



David Geffen  
School of Medicine

**The Ahmanson/UCLA Adult Congenital  
Heart Disease Center presents**

# **New Frontiers for the Fontan Survivor**

**Challenges, Opportunities and the  
Ultimate Destination of  
Heart/Liver Transplantation**

**Saturday, September 21, 2019**

**UCLA Meyer & Renee Luskin Conference Center  
425 Westwood Plaza  
Los Angeles, CA**

## SYMPOSIUM DESCRIPTION

This one-day symposium provides a comprehensive update on the long-term issues faced by adult Fontan survivors. The course focuses on patients with “failing” Fontan physiology and the available tools and therapies for the treatment of this challenging subset of patients, including updates on medical therapies, catheter-based and surgical techniques for palliation and support. The ultimate therapeutic options of orthotopic heart and multi-organ transplantation are covered in detail as the need grows in this aging Fontan population. The target audience includes adult and pediatric congenital cardiologists, congenital and transplant cardiac surgeons, heart failure/transplant specialists, hepatologists, liver transplant surgeons, cardiac intensivists, cardiology and cardiac surgery trainees, cardiac nurses, nurse practitioners and physician assistants.

## SYMPOSIUM OBJECTIVES

At the completion of this program, attendees should be able to:

- Define the “failing” Fontan patient
- Utilize evidence-based medical therapies for treatment and surveillance of the Fontan survivor
- Diagnose Fontan associated liver disease
- Refer appropriate Fontan patients for catheter-based mechanical and electrical interventions
- Identify the role and the limitations of Fontan conversion surgery
- Identify Fontan patients that may benefit from transplantation or mechanical support
- Describe the short- and intermediate-term outcomes of single and multi-organ transplantation in Fontan patients

## DAVID GEFFEN SCHOOL OF MEDICINE FACULTY

### COURSE DIRECTORS

**Jamil Aboulhosn, MD**

Professor of Clinical Medicine and Pediatrics  
Director, Ahmanson/UCLA Adult Congenital Heart Disease Center

**Fady Kaldas, MD**

Associate Professor of Surgery  
Associate Director, Multi-Organ Transplantation & Hepatobiliary Surgery Fellowship Program  
Director, Liver Transplantation Service  
Ronald Reagan UCLA Medical Center

**Jeannette Lin, MD**

Associate Clinical Professor of Medicine  
Director, ACHD Fellowship Program  
Ahmanson/UCLA Adult Congenital Heart Disease Center

**Ali Nsair, MD**

Associate Clinical Professor of Medicine  
Medical Director, Heart Transplantation and Mechanical Circulatory Support Device Services  
Ronald Reagan UCLA Medical Center

**Leigh Reardon, MD**

Assistant Clinical Professor of Medicine and Pediatrics  
Pediatric Heart Failure and Heart Transplantation  
Director, Transitional Cardiac Care and Pediatric Mechanical Support  
Ahmanson/UCLA Adult Congenital Heart Disease Center

### COURSE FACULTY

**Arnold S. Baas, MD**

Professor of Medicine  
Cardiomyopathy, Heart Transplant and Mechanical Circulatory Support  
Ronald Reagan UCLA Medical Center

**Reshma Biniwale, MD**

Associate Clinical Professor of Surgery  
Cardiothoracic Surgery  
UCLA Division of Cardiothoracic Surgery  
Ronald Reagan UCLA Medical Center

**Paul Clift, MD**

Consult Cardiologist  
University Hospital Birmingham  
National Cardiovascular Specialty Lead  
National Institute for Health Research Clinic Research Network

**Daniel Cruz, MD, PhD**

Associate Clinical Professor of Medicine  
Cardiomyopathy, Heart Transplant and Mechanical Circulatory Support  
Ronald Reagan UCLA Medical Center

**Eugene DePasquale, MD**

Assistant Clinical Professor of Medicine  
Cardiomyopathy, Heart Transplant and Mechanical Circulatory Support  
Ronald Reagan UCLA Medical Center

**Ben Kratzert, MD**

Assistant Clinical Professor of Anesthesiology  
Cardiac Anesthesiology  
Ronald Reagan UCLA Medical Center

**Hillel Laks, MD**

Chancellors Professor of Surgery  
Emeritus Chief, Cardiothoracic Surgery  
Ronald Reagan UCLA Medical Center  
Mattel Children's Hospital, UCLA

**Daniel Levi, MD**

Professor of Pediatrics  
Director, Cardiac Catheterization Laboratory  
Mattel Children's Hospital, UCLA

**Genian Lluri, MD, PhD**

Assistant Clinical Professor of Medicine  
Ahmanson/UCLA Adult Congenital Heart Disease Center

**Jeremy Moore, MD**

Associate Professor of Pediatrics  
Director, ACHD Electrophysiology  
Ahmanson/UCLA Adult Congenital Heart Disease Center

**Ashley Prosper, MD**

Assistant Clinical Professor of Radiology  
Ronald Reagan UCLA Medical Center  
Mattel Children's Hospital, UCLA

**Kevin Shannon, MD**

Professor of Pediatrics  
Mattel Children's Hospital, UCLA

**Adam Small, MD**

Adult Congenital Heart Disease Fellow  
Ahmanson/UCLA Adult Congenital Heart Disease Center

**Weiyi Tan, MD**

Adult Congenital Heart Disease Fellow  
Ahmanson/UCLA Adult Congenital Heart Disease Center

**Glen Van Arsdell, MD**

Professor and Chief of Congenital Cardiac Surgery  
Ronald Reagan UCLA Medical Center  
Mattel Children's Hospital, UCLA

**Robert S. Venick, MD**

Associate Professor of Pediatrics and Surgery  
Director of Pediatric Liver and Intestinal Transplant Services  
Mattel Children's Hospital, UCLA

**Christopher L. Wray, MD**

Professor of Anesthesiology  
Liver Transplant Anesthesiology  
Ronald Reagan UCLA Medical Center

# Program

- 7:30 **Continental Breakfast**
- 8:00 **Introduction and Welcome**  
*Jamil Aboulhosn, MD*
- Session 1: Care for the “Stable” Fontan Survivor**
- Moderators: Gentian Lluri, MD, PhD and Jeannette Lin, MD*
- 8:05 **Growing Up with a Fontan**  
*Leigh Reardon, MD*
- 8:20 **Medical Therapies**  
*Gentian Lluri, MD, PhD*
- 8:35 **The Role of Echocardiographic Imaging and Exercise Testing**  
*Jeannette Lin, MD*
- 8:50 **The Role of Cardiac Catheterization**  
*Jamil Aboulhosn, MD*
- 9:05 **The Role of MRI and CT Imaging**  
*Ashley Prosper, MD*
- 9:20 **Fontan Associated Liver Disease**  
*Robert S. Venick, MD*
- 9:35 **Case Presentation and Overview of UCLA Fontan Survivorship Protocol for the Stable Outpatient**  
*Adam Small, MD*
- 9:50 **Question & Answer**
- 10:05 **Coffee Break**
- Session 2: Care for the “Unstable” Fontan Survivor**
- Moderators: Kevin Shannon, MD and Jamil Aboulhosn, MD*
- 10:20 **How Do We Define a “Failing” Fontan?**  
*Paul Clift, MD*
- 10:40 **Electrical Interventions for the Failing Fontan**  
*Jeremy Moore, MD*
- 10:55 **Catheter-Based Interventions for the Failing Fontan**  
*Daniel Levi, MD*
- 11:10 **Fontan Conversion Surgery– When/ How To Do It and When Not To Do It**  
*Hillel Laks, MD*
- 11:25 **Case Presentation of an “Unstable” Fontan Survivor**  
*Weiyi Tan, MD*
- 11:40 **Question & Answer**
- 12:00 **Lunch**

- Session 3: Evaluation for Transplant and Mechanical Support**
- Moderators: Leigh Reardon, MD and Ali Nsair, MD*
- 1:00 **OHT/OLT/MCS Evaluation Process**  
*Arnold S. Baas, MD*
- 1:15 **Update on UNOS Organ Allocation**  
*Eugene DePasquale, MD*
- 1:30 **Multi-Disciplinary Operative Planning**  
*Jeannette Lin, MD*
- 1:45 **Management and Optimization of the Patient Awaiting Transplant**  
*Daniel Cruz, MD, PhD*
- 2:00 **Mechanical Support Considerations**  
*Leigh Reardon, MD*
- 2:15 **Case Presentation and Overview of the UCLA Fontan Protocol for Patients Awaiting Transplant**  
*Gentian Lluri, MD, PhD*
- 2:30 **Question & Answer**
- 2:45 **Coffee Break**
- Session 4: Orthotopic Heart and Liver Transplantation for the Failing Fontan**
- Moderators: Glen Van Arsdell, MD and Fady Kaldas, MD*
- 3:00 **Challenges and Considerations of OHT in the Failing Fontan**  
*Reshma Biniwale, MD*
- 3:15 **Challenges and Considerations of Combined OHT/OLT**  
*Fady Kaldas, MD*
- 3:30 **Intraoperative Management of OHT/OLT**  
*Christopher L. Wray, MD*
- 3:45 **Peri- and Post-Operative ICU Care**  
*Ben Kratzert, MD*
- 4:00 **Intermediate and Long-Term Post-Transplant Management**  
*Ali Nsair, MD*
- 4:15 **Overview of UCLA Fontan Heart and Heart/Liver Transplant Outcomes and Patient Story**  
*Leigh Reardon, MD*
- 4:30 **KEYNOTE LECTURE**  
*Glen Van Arsdell, MD*
- The Fontan Operation: What We Have Learned and Where We Are Going**
- 5:15 **Closing Remarks**  
*Jeannette Lin, MD*
- 5:20 **Adjourn – Reception**  
*Hosted by Faculty*

# General Information

## Registration Fees

- \$150 Physicians
- \$95 Nurses and Allied Health Professionals
- \$75 Fellows/Residents

## Refunds

Cancellations must be received in writing by Friday, August, 16, 2019 and will be subject to a \$25 processing fee. No refunds will be granted after that date. If, for any reason, the course must be cancelled, discontinued, or rescheduled by the Office of Continuing Medical Education, a full refund will be provided.

## Enrollment

### By Mail

Use the form attached. Mail to the UCLA Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, New Frontiers for the Fontan Survivor, 10920 Wilshire Blvd., Ste. 1060, Los Angeles, CA 90024-6512

### Online

Go to [www.cme.ucla.edu/courses](http://www.cme.ucla.edu/courses), click on New Frontiers for the Fontan Survivor: Challenges, Opportunities, and the Ultimate Destination of Heart/Liver Transplantation, and click on the registration information section. You may use your MasterCard, VISA, American Express or Discover card to register online.

### By Phone

Use your American Express, MasterCard, VISA or Discover card.  
Call (310) 794-2620.

### By FAX

Send the completed enrollment form with credit card information and authorizing signature.  
Fax (310) 794-2624.

## Conference Locations

**Saturday, September 21, 2019**

### UCLA Meyer & Renee Luskin Conference Center

425 Westwood Plaza  
Los Angeles, CA 90095  
855-522-8252

[www.luskinconferencecenter.ucla.edu](http://www.luskinconferencecenter.ucla.edu)

### Luskin Conference Center

The Luskin Conference Center features 254 beautifully-appointed guest rooms, many with sweeping views of the stunning campus architecture and beautifully landscaped grounds. The gracious guest experience at the Luskin Conference Center is further enhanced by a full-service restaurant and lounge, on-site professional catering services, well-equipped fitness center, concierge service, business center, and free Wi-Fi throughout the property.

## Directions and Parking

From the 405 freeway, exit Wilshire Blvd., East toward Westwood. Turn left on Westwood Blvd., travel past Charles E. Young Dr. South and turn left on Structure 8 driveway. Drive up the ramp to the rooftop level to park. Pay per plate at the kiosk and display the parking permit on your dash. All day parking is \$12.00.

Walk down one level and across pedestrian walkway toward Luskin Conference Center. Enter through Luskin Conference Center doors on right side.

## Accreditation

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA designates this live activity for a maximum of 7.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California State Board of Registered Nursing accepts courses approved by the AMA for category 1 credit as meeting the continuing education requirements for license renewal. Nurses from states other than California should inquire with their local State Board for specific continuing education policies.

## Disclosure Statement

The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is “truly independent” and free of commercial influence. In addition to independence, the FDA requires that nonpromotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program’s participants. In addition, Accreditation Council for Continuing Medical Education policy mandates that the provider adequately manages all identified potential conflicts of interest prior to the program. We at UCLA fully endorse the letter and spirit of these concepts.

# New Frontiers for the Fontan Survivor: Challenges, Opportunities, and the Ultimate Destination of Heart/Liver Transplantation

September 21, 2019

Mail Application for Enrollment

Course Title and Number	Amount
<b>New Frontiers for the Fontan Survivor: Challenges, Opportunities, and the Ultimate Destination of Heart/Liver Transplantation</b>	M190-12
Registration Fees: <input type="checkbox"/> \$150 Physicians <input type="checkbox"/> \$95 Nurses and Allied Health Professionals <input type="checkbox"/> \$75 Fellows/Residents	

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New Frontiers for the Fontan Survivor: Challenges, Opportunities, and the Ultimate Destination of  
Heart/Liver Transplantation, 10920 Wilshire Blvd., Suite 1060, Los Angeles, CA 90024-6512.

**UCLA Office of Continuing Medical Education**  
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