

Adult Congenital Heart Disease in the 21st Century

April 13 – 14, 2018

College Park Marriott Hotel & Conference Center | Hyattsville, MD



Course Director:

Anitha S. John, MD, PhD

Children's National Health System
MedStar Washington Hospital Center
MedStar Heart & Vascular Institute
Washington, DC

Course Co-Director:

Melissa H. Fries, MD

MedStar Washington Hospital Center
Washington, DC

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
Washington, DC

Faculty

Charles I. Berul, MD

Chief, Division of Cardiology
Co-Director, Children's National Heart Institute
Children's National Health System
Washington, DC

Kristin M. Burns, MD

Medical Officer
National Heart, Lung, and Blood Institute
Bethesda, MD
Pediatric Cardiologist
Children's National Health System
Washington, DC

Kathleen H. Byrne, MSN, CRNP

Nurse Practitioner
The Johns Hopkins Hospital
Baltimore, MD

Dawn M. Calderon, DO

Chief, Cardiology
Jersey Shore University Medical Center
Jersey Shore, NJ

Scott Cohen, MD

Attending Physician, Wisconsin Adult Congenital
Heart Disease Program
Medical College of Wisconsin
Milwaukee, WI

Stephen C. Cook, MD

Director, Adult Congenital Heart Center
Congenital Heart Center
Spectrum Health Helen DeVos Children's Hospital
Grand Rapids, MI

Jane E. Crosson, MD

Director, Pediatric Electrophysiology
Director, Adult Congenital Heart Disease
The Johns Hopkins Hospital
Baltimore, MD

Course Co-Director

Melissa H. Fries, MD

Chair, Department of Obstetrics/Gynecology
Director, Genetics and Fetal Medicine
MedStar Washington Hospital Center
Professor, Obstetrics and Gynecology
Georgetown University School of Medicine
Washington, DC

Yoav Dori, MD, PhD

Director, Pediatric Lymphatic Imaging and Interventions and Lymphatic
Research
Division of Cardiology
Children's Hospital of Philadelphia
Philadelphia, PA

Tacy Downing, MD

Interventional and Adult Congenital Cardiologist
Washington Adult Congenital Heart Program
Children's National Health System
Washington, DC

Alexander R. Ellis, MD

Pediatric and Adult Congenital Cardiologist
Children's Hospital of the King's Daughters
Norfolk, VA

Stacy D. Fisher, MD

Director, Women's and Complex Heart Diseases
University of Maryland School of Medicine
Baltimore, MD

Vicki Freedenberg, PhD

Electrophysiology Nurse Scientist
Children's National Health System
Washington, DC

Danielle M. Hile

Director of Programs
Adult Congenital Heart Association
Philadelphia, PA

Seiji Ito, MD

Pediatric Cardiologist
Washington Adult Congenital Heart Program
Children's National Health System
Washington, DC

Maan Jokhadar, MD

Program Director, Adult Congenital Heart Disease Fellowship
Emory Adult Congenital Heart Center
Emory Center for Advanced Heart Failure Therapy
Atlanta, GA

Yuli Y. Kim, MD

Director, Philadelphia Adult Congenital Heart Disease Center
Penn Medicine Heart and Vascular Center
Children's Hospital of Philadelphia
Philadelphia, PA

Nancy H. Klein, BSN, RN

Clinical Program Coordinator
Washington Adult Congenital Heart Program
Children's National Health System
Washington, DC

Scott C. Leezer

Vice President, Government Relations
CURA Strategies
Arlington, VA

Jodi Lemacks

National Program Director
Mended Little Hearts
Washington, DC

Alejandro J. Lopez-Magallon, MD

Physician, Cardiac Critical Care Medicine
Division of Telemedicine
Children's National Health System
Washington, DC

Christian D. Nagy, MD

Director, Adult Congenital and Structural Interventional Cardiology
George Washington University Hospital
DC Veteran Affairs Medical Center
Washington, DC

Laura Olivieri, MD

Director, 3D Cardiac Printing Program
Division of Cardiology
Children's National Health System
Washington, DC

Ruth Phillippi

Program Coordinator
Washington Adult Congenital Heart Program
Children's National Health System
Washington, DC

Diego Porras, MD

Chief, Division of Invasive Cardiology
Boston Children's Hospital
Boston, MA

Richard E. Ringel, MD

Director, Pediatric and Congenital Heart Catheterization
The Johns Hopkins University Catheterization Hospital
Baltimore, MD

Mark D. Rodefeld, MD

Congenital Heart Surgeon
Riley Children's Hospital
Indianapolis, IN

Mark Roeder

President and CEO
Adult Congenital Heart Association
Philadelphia, PA

Emily S. Ruckdeschel, MD

Attending Physician, Philadelphia Adult Congenital Heart Disease Center
Penn Medicine Heart and Vascular Center
Children's Hospital of Philadelphia
Philadelphia, PA

George Ruiz, MD

Chief, Cardiology
MedStar Union Memorial Hospital
MedStar Good Samaritan Hospital
Baltimore, MD

Jacqueline H. Sanz, PhD, ABPP-CN

Clinical Neuropsychologist
Co-Director, Cardiac Neurodevelopmental Outcome Program
Children's National Health System
Washington, DC

Pranava Sinha, MD

Attending Pediatric Cardiac Surgeon
Children's National Health System
Washington, DC

Emily Stein, LSW

Clinical Social Worker, Cardiology
Children's National Health System
Washington, DC

Rachel Steury, MSN, FNP-C

Nurse Practitioner, Cardiology
Children's National Health System
Washington, DC

Christopher J. Talluto, MD

Director, Adult Congenital Clinic
Child Cardiology Associates
Fairfax, VA

Catherine R. Weinberg, MD

Attending Physician, Adult Congenital Heart Disease Program
NYU Langone Health
New York, NY

Gil Wernovsky, MD

Attending Physician, Division of Cardiology
Children's National Health System
Washington, DC

Ali N. Zaidi, MD

Director, Montefiore Adult Congenital Heart Disease Program
Director, Montefiore Einstein Pulmonary Hypertension Program
Montefiore Einstein Center for Heart & Vascular Care
The Children's Hospital at Montefiore
Bronx, NY

AGENDA

FRIDAY, APRIL 13: PROVIDER ONLY

7:15 AM Registration and Continental Breakfast

7:45 AM Welcome and Introduction

SESSION 1
ACHD Overview: Insights from a Family Perspective
Moderator: Anitha S. John, MD, PhD

8:00 AM **Challenges in Medical Decision Making as an Emerging ACHD Patient**
Patient Perspective

8:20 AM Questions and Discussion

SESSION 2

Coarctation of the Aorta
Moderator: Pranava Sinha, MD

8:30 AM **Diagnosis, Imaging, Long-term Outcomes**
Stephen C. Cook, MD

8:55 AM **Catheter versus Surgical Therapies**
Diego Porras, MD

9:20 AM **Pregnancy and Left-sided Obstructive Lesions**
Seiji Ito, MD

9:45 AM Panel Discussion

10:00 AM Break and Visit the Exhibits

SESSION 3 BREAKOUT SESSIONS | 10:30 AM - 12:00 PM

BREAKOUT A:

Cardiac Catheterization and ACHD
Moderator: Tacy Downing, MD

10:30 AM

Transcatheter Pulmonary Valve Replacements: Current Options and New Horizons
Richard E. Ringel, MD

10:50 AM

Atrial Septal Defects and Pulmonary Hypertension: When Should We Close the Defect?
Ali N. Zaidi, MD

11:10 AM

Transcatheter Tricuspid Valve Replacements in ACHD: What are the Options?
TBA

11:30 AM

ACHD and Left-Sided Therapies: MitraClip and Transcatheter Aortic Valve Replacement
Christian D. Nagy, MD

11:50 AM

Questions and Discussion

BREAKOUT B:

Pregnancy and ACHD
Moderator: Christopher J. Talluto, MD

10:30 AM

Risk Stratification in ACHD Patients
Yuli Y. Kim, MD

10:50 AM

How to Set Up a Pregnancy Program: Key Elements for Success
Anitha S. John, MD, PhD

11:10 AM

Anesthesia and Delivery Considerations: A Case-based Approach
Melissa H. Fries, MD

11:30 AM

Infertility in ACHD: Cardiac "Clearance" in Assisted Reproductive Technology
Catherine R. Weinberg, MD

11:50 AM

Questions and Discussion

BREAKOUT C:

Psychological Health and Stress Management for Patients and Providers
Moderator: Rachel Steury, MSN, FNP-C

10:30 AM

Mood Disorders in ACHD Patients: Risk Factors and Implications for Outcomes
Emily S. Ruckdeschel, MD

10:50 AM

Advanced Care Planning: Practical Strategies for Patient Discussion
Nancy H. Klein, BSN, RN

11:10 AM

Hypnotherapy and its Role in Stress Management for the Patient, Family and Provider
Emily Stein, LSW

11:30 AM

Mindfulness Based Stress Reduction: Utility for Health Care Providers and Patients
Vicki Freedenberg, PhD

11:50 AM

Questions and Discussion

12:00 PM Lunch and Visit the Exhibits

SESSION 4**Innovations In Adult Congenital Heart Disease***Moderator: Anitha S. John, MD, PhD***2:00 PM****The Utility of 3D Heart Models and Surgical Planning***Laura Olivieri, MD***1:00 PM****Introduction to Keynote****2:20 PM****Lymphatic Therapy in Congenital Heart Disease***Yoav Dori, MD, PhD***1:05 PM****KEYNOTE ADDRESS****New Innovations: Fontan Blood Pump***Mark D. Rodefeld, MD***2:40 PM****Questions and Discussion****1:25 PM****Questions and Discussion****3:00 PM****Closing Remarks****1:40 PM****New Innovations in Electrophysiology and ACHD: Leadless Pacemakers, MRI Guided EP Mapping, etc.***Charles I. Berul, MD***SATURDAY, APRIL 14: FAMILY/PATIENT/PROVIDER****7:30 AM****Registration and Continental Breakfast****8:25 AM****Adult Congenital Heart Association Vision for the Future***Mark Roeder***8:00 AM****Welcome and Introduction***Anitha S. John, MD, PhD***8:40 AM****Mended Little Hearts Vision for the Future***Jodi Lemacks***SESSION 1****8:10 AM****ACHD from the Patient Perspective: Importance of Transition and Staying in Care**
*Scott C. Leezer***SESSION 2 BREAKOUT SESSIONS | 9:00 AM - 10:15 AM****BREAKOUT A:
(Patient/Family)****Skills Session Workshop:
What to Do When You are
Away from Home?***Facilitators: Kathy H. Byrne, RN, CRNP;
Nancy Klein, BSN, RN; Ruth Phillippi; Emily
Stein, LSW***Workshop Topics:****Identifying Symptoms:
When Do I Seek Medical Care?****How Do I Get My Medical Records?****How Do I Find a
Doctor/Medical Center/Surgeon?****How Do I Handle Emergency Room Visits?****Insurance: How Do I Figure Out
What Is Covered?****BREAKOUT B:
(Provider)****Other Medical Issues
Associated with CHD***Moderator: Christopher J. Talluto, MD***9:00 AM
Pulmonary
Scott Cohen, MD****9:20 AM
Liver
Anitha S. John, MD, PhD****9:40 AM
Kidney
Yuli Y. Kim, MD****10:00 AM
Questions and Discussion****BREAKOUT C:
(Provider, Patient/Family)
Pacemaker/ICD 101***Moderator: Scott C. Leezer***9:00 AM
MRI in Patients with Pacemakers:
What are the Recommendations?
Yoav Dori, MD, PhD****9:15 AM
Pacemaker Pearls of Wisdom: Remote
Monitoring, Activity, Travel, etc.
Jane E. Crosson, MD****9:30 AM
Practical Pearls and Tips for
Dealing with Stress/Worry
Vicki Freedenberg, PhD****9:45 AM
How to Find a Center to
Perform your EP Procedure
Jeff Ishida; Rachel Steury, MSN, FNP-C****10:00 AM
Questions and Discussion****10:15 AM****Break and Visit the Exhibits and 3D Heart Models Station***3D Heart Models: Stations of heart models will be available for participants to view. Proctors will begin a 15 minute didactic at 10:25 for interested participants. (Models include D-TGA, L-TGA, Fontan, Aortic coarctation, tetralogy of Fallot, and atrial septal defect)*

AGENDA

DAY 2 (CONTINUED): FAMILY/PATIENT/PROVIDER

SESSION 3 BREAKOUT SESSIONS | 10:45 AM - 12:00 PM

BREAKOUT A: (Patient/Family)

Skills Session Workshop: Health, Fitness, and Stress Reduction

*Facilitators: Seiji Ito, MD;
Rachel Steury, MSN, FNP-C; |
Vicki Freedenberg, PhD*

Workshop Topics:

Diet/Nutrition Recommendations

Exercise/Sports

Travel Recommendations

Stress Management/Resilience

**Dental Health: When Do I Need?
Antibiotics Prior to Procedures**

BREAKOUT B: (Provider, Patient/Family)

Neurocognitive Deficits *Moderator: Gil Wernovsky, MD*

10:45 AM

Risk Factors and Assessment of ACHD Patients with Neurodevelopmental Disorders

Scott Cohen, MD

11:05 AM

Executive Dysfunction and the Impact on the Lives of ACHD Patients

Ali N. Zaidi, MD

11:25 AM

Effective Treatment Strategies for Adolescent and Adults with Neurocognitive Deficits

Jacqueline H. Sanz, PhD, ABPP-CN

11:45 AM

Round Table Discussion

BREAKOUT C:

(Provider, Patient/Family)

Innovations and Advances: How Technology is Influencing ACHD Care and Research

Moderator: Alexander R. Ellis, MD

10:45 AM

Telemedicine and Its Potential Uses in ACHD Care and Transition

Alejandro J. Lopez-Magallon, MD

11:00 AM

Mobile Apps: New Tools for Research and Clinical Care

TBA

11:15 AM

Research Participation: How Can the Patient Get Involved?

Kristin M. Burns, MD

11:30 AM

Innovations in MRI

Laura Olivieri, MD

11:45 AM

Questions and Discussion

12:00 PM Lunch and Visit the Exhibits

SESSION 4 BREAKOUT SESSIONS | 1:00 PM - 2:15 PM

BREAKOUT A: (Patient/Family)

Skills Session Workshop: Practical Tips for Life Planning

*Facilitators: Tacy Downing, MD;
Danielle M. Hile; Nancy H. Klein, BSN, RN;
Emily Stein, LSW*

Topics For Discussion:

**How Do I Obtain Insurance and
Disability Coverage?**

**Can I Request Employment
Accommodations?**

**What are Advanced Directives and
Do I Need Them?**

**How Do I Prepare for Surgery or other
Procedure? How Do I Choose a Center?**

**How Does this Affect My Work/School
Attendance?**

BREAKOUT B: (Provider, Patient/Family)

Women's Health Issues *Moderator: Catherine R. Weinberg, MD*

1:00 PM

Pregnancy: How to Find a Provider and Questions to Ask

Kristin Benante, CRNP; Rachel Steury, MSN, FNP-C

1:15 PM

Questions and Discussion

1:20 PM

In Vitro Fertilization (IVF), Adoption, and Surrogacy

Melissa H. Fries, MD; Alicia Tucker, MD

1:35 PM

Questions and Discussion

1:45 PM

Body Image: How to Embrace our Scars *Patient Perspective*

2:00 PM

Questions and Discussion

BREAKOUT C: (Provider)

Transplant Considerations in Adult Congenital Cardiology

Moderator: George Ruiz, MD

1:00 PM

Novel Medical Therapy in Heart Failure in ACHD

Yuli Y. Kim, MD

1:15 PM

Transplantation Evaluation in ACHD: When to Refer for Evaluation

Stephen C. Cook, MD

1:30 PM

How to Image a Patient on Advanced Mechanical Support

Maan Jokhadar, MD

1:45 PM

Types of Mechanical Support: Which to Choose?

Pranava Sinha, MD

2:00 PM

Questions and Discussion

2:15 PM Break and Visit the Exhibits and Virtual Reality Session

SESSION 5 BREAKOUT SESSIONS | 2:45 PM - 4:15 PM

BREAKOUT A: (Provider, Patient/Family) Congenital Heart Disease and the Family

Facilitator: Emily Stein, LSW

Facilitator will lead a panel discussion of patients and their families addressing the following topics:

Establishing Independence: Challenges and Rewards from a Patient Perspective

Living with a Significant Other with CHD

How to Talk to Your Children and Loved Ones About Your CHD

BREAKOUT B: (Provider)

Pulmonary Hypertension and ACHD

Moderator: Dawn M. Calderon, DO

2:45 PM

Pulmonary Hypertension and ACHD: Overview and Assessment

Stacy D. Fisher, MD

3:05 PM

Management of Eisenmenger's Syndrome

Alexander R. Ellis, MD

3:25 PM

Pulmonary Vasodilator Therapy in the Fontan Patient

Maan Jokhadar, MD

3:45 PM

Questions and Discussion

BREAKOUT C:

(Provider, Patient/Family)

Neurocognitive Challenge:

What to Do, How to Treat, Who to Refer

Moderator: Gil Wernovsky, MD

Panelists: Scott Cohen, MD;

vJacqueline H. Sanz, PhD, ABPP-CN;

Ali N. Zaidi, MD; ACHA Representative

Moderator will lead a round table discussion about patient options focusing on how and where patients can be evaluated or treated for neurocognitive challenges.

4:15 PM Keynote Address

5:00 PM Closing Remarks

CONTINUING EDUCATION CREDIT INFORMATION

Course Description

This two-day program offers physicians and other health care providers a comprehensive review of the evaluation, diagnosis and management of adult congenital heart disease and heart disease during pregnancy. Through a series of multidisciplinary lectures and question and answer sessions the ACHD conference invites all disciplines to examine the progression and treatment of congenital heart disease from adolescence through adulthood. This includes not only cardiac, but also non-cardiac complications including neurodevelopmental challenges and multi-system organ involvement. The conference also reviews innovative treatment options that may be utilized for adult congenital heart disease patients.

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 expert maternal/fetal medicine care for optimization of outcomes for mothers and babies.
- Appraise the catheter-based interventional procedures in adults with congenital heart disease, and compare the risks and benefits of each modality and approach.
- Identify the prevalence of mood disorders in adult congenital heart disease patients.
- Identify how to evaluate and treat patients with coarctation of the aorta.
- Review new and innovative therapies that might be utilized for patients with adult congenital heart disease.
- Identify and recognize the implications of neurocognitive challenges that adults with congenital heart disease experience.
- Recognize the extra-cardiac complications that occur in adults with congenital heart disease.
- Consult and coordinate with ACHD experts for cardiac transplantation and advanced mechanical support evaluation in ACHD patients.
- Recognize the importance of consulting ACHD specialists in the evaluation and care of ACHD patients with pulmonary hypertension.

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 residents, fellows, physician assistants, nurse practitioners, nurses, geneticists and other members of the healthcare team interested in the evaluation, diagnosis and management of adults with congenital heart disease. Day two of the conference is also targeted towards patients and their families.

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 13.5 Continuing Education (IPCE) credits for learning and change.

REGISTRATION INFORMATION

	Full Conference April 13-14	Friday Only April 13
Physician	\$275	\$195
Resident/Fellow	\$175	\$125
Advanced Practice Clinician	\$175	\$125
Nurse	\$175	\$125
Allied Health Professional	\$175	\$125

	Saturday Only April 14*			
Patient/Family Member	1 Member \$95	2 Members \$175	3 Members \$250	4 Members \$300

Online Registration Preferred

To register, please visit the website indicated below:

Provider: CME.MedStarHealth.org/ACHD

Patient/Family Members: CME.MedStarHealth.org/ACHDFamily

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. Please use an email address that you check regularly. 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 **202-780-1655** or MedStarCME@gmail.com.

Cancellation Policy

Cancellations made in writing by March 1, 2018 will be subject to a 50% penalty. No refunds will be given after March 1, 2018. Cancellations will not be accepted by telephone. In the unlikely event that the course is cancelled, MedStar Health will refund the registration fee, but is not responsible for any travel costs. Please note registration fees are non-transferable.

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



Venue Information

College Park Marriott Hotel & Conference Center

3501 University Boulevard East,
Hyattsville, MD 20783
301-985-7300
www.marriott.com/wasum

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 MedStarCME@gmail.com to notify us of your needs.

Adult Congenital Heart Disease in the 21st Century

April 13 – 14, 2018 | College Park Marriott Hotel & Conference Center | Hyattsville, MD

FIRST NAME MIDDLE INITIAL LAST NAME SUFFIX

DEGREE HOSPITAL / COMPANY / ORGANIZATION

MEDICAL SPECIALTY

ADDRESS STREET SUITE OR APT #

CITY STATE ZIP / POSTAL CODE

TELEPHONE FAX

E-MAIL

THREE WAYS TO REGISTER:

ON THE WEB:

CME.MedStarHealth.org/ACHD

BY EMAIL:

Scan form and email to:
MedStarCME@gmail.com

BY MAIL:

MSH - ACHD
3007 Tilden Street, NW, Suite 3N
Washington, DC 20008

We are unable to accept registrations or cancellations by telephone.

All registrations will be confirmed by email only. Please use an email address that you check regularly. 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 March 1, 2018 will be subject to a 50% penalty. No refunds will be given after March 1, 2018. 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.

PAYMENT INFORMATION:

	Full Conference (April 13-14)	Friday Only (April 14)
Physician	☐ \$275	☐ \$195
Resident/Fellow	☐ \$175	☐ \$125
Advanced Practice Clinician	☐ \$175	☐ \$125
Nurse	☐ \$175	☐ \$125
Allied Health Professional	☐ \$175	☐ \$125
Industry Professional	☐ \$300	☐ \$200

☐ Check Enclosed (Please make checks payable to "MSH - ACHD")

☐ Credit Card (Please indicate type below. Charges on statement will appear as "CMEQT")

☐ American Express

☐ Visa

☐ Mastercard

CARD NUMBER

EXPIRATION DATE (MO/YEAR)

*CCV NUMBER

NAME OF CARDHOLDER

CARDHOLDER SIGNATURE

*The CCV number is a 3-digit non-raised number printed on the back of the credit card in the right hand corner of the signature strip. Amex card CCV numbers are 4-digits long and are on the front of the card.