

Continuing Education Credit Information

Course Description

Due to advances in medical and surgical therapies for patients with congenital heart disease (CHD), children and adolescents with CHD have over a 90% survival rate. As a result, the number of adults with CHD in the United States has now surpassed the number of children with these conditions. This two-day program offers physicians and other healthcare providers a comprehensive review of the evaluation, diagnosis and management of adult congenital heart disease (ACHD), including the management of heart disease during pregnancy. Through a series of multidisciplinary lectures, case presentations, and board-review-style question and answer sessions, question and answer, this conference invites all disciplines to learn more about the progression and treatment of CHD from adolescence to adulthood.

Track 1 will be an interactive case-based session, including expert opinions from cardiologists, anesthesiologists, and maternal-fetal medicine specialists on the care of the pregnant patient with cardiac disease. **Track 2** will focus on specific cardiac defects by providing a review of cardiac anatomy, imaging with a focus on echocardiogram and MRI, and key clinical management topics. The session will include audience response questions and an opportunity to review 3D heart models with experts in cardiac pathology. The afternoon of Saturday, October 5 will feature a **Patient, Provider and Family Symposium** which will be open to those most affected by ACHD – patients and families – and will address the unique challenges they face.

Learning Objectives

- Identify the increasing prevalence of adults with congenital heart disease and address some of the complications that can result from lifelong congenital heart disease
- Consult and coordinate with maternal fetal medicine experts and ACHD cardiologists to optimize outcomes of mothers with CHD and determine appropriate contraception options
- Recognize underlying cardiac anatomy and structural repairs in congenital heart disease
- Review current and innovative imaging techniques for simple and complex congenital heart lesions
- Review new and innovative pulmonary arterial hypertension (PAH) therapies that might be utilized for patients with adult congenital heart disease
- Review new and innovative advanced mechanical support therapies that might be utilized for patients with adult congenital heart disease
- Consult and coordinate with ACHD and PH experts for the care of ACHD patients with PAH and single ventricle heart disease
- Consult and coordinate with ACHD experts for cardiac transplantation and advanced mechanical support evaluation in ACHD patients
- Appraise the catheter-based interventional procedures (pulmonary valve replacement, septal defect closure) in ACHD patients
- Appraise the indications of pacemaker and defibrillator therapy in adults with CHD

Target Audience

This conference is intended for pediatricians, primary care physicians, internists, cardiologists and surgeons who specialize in both pediatric and adult CHD, as well as maternal-fetal medicine specialists, obstetricians and gynecologists, electrophysiologists, anesthesiologists, radiologists, geneticists, residents, fellows, physician assistants, nurse practitioners, nurses, and other members of the healthcare team interested in the evaluation, diagnosis and management of adults with congenital heart disease. The afternoon of day two of the conference is targeted to patients and their families; however, providers are encouraged to stay.



Accreditation

In support of improving patient care, MedStar Health 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

This activity was planned by and for the healthcare team, and learners will receive 12.5 Interprofessional Continuing Education (IPCE) credits for learning and change.



Registration Information

	EARLY BIRD Full Conference Through August 23	Full Conference After August 23	1 Day Rate
Physician	\$250	\$275	\$195
Resident or Fellow	\$150	\$175	\$125
Physician Assistant	\$150	\$175	\$125
Nurse Practitioner	\$150	\$175	\$125
Nurse	\$150	\$175	\$125
Allied Health Professional	\$150	\$175	\$125

	Saturday Afternoon Session			
Patient/Family Member	1 Member \$20	2 Members \$30	3 Members \$35	4 Members \$40

Please visit CE.MedStarHealth.org/ACHDPatient to register for the Patient and Family Session

Online Registration Preferred

Please visit CE.MedStarHealth.org/ACHD for updated program and registration information. We are unable to accept registrations or cancellations by telephone. If you wish to pay your registration fee by check, please download and print a registration form and mail it to the address on the registration form with your check.

All registrations will be confirmed by email only. If you have questions regarding registration or do not receive an email confirmation of your registration within 1-2 business days, please contact us at MedStarCME@gmail.com or 202-780-1655.

Cancellation Policy

Cancellations made in writing by August 30, 2019 will be subject to a 50% penalty. No refunds will be given after August 30, 2019. Cancellations will not be accepted by telephone. In the unlikely event that the course is canceled, MedStar Health will refund the registration fee, but is not responsible for any travel costs.

Please call 202-780-1655 or email MedStarCME@gmail.com if you have any questions or need any additional information.

Venue Information

Bethesda Marriott

5151 Pooks Hill Road | Bethesda, MD
301-897-9400 | <https://www.marriott.com/hotels/travel/wasbt-bethesda-marriott/>

Special Assistance

MedStar Health wishes to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently from other individuals because of the absence of auxiliary aids or services identified in the Americans with Disabilities Act. Please contact 202-780-1655 to notify us of your needs.



Call for Abstracts

We are pleased to invite you to submit an abstract for poster presentation at the *Adult Congenital Heart Disease in the 21st Century* conference. Abstracts should be no more than 250 words and will be selected based on their scientific merit and content quality. Previously published or presented work will be accepted. Don't miss your chance to share your work and research with colleagues and experts in the field!

Submit your abstract at CE.MedStarHealth.org/ACHD by Monday, August 5, 2019.

Adult Congenital Heart Disease in the 21st Century

Anatomy Review, Treatment Options, and Pregnancy Management

October 4–5, 2019 | Bethesda Marriott | Bethesda, MD

MedStar Health
3007 Tilden Street, NW, Suite 3N
Washington, DC 20008

For more information and to register, please visit CE.MedStarHealth.org/ACHD

Adult Congenital Heart Disease in the 21st Century

Anatomy Review, Treatment Options, and Pregnancy Management

October 4–5, 2019 | Bethesda Marriott | Bethesda, MD

CE.MedStarHealth.org/ACHD

Course Director:

Anitha S. John, MD, PhD
Children's National Health System
MedStar Washington Hospital Center
MedStar Heart & Vascular Institute
Washington, D.C.

Course Co-Director:

Melissa H. Fries, MD
MedStar Washington Hospital Center
Washington, D.C.



Faculty

Course Director

Anitha S. John, MD, PhD
 Director, Washington Adult Congenital Heart Program
 Children's National Health System
 MedStar Washington Hospital Center
 MedStar Heart & Vascular Institute
 Associate Professor, Pediatrics
 George Washington University School of Medicine
 Washington, D.C.

Course Co-Director

Melissa H. Fries, MD
 Chairman, OB/GYN Department
 Director, Genetics and Fetal Medicine
 MedStar Washington Hospital Center
 Professor, Obstetrics and Gynecology
 Georgetown University Medical Center
 Washington, D.C.

Keynote Speaker

Jean Chatzky
 Financial Editor
 The TODAY Show
 New York, NY

Faculty

Elisa A. Bradley, MD
 Adult Congenital Heart Disease Cardiologist
 Nationwide Children's Hospital
 The Ohio State University Wexner Medical Center
 Columbus, OH

Dawn M. Calderon, DO
 Chief, Cardiology
 Jersey Shore University Medical Center
 Jersey Shore, NJ

Jean Marie Carabuena, MD
 Director, High-Risk Obstetric Anesthesia
 Perioperative and Pain Medicine
 Brigham and Women's Hospital
 Boston, MA

Marc Cribbs, MD
 Director, Alabama Adult Congenital Heart Program
 Director, Comprehensive Pregnancy & Heart Program
 Children's of Alabama
 University of Alabama at Birmingham School of Medicine
 Birmingham, AL

Tacy E. Downing, MD
 Interventional and Adult Congenital Cardiologist
 Washington Adult Congenital Heart Program
 Children's National Health System
 Washington, D.C.

Peter Ermis, MD
 Associate Director, Adult Congenital Heart Disease Program
 Texas Children's Hospital
 Baylor College of Medicine
 Houston, TX

Stacy D. Fisher, MD
 Director, Women's and Complex Heart Disease
 University of Maryland School of Medicine
 Baltimore, MD

Vicki Freedenberg, PhD
 Electrophysiology Nurse Scientist
 Children's National Health System
 Washington, D.C.

Jasmine Grewal, MD
 Director, Pacific Adult Congenital Heart Clinic
 University of British Columbia
 Vancouver, CANADA

Seiji Ito, MD
 Adult Congenital Heart Disease Cardiologist
 Washington Adult Congenital Heart Program
 Children's National Health System
 Washington, D.C.

Shelby Kutty, MD, PhD, MHCM
 Director, Taussig Heart Center
 Johns Hopkins Hospital and School of Medicine
 Baltimore, MD

Selma F. Mohammed, MD
 Director, Heart Failure Research
 Advanced Heart Failure and Cardiac Transplantation
 MedStar Washington Hospital Center
 MedStar Heart & Vascular Institute
 Georgetown University Medical Center
 Washington, D.C.

Susan O'Donoghue, MD
 Cardiac Electrophysiologist
 Director, Cardiogenetics Services
 MedStar Heart & Vascular Institute
 Washington, D.C.

Laura Olivieri, MD
 Director, Cardiology and 3D Cardiac Visualization Laboratory
 Children's National Health System
 George Washington University School of Medicine
 Washington, D.C.

Alexander R. Opatowsky, MD, MPH, MMSc
 Co-Director, Boston Adult Congenital Heart (BACH) Research
 Boston Children's Hospital
 Brigham and Women's Hospital
 Harvard Medical School
 Boston, MA

Sara L. Partington, MD
 Attending Cardiologist
 Philadelphia Adult Congenital Heart Center
 Children's Hospital of Philadelphia
 Hospital of the University of Pennsylvania
 University of Pennsylvania School of Medicine
 Philadelphia, PA

Lindsay Rogers, MD
 Attending Cardiologist
 Education Director, Echocardiography Laboratory
 Children's Hospital of Philadelphia
 University of Pennsylvania Perelman School of Medicine
 Philadelphia, PA

Carl H. Rose, MD
 Attending Physician, Maternal Fetal Medicine
 Department of Obstetrics and Gynecology
 Mayo Clinic
 Rochester, MN

George Ruiz, MD, MBA
 Chief, Cardiology
 MedStar Union Memorial Hospital
 MedStar Good Samaritan Hospital
 MedStar Heart & Vascular Institute
 Baltimore, MD

Melissa L. Russo MD
 Maternal-Fetal Medicine and Clinical Geneticist
 Women and Infants Hospital
 Brown University
 Providence, RI

Elizabeth Sherwin, MD, FHRS
 Pediatric Cardiologist & Electrophysiologist
 Children's National Health System
 George Washington University School of Medicine
 Washington, D.C.

Pranava Sinha, MD
 Surgical Director, Mechanical Circulatory Support and Heart Transplant
 Children's National Health System
 The George Washington University School of Medicine
 Washington, D.C.

Emily Stein, MSW, LICSW
 Clinical Social Worker, Cardiology
 Washington Adult Congenital Heart Program
 Children's National Health System
 Washington, D.C.

Rachel Steury, RNP, FNP-C
 Nurse Practitioner, Cardiology
 Washington Adult Congenital Heart Program
 Children's National Health System
 Washington, D.C.

Christopher J. Talluto, MD
 Director, Adult Congenital Cardiology Clinic
 Child Cardiology Associates
 Fairfax, VA

Paul M. Weinberg, MD
 Senior Cardiologist
 Children's Hospital of Philadelphia
 Professor, Pediatrics and Pediatric Pathology
 University of Pennsylvania Perelman School of Medicine
 Philadelphia, PA

Ali N. Zaidi, MD
 Director, Mount Sinai Adult Congenital Heart Disease Center
 Mount Sinai Kravis Children's Hospital
 Sinai Kravis Children's Hospital
 Icahn School of Medicine at Mount Sinai
 New York, NY

Agenda FRIDAY, OCTOBER 4

7:00 a.m. Registration Breakfast 7:50 a.m. Welcome and Introduction
 Anitha S. John, MD, PhD

SESSION I
 8:00 a.m. Managing a Successful Pregnancy from the Perspective of an ACHD Patient

8:20 a.m. Panel Discussion

TRACK 1 | PREGNANCY AND HEART DISEASE

SESSION II
 Pre-Conceptual Counseling and Assessment
 Moderator: Carl H. Rose, MD

8:30 a.m. Risk Assessment Prior to Pregnancy – Cardiologist's Perspective
 Jasmine Grewal, MD

8:50 a.m. Risk Assessment Prior to Pregnancy – MFM Perspective
 Melissa H. Fries, MD

9:10 a.m. Anesthesia Considerations and Pre-Delivery Consult
 Jean Marie Carbeuno, MD

9:30 a.m. Assisted Reproduction/Fertility Therapy in CHD Patients
 Melissa L. Russo, MD

9:50 a.m. Panel Discussion

TRACK 2 | ANATOMY AND CLINICAL MANAGEMENT REVIEW

SESSION II
 Anatomy Nomenclature and Septal Defects
 Moderator: Seiji Ito, MD

8:30 a.m. Introduction to Segmental Anatomy
 Paul M. Weinberg, MD

8:50 a.m. Panel Discussion

9:00 a.m. Specimen Review: Septal Defects
 Paul M. Weinberg, MD

9:15 a.m. Echocardiogram and MRI Imaging Review
 Laura Olivieri, MD

9:30 a.m. Pulmonary Vasodilator Therapy in Septal Defects
 Elisa A. Bradley, MD

9:45 a.m. Transcatheter Versus Surgical Repair: Are the Criteria the Same in Adults as in Children?
 Tacy E. Downing, MD

10:00 a.m. Panel Discussion

10:10 a.m. Break and Visit the Exhibits and Abstract Posters

TRACK 1 | PREGNANCY AND HEART DISEASE

SESSION III
 Pregnancy and Delivery Management
 Moderator: Melissa H. Fries, MD

10:30 a.m. The Role of Serum Biomarkers in Pregnancy
 Alexander R. Opatowsky, MD, PhD, MHCM

10:50 a.m. Cardiac Surgery in Pregnancy
 Anitha S. John, MD, PhD

11:10 a.m. Cardiopulmonary Resuscitation in Pregnancy
 Carl H. Rose, MD

11:30 a.m. Management of Cardiac Complications During Pregnancy and Delivery
 Peter Ermis, MD

11:50 a.m. Panel Discussion

TRACK 2 | ANATOMY AND CLINICAL MANAGEMENT REVIEW

SESSION III
 Tetralogy of Fallot
 Moderator: Pranava Sinha, MD

10:30 a.m. Anatomy Specimen Review
 Lindsay Rogers, MD

10:50 a.m. Echocardiogram and MRI Imaging Review
 Shelby Kutty, MD, PhD, MHCM

11:10 a.m. Indications for Transcatheter Pulmonary Valve Replacement
 Tacy E. Downing, MD

11:30 a.m. Ventricular Assist Devices: Options for the Right Side?
 George Ruiz, MD

11:50 a.m. Panel Discussion

12:00 p.m. Lunch and Visit the Exhibits and Abstract Posters

TRACK 1 | PREGNANCY AND HEART DISEASE

SESSION IV
 Pulmonary Hypertension and Heart Failure
 Moderator: Dawn M. Calderon, DO

1:00 p.m. Pregnancy Management and Risk Assessment in PAH
 Ali N. Zaidi MD

1:20 p.m. Managing Pregnancy with a Systemic Right Ventricle
 Sara L. Partington, MD

1:40 p.m. Peripartum Cardiomyopathy
 Selma F. Mohammed, MD

2:00 p.m. Management and Outcomes in Single Ventricle/Fontan Patients
 Elisa A. Bradley, MD

2:20 p.m. Panel Discussion

TRACK 2 | ANATOMY AND CLINICAL MANAGEMENT REVIEW

SESSION IV
 D-Transposition of the Great Arteries
 Moderator: Marc Cribbs, MD

1:00 p.m. Anatomy Specimen Review
 Paul M. Weinberg, MD

1:20 p.m. Echocardiogram and MRI Review
 Laura Olivieri, MD

1:40 p.m. Indications for Pacemaker and ICD Therapy
 Elizabeth Sherwin, MD, FHRS

2:00 p.m. Long-term Outcomes of Arterial Switch Operation
 Seiji Ito, MD

2:20 p.m. Panel Discussion

2:45 p.m. **KEYNOTE ADDRESS: AgeProof: Living Longer Without Running Out of Money or Breaking a Hip**
 Jean Chatzky, Financial Editor, The TODAY Show

3:15 p.m. Conclusions/Wrap Up

3:25 p.m. Adjourn

FRIDAY, OCTOBER 4

Evening Symposium: ACHD Program Building 101

Representatives from the Mid-Atlantic ACHD Regional Group will be leading roundtable discussions on key components of ACHD Program Building. Participants will rotate every 30 minutes to attend a total of 4 sessions. All providers are welcome. Participants will learn from each other and will leave with a network of colleagues to turn to for support. **Space is limited, so please register early.**

4:15 p.m. **Roundtable Topics (rotate every 30 minutes)**
 1. Managing ACHD Patients in a Pediatric Hospital Setting
 2. Talking with Administrators: How to Make a Case for Program Building
 3. Transition Programs: Models for Success
 4. The Role of a Clinical Nurse Coordinators in an ACHD Program
 5. How to Effectively Incorporate Advanced Practitioners into an ACHD Program
 6. Building a Complex Cardiac - Pregnancy Program

6:30 p.m. Networking Reception

Agenda SATURDAY, OCTOBER 5

7:30 a.m. Registration and Breakfast

TRACK 1 | PREGNANCY AND HEART DISEASE

SESSION V

Special Considerations
 Moderator: Melissa L. Russo, MD

8:30 a.m. Arrhythmia and Pacemaker Management in Pregnancy
 Susan O'Donoghue, MD

8:50 a.m. Mechanical Valves and Anticoagulation
 Marc Cribbs, MD

9:10 a.m. Pregnancy Management in the Post MI Patient
 Carl H. Rose, MD

9:30 a.m. Coronary Aneurysm/Kawasaki Disease
 Sara L. Partington, MD

9:50 a.m. Panel Discussion

TRACK 2 | ANATOMY AND CLINICAL MANAGEMENT REVIEW

SESSION V

Single Ventricle/Fontan
 Moderator: Peter Ermis, MD

8:30 a.m. Anatomy Specimen Review
 Lindsay Rogers, MD

8:50 a.m. Echocardiogram and MRI Considerations
 Laura Olivieri, MD

9:10 a.m. Pulmonary Vasodilator Therapy for Fontan Failure
 Alexander R. Opatowsky, MD, PhD, MHCM

9:30 a.m. Advanced Mechanical Support: Novel Prototypes
 Pranava Sinha, MD

9:50 a.m. Panel Discussion

10:10 a.m. Moderated Abstract Poster Session: Top Abstracts

10:40 a.m. Break and Visit the Exhibits

TRACK 1 | PREGNANCY AND HEART DISEASE

SESSION VI

Vascular Disease
 Moderator: Christopher Talluto, MD

11:00 a.m. Marfans Syndrome and Pregnancy
 Melissa L. Russo, MD

11:15 a.m. Aortic Dilation in CHD
 Marc Cribbs, MD

11:30 a.m. Pregnancy in Turner Syndrome: Assessing Risk of Dissection
 Jasmine Grewal, MD

11:45 a.m. Panel Discussion

12:00 p.m. Adjourn

TRACK 2 | ANATOMY AND CLINICAL MANAGEMENT REVIEW

SESSION VI

L-Transposition of the Great Arteries/Ebsteins
 Moderator: Shelby Kutty, MD, MS, PhD

11:00 a.m. Anatomy Specimen Review
 Lindsay Rogers, MD

11:20 a.m. Echocardiogram and MRI Considerations
 Seiji Ito, MD

11:35 a.m. Medical Therapy for the Failing Right Ventricle
 Ali N. Zaidi MD

11:45 a.m. Panel Discussion

12:00 p.m. Adjourn



SATURDAY, OCTOBER 5

Provider, Patient and Family Symposium: Understanding the Importance of Lifelong Care for CHD Patients

12:30 p.m. Registration

1:00 p.m. Welcome and Introduction
 Anitha John, MD, PhD

1:15 p.m. **Panel Discussion: The Impact of CHD on the Family**
 Moderator: Emily Stein, MSW

Through an interactive panel discussion, patients and family members will discuss the process of becoming an adult with CHD. Parents will discuss the process of fostering independence as their children grow to adulthood. Spouses and patients share their experiences developing long-term relationships and raising children.

BREAKOUT SESSION 1: The Unspoken Truths: Addressing the Challenges Associated with CHD

2:00 p.m. **Breakout A: Learning, Career, and Life Management: Understanding the Impact of Neurodevelopmental Outcomes in CHD Patients**
 Moderator: Ali N. Zaidi, MD

Breakout B: Practical Tools and Tips for Anxiety Management and Stress Reduction for CHD Patients and Family Members
 Moderators: Vicki Freedenberg, PhD and Emily Stein, MSW

2:45 p.m. Break

BREAKOUT SESSION 2: Be the Best You – The Importance of Self-Care

3:00 p.m. **Breakout A: Body Image, Reproductive Health, Fitness and Exercise (Women)**
 Moderators: Rachel Steury, RNP and Melissa Fries, MD

Breakout B: Body Image, Reproductive Health, Fitness and Exercise (Men)
 Moderator: Seiji Ito, MD

3:45 p.m. Adjourn

For more information and to register, please visit CE.MedStarHealth.org/ACHD