

11th Annual Symposium

IMAGING IN 2020: FETAL AND PEDIATRIC CARDIOVASCULAR DISEASE

APRIL 25 - 26, 2020

Icahn School of Medicine at Mount Sinai Hatch Auditorium

1468 Madison Avenue, New York, NY

COURSE DIRECTOR

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Wilmington, DE

HANDS-ON FETAL WORKSHOP: LIVE SCANNING

Day 1 • Saturday, April 25th • 3:00 - 4:30pm

12th Floor, Annenberg Building
1468 Madison Avenue at 100th Street, New York, NY

Featuring Guest Faculty from:

Boston, Canada, Pennsylvania, Virginia, Delaware, New York



Icahn
School of
Medicine at
Mount
Sinai

Kravis Children's Hospital

Jointly Provided by

Department of Pediatrics at the Icahn School of Medicine
New York Pediatric Echo Society

Online Registration: <https://mssm.cloud-cme.com/Fetal2020>

11th Annual Symposium

IMAGING IN 2020: FETAL AND PEDIATRIC CARDIOVASCULAR DISEASE

PROGRAM DESCRIPTION

This CME activity will focus on reviewing current knowledge and advances in multimodality imaging that impact the detection and management of cardiovascular disease in the fetus, child and adult. The format will include lectures, case presentations, interactive panel discussions and hands-on imaging workshops.

The focus for fetal cardiovascular assessment will include assessment of fetal hemodynamic derangements in non-primary cardiac disease, latest advances in early gestation and 3D fetal imaging and imaging predictors of disease severity/outcomes in common fetal cardiac lesions. A session on cardiovascular health will review the non-invasive assessment of vascular and myocardial health in the setting of chronic cardiovascular conditions, aortopathies and lymphatic abnormalities. Dedicated sessions on pulmonary atresia with intact ventricular septum and congenitally corrected transposition of the great arteries will be devoted to the imaging assessment and impact on management of these lesions, from fetal life through adulthood.

The workshops will focus on standard fetal cardiac and hemodynamic assessment.

EDUCATIONAL OBJECTIVES

At the conclusion of this activity, participants will be able to:

- Understand the fetal hemodynamic derangements associated with non-primary cardiac disease, including technical means of assessing by non-invasive imaging and potential fetal interventions
- Describe the latest in fetal cardiac imaging, including technical advances, advanced functional assessment, early gestation, 3D imaging and counseling
- Describe the latest science in fetal predictors of congenital heart disease severity and outcomes, including how to perform appropriate imaging assessment
- Identify the adverse health impacts of childhood onset of adult cardiovascular diseases and review non-invasive means of assessing cardiovascular health
- Accurately diagnose and assess fetal and post-natal predictors of outcome in pulmonary atresia with intact ventricular septum and utilize appropriate imaging over time to inform management
- Accurately diagnose and assess fetal and post-natal predictors of outcome in congenitally corrected transposition of the great arteries and utilize appropriate imaging over time to inform management

WHO SHOULD ATTEND

Physicians, trainees, sonographers, nurse practitioners and physician assistants in the fields of congenital cardiology, obstetrics, perinatal medicine and radiology.

DAY 1 • Saturday, April 25, 2020

Hatch Auditorium - 1468 Madison Avenue, New York, NY 10029

7:15 – 7:45am **REGISTRATION AND CONTINENTAL BREAKFAST**
7:45 – 8:00 **Welcome**
Kenan W.D. Stern, MD

Fetal: It's Not the Heart . . . Or is it?

Chairs: Jennifer Lam-Rachlin, MD & Stephanie M. Levasseur, MD, FRCPC

8:00 – 8:15 **High-output lesions: hemodynamic assessment and management**
Jennifer Lam-Rachlin, MD

8:15 – 8:30 **Congenital diaphragmatic hernia: What about the heart?**
Elena S. Sinkovskaya, MD, PhD, FAIUM

8:30 – 8:45 **Vein of Galen: fetal and postnatal anatomy and physiology**
Miwa K. Geiger, MD

8:45 – 9:00 **Twin-twin transfusion syndrome: cardiac manifestations, fetal therapies**
Jack Rychik, MD

9:00 – 9:15 **Q & A**

9:15 – 9:30 **BREAK**

Advanced Fetal Imaging

Chairs: Miwa K. Geiger, MD & Shubhika Srivastava, MBBS

9:30 – 9:45 **Pushing the envelope: early gestation imaging**
Lisa K. Hornberger, MD

9:45 – 10:00 **3D fetal cardiovascular imaging: how does it help?**
Elena S. Sinkovskaya, MD, PhD, FAIUM

10:00 – 10:15 **Ventricular function in fetal congenital heart disease**
Lisa K. Hornberger, MD

10:15 – 10:30 **Fetal Cardiac masses: non-invasive assessment and counseling**
Lindsay R. Freud, MD, FASE

10:30 – 10:45 **Fetal Counseling, does it help? Parental anxiety with prenatal diagnosis**
Stephanie M. Levasseur, MD, FRCPC

10:45 – 11:00 **Q & A**

11:00 – 11:15 **BREAK**

Fetal CHD Diagnosis and Outcomes

Chairs: Lisa K. Hornberger, MD & Sheila J. Carroll, MD, FAAP, FACC, FASE

11:15 – 11:30 **Risk stratification in fetal hypoplastic left heart syndrome**
Wayne Tworetzky, MD

11:30 – 11:45 **HLHS - Neonatal management of the restrictive atrial septum: how imaging guides interventions**
Robert H. Pass, MD

11:45 – 12:00pm **TGA - Fetal diagnosis and risk stratification: can we predict a restrictive atrial septum?**
Jack Rychik, MD

12:00 – 12:15 **Ebstein anomaly in the fetus: predictors and interventions**
Wayne Tworetzky, MD

12:15 – 12:30 **Q & A**

12:30 – 1:30 **LUNCH**

Fetal Case Discussions

Chairs: Lindsay R. Freud, MD, FASE & Hari Rajagopal, MBBS

Panelists: Elena S. Sinkovskaya, MD, PhD, FAIUM; Lisa K. Hornberger, MD; Jack Rychik, MD; Miwa K. Geiger, MD; Jennifer Lam-Rachlin, MD; Wayne Tworetzky, MD

3:00 – 4:30 **Hands on Fetal Workshop: Live Scanning**
Miwa K. Geiger, MD; Jen Lie Yau, BS, RDCS; Rosalie B. Castaldo, RDMS, RDCS; Melanie Tan, BS, RDCS, RDMS; Allen Kan, RDCS, RVT, AE

DAY 2 • Sunday, April 26, 2020

Hatch Auditorium - 1468 Madison Avenue, New York, NY 10029

7:30 – 7:50am **REGISTRATION AND CONTINENTAL BREAKFAST**

7:50 – 8:00 Welcome
Kenan W.D. Stern, MD

Cardio “Vascular” Health

Chairs: Thomas Starc, MD, MPH & Joseph Mahgerefteh, MD

- 8:00 – 8:15 Childhood onset of ‘adult’ cardiovascular diseases: the tip of the iceberg
Thomas Starc, MD, MPH
- 8:15 – 8:30 Non-invasive vascular function assessment
Ashwin Prakash, MD
- 8:30 – 8:45 Assessment of ventricular performance in chronic cardiovascular diseases: How do we measure?
Joseph Mahgerefteh, MD
- 8:45 – 9:00 Aortopathies: non-invasive assessment
Ashwin Prakash, MD
- 9:00 – 9:15 Lymphatics: the forgotten vasculature
Yoav Dori, MD, PhD
- 9:15 – 9:30 Q & A

Pulmonary Atresia with Intact Ventricular Septum

Chairs: Sangeeta Sharma, MBBS, MRCP & Shubhika Srivastava, MBBS

- 9:30 – 9:45 PA/IVS - Fetal diagnosis and predictors of biventricular vs. univentricular repair
Shubhika Srivastava, MBBS
- 9:45 – 10:00 PA/IVS - Initial postnatal intervention: how imaging guides management
Nilanjana Misra, MBBS, FAAP, FSCMR
- 10:00 – 10:15 Multimodality assessment of ‘repaired’ PA/IVS: from biventricular repair to Fontan
Nadine Choueiter, MD
- 10:15 – 10:30 The failing PA/IVS - considerations for mechanical support and transplant
Raghav Murthy, MD, DABS, FACS, FACC
- 10:30-10:45 Q & A
- 10:45-11:30 Mid-morning break – Brunch

Congenitally Corrected Transposition of the Great Arteries

Chairs: Peter Pastuszko, MD & Robert H. Pass, MD

- 11:30 – 11:45 Anatomy and morphology of CC-TGA
Ira A. Parness, MD
- 11:45 – 12:00pm Counseling the fetal CC-TGA: “What will life be like for my child?”
Jennifer L. Cohen, MD
- 12:00 – 12:15 To switch and switch or not to switch and switch
Peter Pastuszko, MD
- 12:15 – 12:30 The failing CC-TGA: management guided by imaging
Ali N. Zaidi, MD
- 12:30 – 12:45 Q & A

12:45 – 1:45 Case Discussions

Chairs: David Ezon, MD & Supriya Jain, MD

Panelists: Shubhika Srivastava, MBBS; Robert H. Pass, MD; Raghav Murthy, MD, DABS, FACS, FACC; Peter Pastuszko, MD; Ira A. Parness, MD; Ali N. Zaidi, MD

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New York, NY

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GENERAL INFORMATION

REGISTRATION FEES

	Day 1 Only	Day 2 Only	Day 1 Workshop Only (after lunch)	Both Days
Physicians	\$190	\$190	\$ 75	\$360
Sonographers	\$130	\$130	\$ 75	\$230
RN/PA	\$130	\$130	\$ 75	\$230
Fellows/Residents	\$ 90	\$ 90	\$ 50	\$150

CONFERENCE LOCATION

Hatch Auditorium

1468 Madison Avenue, New York, NY 10029

WORKSHOP LOCATION

Icahn School of Medicine at Mount Sinai

12th Floor, Annenberg Building
1468 Madison Avenue @ 100th Street, New York, NY

Directions and Parking

www.mountsinai.org/about-us/visiting-us/directions

Discounted parking is available on East 99th Street between Madison & Park Avenues. Parking ticket will be validated at the Registration Desk.

Hotel Accommodations

Please contact our Housing Manager,
Denise Newman, Email: dnew229@aol.com or Phone: 718-835-4911
Fax: 718-835-8661.

REGISTER ONLINE: <https://mssm.cloud-cme.com/Fetal2020>

Accreditation

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Icahn School of Medicine at Mount Sinai and the New York Pediatric Echo Society. Icahn School of Medicine at Mount Sinai is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation Statement

The Icahn School of Medicine at Mount Sinai designates this live activity for a maximum of 11.75 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Verification of Attendance

Will be provided to all professionals.

Special Needs

The Icahn School of Medicine at Mount Sinai is in full compliance with provisions of the Americans with Disabilities Act (ADA) and is accessible for individuals with special needs. If you require special accommodations, call the Office of CME, 212-731-7950.

Cancellation

A \$50 administrative fee will be deducted from all refunds/cancellations issued. All refund and cancellation requests must be emailed to the CME Office at cme@mssm.edu by **Monday, April 6, 2020**. No refunds will be made after this date or for "no-shows."

Faculty Disclosure

It is the policy of the Icahn School of Medicine at Mount Sinai to ensure objectivity, balance, independence, transparency, and scientific rigor in all CME-sponsored educational activities. All faculty participating in the planning or implementation of a sponsored activity are expected to disclose to the audience any relevant financial relationships and to assist in resolving any conflict of interest that may arise from the relationship. Presenters must also make a meaningful disclosure to the audience of their discussions of unlabeled or unapproved drugs or devices. This information will be available as part of the course material.

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IMAGING IN 2020: FETAL AND PEDIATRIC CARDIOVASCULAR DISEASE

Saturday & Sunday, April 25-26, 2020



Icahn School of Medicine at Mount Sinai

Conference Location: Hatch Auditorium

1468 Madison Avenue
New York, NY

Workshop Location: 12th Floor, Annenberg Building

1468 Madison Avenue at 100th Street
New York, NY

TWO WAYS TO REGISTER

 **Online:** <https://mssm.cloud-cme.com/Fetal2020>

 **Mail** this form with your check to:

Icahn School of Medicine at Mount Sinai, Attn: CME Office
The Page and William Black Post-Graduate School
One Gustave L. Levy Place, Box 1193
New York, NY 10029-6574

Enclosed is my check for \$_____ payable to:
The Page and William Black Post-Graduate School

REGISTRATION FEES

	Day 1 Only	Day 2 Only	Day 1 Workshop Only (after lunch)	Both Days
Physicians	<input type="checkbox"/> \$190	<input type="checkbox"/> \$190	<input type="checkbox"/> \$ 75	<input type="checkbox"/> \$360
Sonographers	<input type="checkbox"/> \$130	<input type="checkbox"/> \$130	<input type="checkbox"/> \$ 75	<input type="checkbox"/> \$230
RN/PA	<input type="checkbox"/> \$130	<input type="checkbox"/> \$130	<input type="checkbox"/> \$ 75	<input type="checkbox"/> \$230
Fellows/Residents	<input type="checkbox"/> \$ 90	<input type="checkbox"/> \$ 90	<input type="checkbox"/> \$ 50	<input type="checkbox"/> \$150

Last Name First Name

Credentials MD RN NP PA Other (Specify) _____

Mailing Address

City State Zip

Phone

E-mail Specialty

Institution/Affiliation

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SATURDAY & SUNDAY • APRIL 25-26, 2020

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