient**
Anita Saraf, MD, PhD
- 1:15—1:30pm:** **Inotropy, Ventricular Assist Device, and Mechanical Circulatory Support**
Matthew Zinn, MD
- 1:30—1:45pm:** **Post-Transplant Management and Planning in Fontan**
Brian Feingold, MD
- 1:45—2:00pm:** **CICU Management Tips Post-Heart and Post-Heart/Liver Transplant**
Rod Ghassemzadeh, MD

- 2:00—2:20pm:** **How to Refer to Transplant at the Right Time**
Edward Hickey, MD
- 2:20—2:35pm:** **Living with a Fontan Operation Patient Perspective**
Daniel Warzinski
- 2:35—2:50pm:** **Panel Discussion**
- 2:50—3:15pm:** *Afternoon Exhibit and Scientific Poster Viewing Break*
- Session IV:** **Heart and Heart/Liver Transplantation: Medical and Surgical Considerations**
- Moderators:* *Brian Feingold, MD; Veena Venkat, MD*
- 3:15—3:20pm:** **Case Presentation:**
Heart Single Organ Transplant vs. Heart/Liver Combined Organ Transplant
Natasha Wolfe, MD
- 3:20—3:45pm:** **Heart Single Organ Transplant vs. Heart/Liver Combined Organ Transplant**
Lucy Roche, MBChB, MRCPCH, MD
- 3:45—4:15pm:** **Surgical Considerations to Transplant**
David J. Kaczorowski, MD
- 4:15—4:35pm:** **Novel Alternatives to Transplant: Biventricular and One-and-a-Half Conversion**
Victor O. Morell, MD
- 4:35—5:00pm:** **Lymphatics in Fontan: Commandeering the “Other” Vasculature**
Christian Kreutzer, MD
- 5:00—5:15pm:** **Panel Discussion**
- 5:15—5:30pm:** **Research Highlights in the Fontan**
- 5:30—5:45pm:** **Closing Remarks**
Victor O. Morell, MD and Jackie Kreutzer, MD
- 5:45—9:00pm:** **International Fontan Symposium Reception and Dinner**

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Alexander Sasha Opotowsky, MD: Other: Independent Data Monitoring Committee for Janssen Pharma

Jacqueline Kreutzer, MD, FACC, FSCAI: Grant/Research Support: Medtronic

Jacqueline Kreutzer, MD, FACC, FSCAI: Grant/Research Support: Edwards Lifesciences

David Kaczorowski, MD: Consultant: Abiomed

David Kaczorowski, MD: Consultant: Medtronic

David Kaczorowski, MD: CE Speakers' Bureau: Abiomed

David Kaczorowski, MD: Other: Intellectual Property, Ecmotec LLC

Tarek Alsaied, MD: Grant/Research Support: Grant Support for the FORCE registry

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Bryan Goldstein, MD: Consultant: PECA Labs

Bryan Goldstein, MD: Consultant: Mezzion Pharma

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Brian Feingold, MD: Grant/Research Support: Sub-award US DOD (Teammate trial)

Brian Feingold, MD: Consultant: Stealth Therapeutics

Brian Feingold, MD: Consultant: Enzyvant

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