

*NewYork-Presbyterian/Columbia University Irving Medical Center
Vivian and Seymour Milstein Family Heart Center
New York City*

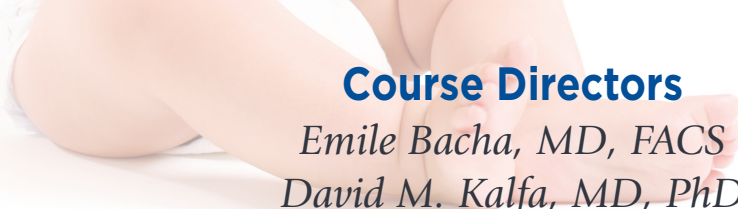


2nd Columbia Pediatric Heart Valve Symposium: *From Bench to Bedside*

*Presented by the
Columbia Pediatric Heart Valve Center*



Tuesday, April 30, 2019 – Wednesday, May 1, 2019



Course Directors

Emile Bacha, MD, FACS

David M. Kalfa, MD, PhD

Alejandro J. Torres, MD

Julie A. Vincent, MD, FACC, FSCAI, FAAP

Overall Goals

The 2nd Columbia Pediatric Heart Valve Symposium: From Bench to Bedside is an Annual Cardiovascular Therapy Course focusing on medical and surgical management of congenital heart valve disease, hosted by NewYork-Presbyterian/Columbia University Irving Medical Center. This program represents a unique multidisciplinary collaboration between congenital and pediatric cardiac surgeons, adult congenital cardiologists, pediatric cardiologists, pediatric interventional cardiologists, and heart valve scientists, allowing for a truly comprehensive approach to the management of children and adults with congenital heart valve malformations. This one and a half-day course will further educate on the surgical and interventional management of patients with congenital heart valve malformations. Lectures will be given by internationally recognized experts who will review standard and emerging treatments for patients with congenital heart valve malformations, address the newest and most innovative therapies and review clinical, basic science and translational research programs, exploring cutting-edge and disruptive concepts to develop new valve devices. Such collaboration will ultimately improve care in children and adults with congenital heart valve malformations, thanks to a constant dialogue and works from bench to bed and back from bed to bench. Didactic sessions, case presentations and interactive discussions will engender learning and improvement in the management of patients with the full spectrum of congenital heart valve malformations.

Learning Objectives

- Describe the outcomes of established and new surgical procedures and transcatheter therapies for treatment of congenital heart valve diseases
- Explain the current imaging modalities and indications to follow and treat congenital heart valve diseases
- Discuss the most recent advances in basic science research and translational research related to congenital heart valve diseases

Target Audience

This activity is designed for pediatric congenital cardiac surgeons, pediatric cardiologists, adult congenital cardiologists, pediatric interventional cardiologists, general pediatricians, intensivists, RNs, NPs, PAs and other medical professionals involved in the evaluation, diagnosis and/or management of patients with congenital heart disease.

Accreditation Statement

In support of improving patient care, this activity has been planned and implemented by Columbia University Department of Surgery and Amedco LLC. Amedco LLC is jointly accredited by the American 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 Statement



PHYSICIANS

Amedco designates this live activity for a maximum of 10.00 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

PHYSICIAN ASSISTANTS

AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credits™* from organizations accredited by ACCME or a recognized state medical society. PAs may receive a maximum of 10.00 *AMA PRA Category 1 Credits™* for completing this activity.

NURSE PRACTITIONERS

The American Academy of Nurse Practitioners Certification Board (AANPCB) recognizes the Accreditation Council for Continuing Medical Education (ACCME) and the American Nurses Credentialing Center (ANCC) as approved accreditors and allow reciprocity for AANPCP continuing education credit.

Satisfactory Completion

Learners must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. If you are seeking continuing education credit for a specialty not listed above, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

Support

We expect support for this program through grants from medical device and pharmaceutical companies.

Program Agenda

Tuesday, April 30, 2019

6:00pm – 7:00pm Cocktail Reception

7:00pm – 9:00pm Dinner & Surgical & Transcatheter
Case Presentations

Wednesday, May 1, 2019

7:00am – 7:50am Registration, Breakfast & Vendor Exhibits

7:50am – 8:00am Welcome & Introduction
Julie A. Vincent, MD, FACC, FSCAI, FAAP

Session 1: General Cardiology and Imaging

Moderators: Stéphanie Levasseur, MD, FRCPC & Rebecca T. Hahn, MD

8:00am – 8:20am 2D Echo Imaging
Stéphanie Levasseur, MD, FRCPC

8:20am – 8:40am 3D Echo Imaging
Rebecca T. Hahn, MD

8:40am – 9:00am Valve Evaluation Using MRI, CT and
Multidimensional Imaging
Kanwal M. Farooqi, MD

9:00am – 9:20am Fetal Imaging
Lindsay R. Freud, MD, FASE

9:20am – 9:40am Postoperative Management after Heart
Valve Surgery
Eva W. Cheung, MD

9:40am – 9:50am Panel Discussion

9:50am – 10:10am Break & Vendor Exhibits

Session 2: Transcatheter Interventions for Congenital Heart Valves

Moderators: Evan Zahn, MD, FACC, FSCAI & Julie A. Vincent, MD, FACC, FSCAI, FAAP

- 10:10am – 10:30am Indications for Intervention
Mariel E. Turner, MD, FAAP, FACC, FSCAI
- 10:30am – 10:50am Differences and Outcomes of Transcatheter Pulmonary Valves
Alejandro J. Torres, MD
- 10:50am – 11:10am Long-term Complications after Transcatheter Pulmonary Valves
Ralf J. Holzer, MD, MSc, FACC, FSCAI
- 11:10am – 11:40am Keynote Lecture: Update on Transcatheter Interventions for Native RVOT
Evan Zahn, MD, FACC, FSCAI
- 11:40am – 12:00pm Transcatheter Valves Outside the USA
Matthew A. Crystal, MD
- 12:00pm – 12:20pm Transcatheter Valve Implantation in the Tricuspid and Mitral Valve Position
Tamim M. Nazif, MD
- 12:20pm – 12:30pm Panel Discussion
- 12:30pm – 1:30pm Lunch & Vendor Exhibits

Session 3: Surgery for Congenital Aortic and Pulmonary Valve Diseases

Moderators: Emile Bacha, MD, FACS & David M. Kalfa, MD, PhD

- 1:30pm – 1:50pm Ross and Ozaki: Concepts, Indications and Outcomes
David M. Kalfa, MD, PhD
- 1:50pm – 2:20pm Keynote Lecture: What Can a Mechanical Engineer Bring to a Surgeon to Improve the Duration of an Aortic Valve Repair?
Peter E. Hammer, PhD

2:20pm – 2:40pm What Can an Adult Aortic Valve Interventionalist Bring to the Pediatric Community to Treat Children and Adult Congenital with Aortic Valve Malformations?
Susheel K. Kodali, MD

2:40pm – 3:10pm Congenital Pulmonary Valve:
To Spare or Not to Spare That is the Question
Emile Bacha, MD, FACS

3:10pm – 3:20pm Panel Discussion

3:20pm – 3:40pm Break & Vendor Exhibits

Session 4: Surgery for Congenital Atrio-ventricular Valve Diseases

Moderators: Paul J. Chai, MD & Damien J. LaPar, MD, MSc

3:40pm – 4:00pm Mechanical Mitral Valve Replacement: Outcomes in the Current Era
Damien J. LaPar, MD, MSc

4:00pm – 4:30pm Update on the Outcomes of the Melody Valve Implanted in the Mitral Position
David M. Kalfa, MD, PhD & Matthew A. Crystal, MD

4:30pm – 4:50pm Development of a New Device for Mitral Regurgitant Clefts and Commissures in Children
Peter E. Hammer, PhD

4:50pm – 5:10pm Ebstein Disease: Which Patient is a Good Candidate for a Cone Repair?
Emile Bacha, MD, FACS

5:10pm – 5:30pm Polymeric Heart Valves: Past, Present and Future
Jeffrey W. Kysar, PhD & David M. Kalfa, MD, PhD

5:30pm – 5:40pm Panel Discussion

5:40pm – 5:45pm Closing Remarks

NewYork-Presbyterian/Morgan Stanley Children's Hospital & Columbia University Vagelos College of Physicians and Surgeons

Course Directors

Emile Bacha, MD, FACS

Roth Salzhauer Family Professor of Surgery
Chief, Division of Cardiac, Thoracic, and Vascular Surgery
NewYork-Presbyterian/Columbia University Irving Medical Center
Director, Pediatric and Congenital Cardiac Surgery
Combined Morgan Stanley Children's Hospital - Komansky Weill-Cornell Program

David M. Kalfa, MD, PhD

Assistant Professor of Surgery
Section of Pediatric & Congenital Cardiac Surgery
Director, Pediatric Heart Valve Center
Director, Pediatric Heart Valve Research Lab

Alejandro J. Torres, MD

Associate Professor of Pediatrics at CUIMC
Director, Pediatric Catheterization Laboratory
NewYork-Presbyterian, Morgan Stanley Children's Hospital

Julie A. Vincent, MD, FACC, FSCAI, FAAP

Welton M Gersony Professor of Pediatric Cardiology
Department of Pediatrics
Columbia University, Vagelos College of Physicians & Surgeons
Alexandra and Steven Cohen Chief of Pediatric Cardiology
NewYork-Presbyterian, Morgan Stanley Children's Hospital

Guest Faculty

Peter E. Hammer, PhD

Staff Scientist, Department of Cardiac Surgery, Boston Children's Hospital
Instructor in Surgery, Harvard Medical School
Boston, MA

Ralf J. Holzer, MD, MSc, FACC, FSCAI

David Wallace – Starr Foundation
Professor of Pediatric Cardiology
Chief, Division of Pediatric Cardiology
Weill Cornell Medicine
Director, Pediatric Cardiac Catheterization
NewYork-Presbyterian Komansky Children's Hospital
New York, NY

Evan Zahn, MD, FACC, FSCAI

Professor, Pediatrics
Director, Guerin Family Congenital Heart Program
Smidt Heart Institute and the Department of Pediatrics
Cedars Sinai Medical Center
Los Angeles, CA

NewYork-Presbyterian/Morgan Stanley Children's Hospital & Columbia University Vagelos College of Physicians and Surgeons

Faculty

Paul J. Chai, MD

Associate Professor of Surgery at CUIMC
Director, Pediatric Heart Transplantation and
Mechanical Assist Device Services
Director, Congenital Heart Surgery Services
Weill Cornell Medical Center

Eva W. Cheung, MD

Assistant Professor of Pediatrics at CUIMC
Medical Director, Pediatric ECMO

Matthew A. Crystal, MD

Pediatric Cardiology, Cardiac Catheterization
Laboratory
Associate Professor
Columbia University Irving Medical Center

Kanwal M. Farooqi, MD

Assistant Professor of Pediatrics
Director, Cardiac 3D Printing
Division of Pediatric Cardiology

Lindsay R. Freud, MD, FASE

Assistant Professor of Pediatrics at CUIMC

Rebecca T. Hahn, MD

Professor of Medicine at CUIMC
Director of Interventional Echocardiography

Susheel K. Kodali, MD

Associate Professor in Medicine at CUIMC
Director of the Structural Heart & Valve Center
NewYork-Presbyterian/
Columbia University Irving Medical Center
Director of the Interventional Cardiology
Fellowship Program

Jeffrey W. Kysar, PhD

Chair, Department of Mechanical Engineering
Professor of Mechanical Engineering and of
Otolaryngology - Head & Neck Surgery
Columbia University

Damien J. LaPar, MD, MSc

Assistant Professor of Surgery at CUIMC

Stéphanie Levasseur, MD, FRCPC

Assistant Professor of Pediatrics at CUIMC
Director, Pediatric Non-Invasive Imaging
Director, Fetal Cardiology

Tamim M. Nazif, MD

Assistant Professor of Medicine
Director of Research
The Center for Interventional Vascular Therapy
Director of Clinical Services
The Columbia Heart Valve Center

Mariel E. Turner, MD, FAAP, FACC, FSCAI

Assistant Professor of Pediatrics at CUIMC



Meeting Location

NewYork-Presbyterian/Columbia University Irving Medical Center
Vivian and Seymour Milstein Family Heart Center
173 Fort Washington Avenue, First Floor
New York, NY 10032

Transportation

Subway: Take the A or C lines to 168th Street – Washington Heights/Broadway.

Parking: Parking is available at the NewYork-Presbyterian/Columbia University Irving Medical Center parking garage, located on the southwest corner of Fort Washington Avenue and West 165th Street. Parking fee is NOT included with registration.

Valet parking is available at the entrance of the Milstein Hospital Building located at 177 Fort Washington Avenue.

Hotels

For a listing of local area hotels, visit www.ColumbiaSurgeryCME.org and select [2nd Columbia Pediatric Heart Valve Symposium](#).

Course Organizers

Hearan Choo, MD

Director of CME
Columbia University Irving Medical Center
Department of Surgery, CME Office

Jessica Mead

Director of Special Events
Columbia University Irving Medical Center
Department of Surgery, CME Office
Phone: 212.304.7817
Email: jas2134@cumc.columbia.edu

Registration Categories & Fees

TUESDAY DINNER AND CASE PRESENTATIONS 6pm–9pm

Free - Registration is limited. Early registration is highly encouraged.

WEDNESDAY REGISTRATION

NYP Affiliates

Free - MD, DO, PhD

Free - RN, NP, PA

Free - Residents & Fellows

Free - Students

Non-NYP Affiliates

\$40 - MD, DO, PhD

Free - RN, NP, PA

Free - Residents & Fellows

Free - Students

How to Register

ONLINE:

To make an online credit card payment please visit:
www.ColumbiaSurgeryCME.org.

For security purposes, credit card payments cannot be accepted in the mail or by phone. American Express, Discover, MasterCard and Visa only.

BY MAIL:

Complete the registration form and mail together with full payment to:
Columbia University Irving Medical Center
Department of Surgery, CME Office
Attention: Jessica Mead
400 Kelby Street, 9th Floor
Fort Lee, NJ 07024

Enclose a check or money order made payable to:
Columbia University Department of Surgery/2nd Pediatric Heart Valve
Symposium. Checks must be in U.S. dollars drawn on a U.S. bank.



Registration

Please register me for the continuing medical education program entitled:

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- ☐ \$40 - MD, DO, PhD
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- ☐ Free - Students

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First Name	M.I.	Last Name	Degree(s)
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Company/Institution

Address

City	State	Zip
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Daytime Phone	Daytime Fax
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E-mail (required for confirmation purposes)

Specialty

Special Needs (specify accommodations needed)

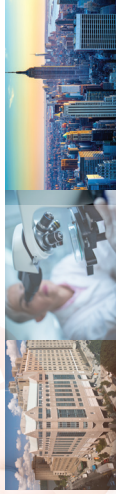
Attendee Signature	Date
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PLEASE NOTE: Registration is limited and will be handled on a first-come, first-served basis. Telephone registrations and/or cancellations cannot be accepted. Refund of registration fee, less a \$25 administrative charge, will be made if written notice of cancellation is received by April 16, 2019. Unfortunately, no refunds can be made thereafter.

Columbia University Irving Medical Center
Department of Surgery, CME Office
400 Kelby Street, 9th Floor
Fort Lee, New Jersey 07024

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**Register online:
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10.00 AMA PRA Category 1 Credits™