

# Pediatric 3D Echocardiography Conference 2018:

*Beyond Pretty Pictures*

**October 5-6, 2018**

[childrenscolorado.org](http://childrenscolorado.org)

Early  
Registration  
Deadline:  
**9/14/2018**

## Pediatric 3D Echocardiography Conference 2018:

*Beyond Pretty Pictures*

### October 5-6, 2018

Children's Hospital Colorado  
Conference & Education Center  
Aurora, CO

#### Provided by

Children's Hospital Colorado  
Heart Institute



**Children's Hospital Colorado**

Affiliated with  
University of Colorado  
Anschutz Medical Campus

#### In collaboration with



#### Needs Statement

1% of all children are born with some form of congenital heart disease. Imaging in two-dimensional echocardiography (heart ultrasound) is routine for congenital heart disease. Three-dimensional (3D) echocardiography can enhance the understanding of congenital heart disease. Training in 3D echocardiography can help sonographers and physicians taking care of congenital heart disease patients better assist in accurate diagnosis, surgical planning, and catheter interventions.

#### Overview and Target Audience

This workshop will provide a detailed review of the clinical applications of 3D echocardiography in the evaluation of pediatric congenital & acquired heart disease. It will address assessment of structural pathology, evolution & mechanisms of valve failure, myocardial function, fusion imaging, and 3D echocardiography guidance on catheter intervention. Attendees will learn practical clinical applications of 3D echocardiography in pre and post-surgical assessments and planning. Future directions in this exciting and rapidly evolving field will also be explored. This conference will be of interest to physicians, sonographers, and healthcare providers who take care of patients with congenital heart disease.

#### Educational Objectives

Upon conclusion of the conference, participants should be able to:

- Recognize basic principles and pitfalls of 3D echocardiography
- Describe 3D echocardiography best practices in simple and complex congenital heart defects
- Demonstrate hands-on 3D image acquisition capabilities
- Perform post-processing analysis of congenital heart disease
- Identify the role of 3D echocardiography in catheter and operational interventions

#### Other highlights of the course:

- Catered breakfast, lunch, and snacks
- Live scanning on pediatric cardiac patients
- Opportunity to network with echocardiography colleagues

#### Continuing Education Credit

A certificate of attendance will be available upon completion of the online evaluation for all attendees.

#### Medical

Children's Hospital Colorado is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Children's Hospital Colorado designates this live activity for a maximum of 15.50 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

#### Location and Parking

This conference will be held on the Anschutz Medical Campus at Children's Hospital Colorado, 13123 East 16th Avenue, Aurora, Colorado. Please enter the hospital at the main entrance and take the elevators to the Conference and Education Center on the second floor, Mt. Princeton.

Children's Colorado and University of Colorado Hospital employees must park in their designated area. Free parking for conference guests is available on the lower level of the family/visitor parking structure, just south of the hospital's main entrance.

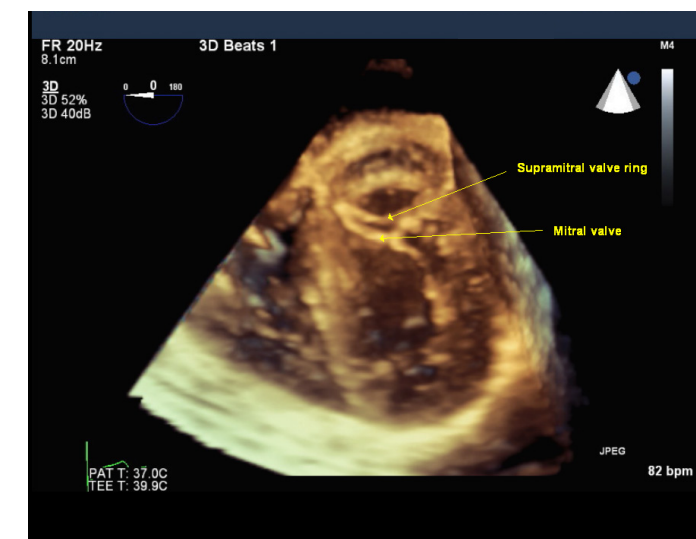
Please visit [childrenscolorado.org/directions](http://childrenscolorado.org/directions) for driving directions to Children's Hospital Colorado.

#### Accommodations

Local housing list will be provided in your confirmation letter. Several hotels available within walking distance to our hospital.

#### Acknowledgement

We wish to thank our participating exhibitors for their support.



## Agenda

### Friday, October 5, 2018

7:00 a.m. Registration & Continental Breakfast

#### 8:00 Welcome & Opening Remarks

*Dr. Nee Khoo*

*Dr. Pei-Ni Jone*

#### Session 1: 3D Echocardiography Keynote & Catheter Intervention

#### 8:10 Keynote Speaker: Past and Present 3D Echocardiography

*Dr. Jeffrey Smallhorn*

#### 8:40 Live 3D Catheter Intervention

*Dr. Nee Khoo – Moderator*

*Dr. Pei-Ni Jone*

*Dr. Michael Ross*

#### 8:50 Interventional Perspective: What the Cath Physician Wants

*Dr. Gareth Morgan*

#### 9:00 Live 3D Catheter Intervention Continuation

*Dr. Dale Burkett*

*Dr. Pei-Ni Jone*

*Dr. Michael Ross*

9:10 Coffee Break

#### 9:20 3D Echocardiography in Catheter Intervention: Fusion Imaging

*Dr. Pei-Ni Jone*

#### 9:40 Q & A

#### Session 2: 3D Echocardiography of Assessment of AV Valves & Function

#### 9:50 Mitral Valve

*Dr. Jeffrey Smallhorn*

#### 10:20 Tricuspid Valve

*Dr. Timothy Colen*

#### 10:50 3D Echo in Left Ventricular Function, Volume

*Dr. Gerald Marx*

#### 11:20 3D Echo in Right Ventricular Function, Volume

*Dr. Pei-Ni Jone*

#### 11:50 Q & A

12:00 p.m. Lunch (provided)

#### 1:00 Hands-On Workshop: Image Acquisition & Offline Analysis

3:00 Coffee Break and Switch Groups

3:15 Hands-On Workshop: Image Acquisition & Offline Analysis

5:15 Adjourn

5:30 Evening Reception

### Saturday, October 6, 2018

7:30 a.m. Registration & Continental Breakfast

#### 8:00 Workshop Updates

*Dr. Pei-Ni Jone*

#### Session 3: 3D Assessment of Simple and Complex Cardiac Outflows

#### 8:10 Aortic Valve, Left Ventricular Outflow Tract Obstruction, and VSDs

*Dr. Timothy Colen*

#### 8:40 Atrioventricular Septal Defect

*Dr. Benjamin Goot*

#### 9:10 Early Valve Failure: Role of 3D in a Return to the OR

*Dr. Nee Khoo*

#### 9:35 Surgical Perspective

*Dr. James Jagers*

#### 10:00 Q & A

10:10 Coffee Break

#### Session 4: Complex Cardiac Outflows, Future Directions

#### 10:25 Double Outlet Right Ventricle

*Dr. Jeffrey Smallhorn*

#### 10:55 Straddling Atrioventricular Valves

*Dr. Nee Khoo*

#### 11:25 Future of 3D Echocardiography

*Dr. Gerald Marx*

#### 11:50 Q & A

12:00 p.m. Lunch (provided)

#### 1:00 Hands-On Workshop: Image Acquisition & Offline Analysis II

3:00 Coffee Break and Switch Groups

3:15 Hands-On Workshop: Image Acquisition & Offline Analysis II

5:15 Evaluation and Adjourn

## Conference Faculty

### Course Co-Directors

#### Pei Ni Jone, MD

Associate Professor, Pediatric Cardiology

Director of 3D Echocardiography

Children's Hospital Colorado

University of Colorado School of Medicine

#### Nee Khoo, MBChB

Associate Director of Echocardiography

Associate Professor of Pediatrics

Stollery Children's Hospital

University of Alberta

### Course Coordinator

#### Lisa Le, RDCS, (AE PE), RVT, BS

Pediatric Cardiac Sonographer Associate

Children's Hospital Colorado

### Keynote Speaker

#### Jeffrey F. Smallhorn, MBBS

Emeritus Professor of Paediatrics

Stollery Children's Hospital

University of Alberta

### Invited Faculty

#### Dale Burkett, MD

Assistant Professor, Pediatric Cardiology

Children's Hospital Colorado

University of Colorado School of Medicine

#### Timothy Colen, MBBS

Assistant Professor of Pediatrics

Stollery Children's Hospital

University of Alberta

#### Benjamin Goot, MD

Assistant Professor of Pediatrics

Pediatric Cardiology

The Herma Heart Institute

Children's Hospital of Wisconsin

#### James Jagers, MD

Barton Elliman Chair and Chief Surgery of Pediatric

Professor of Surgery

Children's Hospital Colorado

University of Colorado School of Medicine

#### Gerald Marx, MD

Director of Ultrasound Imaging Research

Associate Professor of Pediatrics

Boston Children's Hospital

Harvard Medical School

# Registration

Registration is online.

[childrenscolorado.org/CE](http://childrenscolorado.org/CE)

Register online by Sept. 14, 2018 to take advantage of the early registration fee.

#### Gareth Morgan, MB, BaO, BCh

Associate Professor of Cardiology

Congenital Interventional Cardiologist

Children's Hospital of Colorado

University of Colorado School of Medicine

#### Michael Ross, MD

Assistant Professor, Pediatric Cardiology

Children's Hospital Colorado

University of Colorado School of Medicine

### Live Scanning Educators

Jesse Aguilar, RDCS, (AE PE), RVT, BS

Carlie Brewer, RDCS, (AE PE), BS

Kourtney Brooks, RCCS

Mollie Schoenhals, RDCS, (PE), RCCS

Adam Sutherland, RDCS, (AE PE), RVT

## Registration Fees

	By 9/14	After 9/14
Physicians	\$450	\$500
Fellows, Sonographers and Allied Health	\$350	\$400

## Cancellation Policy

No refunds will be granted for non-attendance, although you may send a substitute. The Planning Committee reserves the right to alter the agenda or cancel the conference in the event of an unforeseen circumstance, or if the minimum registration is not attained by September 14, 2018 with a full refund to participants.

## Further Information

If you have questions or to request arrangements to accommodate a disability, please email Lisa Le at [lisa.le@childrenscolorado.org](mailto:lisa.le@childrenscolorado.org) at least 3 weeks prior to conference.