

16th Annual Chicago Sonographer Update
Echocardiographic Assessment of the Single Ventricle
from the Fetus to the Adult with *Optional* Hands-on
Scanning Workshop

Saturday, April 6, 2019 | 6 a.m.–4:30 p.m.

 **Ann & Robert H. Lurie
Children's Hospital of Chicago®**

Northwestern Medicine®
Feinberg School of Medicine

In cooperation with:

 **ASE**
American Society of
Echocardiography

**BEST
CHILDREN'S
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2018-19

**BEST
CHILDREN'S
HOSPITALS**
U.S. News
CARDIOLOGY &
HEART SURGERY
2018-19

Lurie Children's
Heart Center is ranked
#3 in the nation

Ann & Robert H. Lurie Children's Hospital of Chicago
225 East Chicago Avenue, Box 287
Chicago, Illinois 60611-2991

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16th Annual Chicago Sonographer Update

Echocardiographic Assessment of the Single Ventricle from the Fetus to the Adult with *Optional* Hands-on Scanning Workshop

An Educational Meeting Developed by Sonographers, for Sonographers

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**Featured
Guest Faculty:**
Peter C.
Frommelt, MD

Accreditation

The 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 activity for a maximum of 8.0 *AMA PRA Category 1 Credit(s)™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Course description

Ann & Robert H. Lurie Children's Hospital 16th Annual Chicago Sonographer Update, **Echocardiographic Assessment of the Single Ventricle from the Fetus to the Adult with Optional Hands-on Scanning Workshop**, will focus on the assessment and diagnosis of single ventricle cardiac anomalies utilizing transthoracic and fetal echocardiography. This single day workshop was designed by sonographers, with the sonographer's learning experience in mind. The meeting will encompass specific anatomic features of complex congenital heart disease to allow the sonographer to recognize defects, both before and after surgical intervention, in the fetus, neonate, child and adult. Lurie Children's cardiologists, surgeons and sonographers with expertise in the diagnosis and management of single ventricle anomalies will lead the lectures. Our keynote address by Peter C. Frommelt, MD, will focus on advances in imaging of the single ventricle.

The small-group, hands-on scanning sessions 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 single ventricle anomalies.

Interesting cases will be presented simultaneous to the hands-on scanning sessions, focusing on clinical presentation and emphasizing the importance of understanding the different single ventricle congenital heart anomalies for accurate diagnosis and appropriate treatment.

Course objectives

This course will provide sonographers, physicians and students with a comprehensive assessment of single ventricle anomalies and appropriate pre- and post-operative assessment which can be utilized in everyday application. Upon conclusion of this educational meeting attendees should have improved their ability to:

- Recognize echocardiographic abnormalities seen in association with single ventricle anomalies
- Understand the physiology of different single ventricle cardiac anomalies to guide echocardiographic imaging
- Identify surgical repairs and/or palliations of single ventricle anomalies
- Apply the imaging views and techniques taught in conference into day-to-day practices
- Comprehend the limitations of echocardiography and the need for multi-modality imaging

Online registration is available at luriechildrens.org/sonographer

Course information

DATE AND LOCATION

Saturday, April 6, 2019
6 a.m.–4:30 p.m.
Lurie Children’s
11th Floor Conference Center
225 East Chicago Avenue
Chicago, Illinois 60611

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.

TEACHING MATERIAL

Attendees will receive USB drives with pre-loaded lectures. An option to purchase a paper binder will be available during online registration for \$25.

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, March 29, 2019. No refunds will be issued thereafter.

PARKING

Parking is available in the Huron-Superior garage, located at 225 E. Huron, with entrances on both Huron and Superior Streets. Participants will receive a reduced-rate parking ticket for \$25 upon check-in.

HOTEL

A limited number of rooms have been reserved at Cambria Hotel, located at 166 E. Superior Street, at a reduced rate of \$159, plus tax. Book directly at choicehotels.com/reservations/groups/OZ45R3 or 312.787.6000. Rooms must be booked on or before March 15, 2019, for the reduced rate.

CONFERENCE COST

ASE Member

Lecture with Hands-on Scanning
(space limited to 30)
\$250 on or before March 3, 2019
\$300 after March 3, 2019

Lecture only

\$200 on or before March 3, 2019
\$250 after March 3, 2019

Printed binder: \$25

Non- ASE Member

Lecture with Hands-on Scanning
(space limited to 30)
\$300 on or before March 3, 2019
\$360 after March 3, 2019

Lecture only

\$240 on or before March 3, 2019
\$300 after March 3, 2019

Printed binder: \$25

Online registration closes
Friday, April 5, 2019.

For conference
information contact

Kathy Nolan at
312.227.0390 or
kgnolan@luriechildrens.org

Agenda

TIME	TALK	FACULTY
6–6:45 a.m.	CHECK-IN AND BREAKFAST (INCLUDED)	
6:45–7 a.m.	Welcome	Angira Patel, MD, MPH, FASE Course Director
7–7:20 a.m.	Introduction to the Single Ventricle Heart	Michael R. Carr, MD
7:20–7:40 a.m.	Surgical Approach to the Single Ventricle: Stage 1 and Stage 2	Joseph M. Forbess, MD
7:40–8 a.m.	Surgical Approach to the Single Ventricle: Fontan and Transplantation	Carl L. Backer, MD
8–8:30 a.m.	Hypoplastic Left Heart Syndrome: Fetal and Transthoracic Echocardiography	Sheetal R. Patel, MD, FAAP, MSCI
8:30–9 a.m.	Tricuspid Atresia: Fetal and Transthoracic Echocardiography	Zhanna Roytman, RDCS
9–9:30 a.m.	Double Inlet Left Ventricle: Fetal and Transthoracic Echocardiography	Bridget B. Zoeller, MD
9:30–9:50 a.m.	BREAK AND REFRESHMENTS	
9:50–10:20 a.m.	Unbalanced Atrioventricular Septal Defect: Fetal and Transthoracic Echocardiography	Amy S. Lay, MD
10:20–10:50 a.m.	Severe Ebstein Anomaly: Fetal and Transthoracic Echocardiography	Joyce T. Johnson, MD, MSCI
10:50–11:10 a.m.	Postoperative Echocardiographic Assessment of Stage 1 Palliation	Peter R. Koenig, MD, FASE, FACC
11:10–11:30 a.m.	Postoperative Echocardiographic Assessment BDG and Fontan Circulation	Lisa W. Forbess, MD
11:30 a.m.–12:30 p.m.	LUNCH (INCLUDED) AND EXHIBITS	
12:30–1 p.m.	Keynote Address: Advances in Imaging the Single Ventricle Heart	Peter C. Frommelt, MD
1–1:30 p.m.	Advanced Non-Invasive Imaging Modalities in Assessing the Single Ventricle: When Echocardiography is Not Enough	Joseph A. Camarda, MD
1:30–1:45 p.m.	Creating a Neonatal Center for Excellence for the Single Ventricle Population	Michelle Steltzer, MSN, APN, CPNP, AC/PC
1:45–2:30 p.m.	Live Scanning from the podium	Aneta Cenda, RDCS
2:30–2:45 p.m.	BREAK AND REFRESHMENTS	
2:45–4:30 p.m.	Hands-on Scanning of the Fontan Physiology OR Interesting Case Presentations	
4:30 p.m.	ADJOURN	

About the presenters

Angira Patel, MD, MPH, FASE

Course Director

Attending Physician, Pediatric Cardiology
Ann & Robert H. Lurie Children’s Hospital of Chicago
Associate Professor of Pediatrics and Medical Education
Northwestern University Feinberg School of Medicine

Amanda Hauck, MD

Course Co-Director

Attending Physician, Pediatric Cardiology
Ann & Robert H. Lurie Children’s Hospital of Chicago
Assistant Professor of Pediatrics
Northwestern University Feinberg School of Medicine

Kathleen Nolan, BS, RDCS, RDMS

Program Coordinator

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

Carl L. Backer, MD

Chief Medical Philanthropy Officer
A.C. Buehler Professor of Surgery
Surgical Director, Pediatric Heart Transplant Program
Ann & Robert H. Lurie Children’s Hospital of Chicago
Professor of Surgery
Northwestern University Feinberg School of Medicine

Joseph A. Camarda, MD

Attending Physician, Pediatric Cardiology
Ann & Robert H. Lurie Children’s Hospital of Chicago
Assistant Professor of Pediatrics
Northwestern University Feinberg School of Medicine

Michael R. Carr, MD

Attending Physician, Pediatric Cardiology
Ann & Robert H. Lurie Children’s Hospital of Chicago
Associate Professor of Pediatrics
Northwestern University Feinberg School of Medicine

Aneta Cenda, RDCS

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

Joseph M. Forbess, MD

Division Head, Cardiovascular-Thoracic Surgery
Surgical Director, Single Ventricle Reconstruction Program
Willis J. Potts, MD, Professor of Surgery
Ann & Robert H. Lurie Children’s Hospital of Chicago
Professor of Surgery
Northwestern University Feinberg School of Medicine

KEYNOTE SPEAKER

Peter C. Frommelt, MD

Professor, Pediatric Cardiology
Medical College of Wisconsin
Director of Pediatric Echocardiography
Herma Heart Institute
Children’s Hospital of Wisconsin

Lisa W. Forbess, MD

Attending Physician, Adult Congenital Cardiology
Ann & Robert H. Lurie Children’s Hospital of Chicago
Associate Professor of Medicine and Pediatrics
Northwestern University Feinberg School of Medicine

Joyce T. Johnson, MD, MSCI

Attending Physician, Pediatric Cardiology
Ann & Robert H. Lurie Children’s Hospital of Chicago
Assistant Professor of Pediatrics
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Peter R. Koenig, MD, FASE, FACC

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Associate Professor of Pediatrics
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Amy S. Lay, MD

Attending Physician, Pediatric Cardiology
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Associate Professor of Pediatrics
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Sheetal R. Patel, MD, FAAP, MSCI

Attending Physician, Pediatric Cardiology
Ann & Robert H. Lurie Children’s Hospital of Chicago
Assistant Professor of Pediatrics
Northwestern University Feinberg School of Medicine

Zhanna Roytman, RDCS

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

Michelle Steltzer, MSN, APN, CPNP, AC/PC

Pediatric Nurse Practitioner Program Coordinator –
Single Ventricle Center of Excellence
Ann & Robert H. Lurie Children’s Hospital of Chicago

Bridget B. Zoeller, MD

Attending Physician, Pediatric Cardiology
Ann & Robert H. Lurie Children’s Hospital of Chicago
Assistant Professor of Pediatrics
Northwestern University Feinberg School of Medicine