



Lurie Children's is nationally ranked in Cardiology & Heart Surgery



## Chicago Sonographer Update 2022 Echocardiographic Assessment of Left Heart Obstructive Lesions with *Optional* Hands-on Scanning Workshop

An Educational Meeting Developed by Sonographers, for Sonographers

Saturday, April 30, 2022



### Course Description

Ann & Robert H. Lurie Children's Hospital of Chicago presents the Chicago Sonographer Update 2022: Echocardiographic Assessment of Left Heart Obstructive Lesions with *Optional* Hands-on Scanning Workshop. This is a single-day, virtual course with the option for an in-person, hands-on scanning experience. It is designed to be a comprehensive symposium focusing on echocardiographic imaging of left heart obstructive lesions.

The virtual course will be presented in two parts: An initial five-hour "live" session on April 30 (8:30 a.m.—1:50 p.m. CST) will focus on left heart obstructive lesions from fetal life through cardiac repair. It will feature a pathology specimen review and live echocardiograms on patients with unrepaired and palliated left heart obstructive lesions. The presentations will be pre-recorded, and speakers will be available for live moderated Q&A sessions. Additional virtual learning in the form of pre-recorded "on-demand" lectures related to left-heart obstructive lesions will be available on the conference website. All lectures will be available to view for 30 days after the conference.

The optional in-person, small-group, hands-on scanning session will be held at Ann & Robert H. Lurie Children's Hospital of Chicago shortly after the virtual "live" course. The two-hour session will be led by senior cardiac sonographers and will give participants an opportunity to improve their understanding of anatomy and scanning technique for assessing patients with unrepaired and palliated left-heart obstructive lesions with focus on aortic arch and palliated hypoplastic left-heart syndrome. Space will be limited to 24 participants and all visitors will be required to comply with Lurie Children's COVID-19 policies. Course will be conducted only if permitted by hospital policy and local guidelines due to the ongoing pandemic. Special conference viewing accommodations will be available for people attending the hands-on scanning session. Please contact us for specific details if interested. The hands-on workshop will not be shared as virtual content. **\*\*\*Must be fully vaccinated (having all recommended doses of an FDA-approved COVID-19 vaccine at least 14 days prior to the in-person session).\*\*\***

A strong emphasis has been placed on the practical aspects of data acquisition (knobology and image optimization) for the live scans. This is an exciting, clinically-applicable program aimed at the sonographer/practitioner directly involved in echo imaging. Lurie Children's pediatric cardiologists and sonographers will be joined by invited speakers to deliver the lectures.

### Accreditation

Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### Credit Designation

The Northwestern University Feinberg School of Medicine designates this live and enduring activity for a maximum of 10.75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Course information

#### INTENDED AUDIENCE

This course is designed for cardiac sonographers, fellows in training, pediatric cardiologists and sonography students embarking on a career in pediatric cardiac sonography. Participants should have a basic understanding of echocardiography.

#### COURSE OBJECTIVES

Upon conclusion of this educational meeting attendees should have improved their ability to:

- Identify key anatomical aspects of left-heart obstructive lesions
- Recognize echocardiographic features of various left-heart obstructive lesions
- Identify surgical repairs and/or palliations for left-heart obstructive lesions
- Apply anatomic knowledge to performance and/or interpretation of echocardiograms in patients presenting with left-heart obstructive lesions
- Comprehend the limitations of echocardiography and the need for multi-modality imaging
- Incorporate imaging techniques to image left-heart obstructive lesions into daily practice

#### CONFERENCE COST

Register on or before 11:59 p.m. CST March 15, 2022, to receive Early Bird pricing.

#### Sonographers/Allied Health Professionals/ Trainees (Residents and Fellows)

**Virtual Conference**  
\$100 Early Bird  
\$150 after March 15, 2022

**Hands-on Scanning**  
\$100 additional

#### Physicians

**Virtual Conference**  
\$175 Early Bird  
\$225 after March 15, 2022

**Hands-on Scanning**  
\$100 additional

#### Discount-eligible Countries

**Virtual Conference**  
\$50 Early Bird  
\$50 after March 15, 2022

**Hands-on Scanning**  
\$100 additional

**Conference registration closes Wednesday, April 27, 2022.**

**Hands-on Scanning registration closes Friday, April 1, 2022.**

#### REFUNDS

All cancellations must be confirmed in writing. A \$50 administrative fee will be retained. In order to refund the balance, a WRITTEN notice of withdrawal must be received by Friday, April 15, 2022. No refunds will be issued thereafter.



For more information contact **Dayana Haro** at **SonoUpdateCME@luriechildrens.org** or **312.227.0381**

Online registration is available at **[luriechildrens.org/sonographer](https://luriechildrens.org/sonographer)**

## Live Session with Interactive Panel Q&A

TIME	TITLE	SPEAKER
8:15–8:30 a.m.	<b>Welcome and Technical Check-in</b>	Amanda Hauck, MD, FASE <i>Course Director</i> Shivani Patel, MBBS, MS, FASE <i>Course Co-Director</i>
8:30–8:50 a.m.	Fetal Life: The Beginning of Left Heart Obstructive Lesions	Nina Gotteiner, MD, FASE
8:50–9:35 a.m.	Pathology Review: Left Heart Obstructive Lesions	Ra-id Abdulla, MD Jennifer Acevedo, ACS, RDCS, FASE
9:35–10:20 a.m.	Live Scan: Complex Left Heart Obstructive Lesion	Aneta Cenda, RDCS Amanda Hauck, MD, FASE
10:20–10:45 a.m.	<b>Moderated Q&amp;A session Break and meet with vendors</b>	Shivani Patel, MBBS Ra-id Abdulla, MD Nina Gotteiner, MD, FASE Jennifer Acevedo, ACS, RDCS, FASE Amanda Hauck, MD, FASE
10:45–11:05 a.m.	Hypoplastic Left Heart Syndrome (HLHS): The Most Obstructive Left Heart Lesion	Angira Patel, MD, MPH, FASE
11:05–11:25 a.m.	How to Image Palliated HLHS: Shunts, Glenn and Fontan	Colin Dunbar II, RDCS, FASE
11:25 a.m.–12:10 p.m.	Live Scan: Palliated HLHS	Aneta Cenda, RDCS Michael Carr, MD
12:10–12:30 p.m.	<b>Moderated Q&amp;A session Break</b>	Shivani Patel, MBBS Angira Patel, MD, MPH, FASE Colin Dunbar II, RDCS, FASE Michael Carr, MD
12:30–1 p.m.	<b>KEYNOTE SPEAKER:</b> Advanced Echo Imaging in Left Heart Obstructive Lesions	Nee Khoo, MBChB, FRACP
1–1:15 p.m.	Innovation in Stem Cell Therapy for HLHS	Sunjay Kaushal, MD, PhD
1:15–1:35 p.m.	One vs. Two Ventricles — The Borderline Left Ventricle	Amy Lay, MD
1:35–1:50 p.m.	<b>Moderated Q&amp;A Session</b>	Shivani Patel, MBBS Nee Khoo, MBChB, FRACP Sunjay Kaushal, MD, PhD Amy Lay, MD

## On-demand Virtual Material

TIME	TITLE	SPEAKER
<b>TTE in Left Heart Obstructive Lesion</b>		
15 minutes	Pulmonary Vein Stenosis	Amanda Hauck, MD, FASE
15 minutes	Cor Triatriatum and Left Atrial Obstruction	Joyce Woo, MD
30 minutes	Mitral Valve Anomalies	Michael Carr, MD
20 minutes	Left Ventricular Outflow Tract Obstruction: Membranes, Muscle and More	Matthew Cornicelli, MD
20 minutes	Aortic Valve Lesions	Mary Magin, RDCS
20 minutes	Supravalvar Aortic Stenosis and Williams Syndrome	Nicholas Brown, MD
15 minutes	Coarctation of the Aorta	Peter Koenig, MD, FASE
15 minutes	Interrupted Aortic Arch	Jarrett Linder, MD, MS
20 minutes	Pulmonary Hypertension Evaluation: Don't Forget the Right Heart	Zhanna Roytman, RDCS
20 minutes	Prosthetic Valve Assessment	Madeline Jankowski, RDCS, FASE
<b>Multi-modality Imaging of Left Heart Obstructive Lesion</b>		
15 minutes	Cath Intervention for Left Heart Obstructive Lesions	Paul Tannous, MD, PhD
20 minutes	Advanced Axial Imaging for Left Heart Obstructive Lesions	Lindsay Griffin, MD
20 minutes	3D Evaluation of Mitral and Aortic Valve Pathology	Sandhya Ramlogan, MD
20 minutes	Palliation of HLHS – A History Lesson	Peng Yan, RDCS, FASE
<b>Interesting Cases</b>		
15 minutes	Interesting Case	Anthony Shorter, RDCS
15 minutes	Interesting Case	Elizabeth Kalb, MD
15 minutes	Interesting Case	Vera Khlonova, RDCS
15 minutes	Interesting Case	Daniel McAree, MD
15 minutes	Interesting Case	Justin Jin, MD

For more information and registration:

[luriechildrens.org/sonographer](http://luriechildrens.org/sonographer)

## Course Directors and Program Coordinator

### Amanda Hauck, MD, FASE

#### Course Director

Attending Physician, Cardiology  
Medical Director, Pulmonary Hypertension Program  
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Assistant Professor of Pediatrics  
Northwestern University Feinberg School of Medicine

### Shivani Patel, MBBS, MS, FASE

#### Course Co-Director

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Health System Clinician of Pediatrics  
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Clinical Educator, Cardiopulmonary Services  
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### Dayana S. Haro, BS, RDCS (AE, FE, PE)

#### Course Co-Director

Lead Senior Cardiac Sonographer  
Ann & Robert H. Lurie Children's Hospital of Chicago

### Kathleen Nolan, BS, RDCS (AE, PE), RDMS (AB, OB)

#### Program Coordinator

Senior Cardiac Sonographer  
Ann & Robert H. Lurie Children's Hospital of Chicago

## Guest Faculty

### Colin A. Dunbar II, RDCS (AE, PE, FE), FASE

Clinical Lead  
Duke Pediatric Echo Lab

### Madeline Jankowski, ACS, RDCS (AE), FASE

Echocardiography Research Associate  
Northwestern University

### Justin Jin, MD

Pediatric Cardiology Fellow  
Cleveland Clinic Children's

## KEYNOTE SPEAKER

### Nee Scze Khoo, MBChB, FRACP

Associate Professor of Pediatrics  
University of Alberta  
Stollery Children's Hospital  
Edmonton, Canada

## Lurie Children's Faculty

### Ra-id Abdulla, MD

Attending Physician, Cardiology  
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Professor of Pediatrics  
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### Jennifer Acevedo, ACS, RDCS (AE, FE, PE), FASE

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### Nicholas Brown, MD

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### Vera Khlonova, RDCS (AE, PE, FE)

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### Amy S. Lay, MD

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