

## In-House Monthly Hands-On Surgical Training (HOST)

### CONGENITAL HEART SURGERY

Last Mondays of Month, Between 17:30 -20:00 pm EST

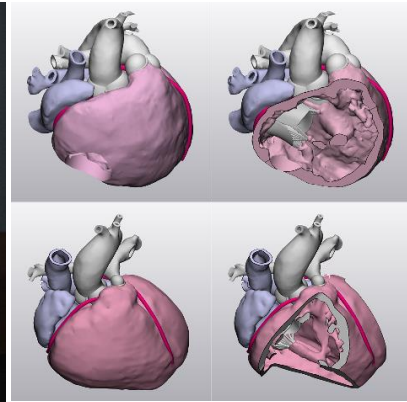
Hospital for Sick Children, Toronto, Canada

Co-Host: Congenital Heart Academy



The Labatt Family  
Heart Centre

[www.3dprintheart.ca](http://www.3dprintheart.ca)



2021		2022	
Date	Topic	Date	Topic
Jul 26	VSD	Jan 31	TGA Arterial switch operation
Aug 30	<u>Supravalvar</u> aortic stenosis	Feb 28	Ross procedure
Sep 26	TOF	Mar 28	ALCAPA
Oct 25	AVSD	April 25	Truncus arteriosus
Dec 10-12	Annual HOST	May 30	Double switch operation

♥ Generously Supported by Fabiola and Peter Butler, and Penny and Joe del Moral ♥

**Proctors:**

David Barron, Head of Cardiovascular Surgery Appointee, Hospital for Sick Children, Toronto  
John Coles, Staff Cardiovascular Surgeon, Hospital for Sick Children, Toronto  
Osami Honjo, Staff Cardiovascular Surgeon, Hospital for Sick Children, Toronto  
Christoph Haller, Staff Cardiovascular Surgeon, Hospital for Sick Children, Toronto  
Rachel Vanderlaan, Staff Cardiovascular Surgeon, Hospital for Sick Children, Toronto  
Salvatore Agati, Chief of Pediatric Cardiac Surgery, Bambino Gesù Hospital, Taormina, Italy  
Glen van Arsdell, Chief of Cardiovascular Surgery, Ronald Reagan UCLA Medical Center, USA

**Course Coordinators:**

Shi-Joon Yoo, Staff Cardiac Radiologist, Hospital for Sick Children, Toronto  
Ankavipar Saprungruang, 3D Printing Research Fellow, Hospital for Sick Children, Toronto  
Brandon Peel, 3D Printing Program Manager, Hospital for Sick Children, Toronto  
Caroline Robertson, Administrative Assistant, Hospital for Sick Children, Toronto

**Eligible applicants:** Cardiovascular surgeons on staff position or in training

**Registration fee:** Canadian \$300-400 per model plus freight charges (one-time \$200 additional charge for new attendees who do not have a simulation table set, webcam and surgical light)

**Registration deadline:** 6 weeks in advance of the date of event.

**Registration:** visit <https://www.3dprintheart.ca/events>

**Contact Ms. Caroline Robertson or Brandon Peel for further information.**

E-mail: caroline.robertson@sickkids.ca, brandon.peel@sickkids.ca / Phone: 1-416-813-6029

**Course Format:**

This in-person / online course is the SickKids' cardiovascular surgical fellows' training program. We share the program with the surgeons in need for hands-on surgical training. The interested surgeons can attend the course by registering each session as described above. The registered applicants will be provided with the model or models in advance by mail. The attendees will practice the procedure, which will be viewed in real-time by the proctors through a webcam. The proctors will monitor the attendee's procedure to give technical advice and take questions throughout the session.

**Simulation table setting:**

The simulation table setting is important for proper proctoring as well as surgical procedure. The setting is mandatory for all online attendees. The setting consists of a plastic stand, a suture retraction disc, a web-cam and lighting equipment. The base plate of the model is mounted in the plastic stand that can be firmly placed with adhesive tape on a standard table top or a box. The environment and surgical ergonomics in the operating room can further be simulated by using a Chest-wall Operating-table Simulator (photo attached). This Chest-wall and Operating-table simulator can be purchased after registration is complete. The attendees should set a high-resolution webcam that is properly angled and zoomed to capture the surgical scene for recording and real-time technical advice from the proctor.

### Course requirements:

Provided by the Course Organizers:

1. Simulation heart models
2. Simulated surgical patches
3. Surgical simulation table setting (needs to be purchased onetime)

### Equipment required by attendees:

1. Laptop computer and Zoom® account
2. Surgical instruments
3. Sutures

### Chest-wall Operating table Simulator

(<https://threedmedprint.biomedcentral.com/articles/10.1186/s41205-020-00067-4>. Can be purchased at Canadian \$1500 on advanced order by October 15, 2021)

