

HANDS-ON SURGICAL TRAINING (HOST) 2021

CONGENITAL HEART DISEASE SURGERY

Online Course on Repair of Tetralogy of Fallot

Date: June 12, 7:30-11:50 am (Eastern Daylight Time)

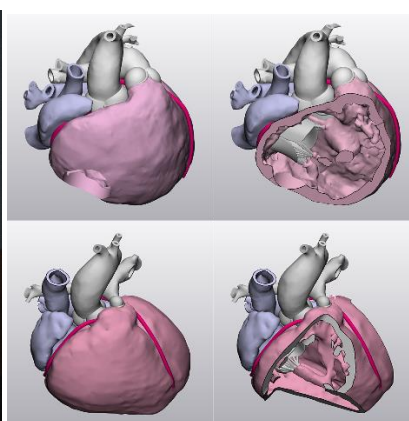
Hospital for Sick Children, Toronto, Canada

Co-Host: Congenital Heart Academy



The Labatt Family
Heart Centre

www.3dprintheart.ca



PROGRAM

June 12 2021	7:20-7:30 am	Log-in to Zoom	
	7:30-7:40 am	Opening address	D. Barron
	7:40-8:00 am	Principles and tips of repair of tetralogy of Fallot	D. Barron
	8:00-8:20 am	Demonstration: Valve-sparing repair	O. Honjo
	8:20-9:40 am	Hands-on Session 1: Valve sparing repair	All surgeons
	9:40-9:50 am	Break	All surgeons
	9:50-10:10 am	Demonstration: Transannular patch repair	D. Barron
	10:10-11:30 am	Hands-on Session 2: Transannular patch repair	All surgeons
	11:30-11:50 am	Evaluation / Q & A	
	11:50am -	Wrap-up	

♥ Generously Supported by Fabiola and Peter Butler ♥

Proctors:

Salvatore Agati, Chief of Pediatric Cardiac Surgery, Bambino Gesù Hospital, Taormina, Italy
David Barron, Head of Cardiovascular Surgery Appointee, Hospital for Sick Children, Toronto
John Coles, Staff Cardiovascular Surgeon, Hospital for Sick Children, Toronto
Christoph Haller, Staff Cardiovascular Surgeon, Hospital for Sick Children, Toronto
Osami Honjo, Staff Cardiovascular Surgeon, Hospital for Sick Children, Toronto
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
Zeynep Uçar, Research Fellow, 3D Print Heart Program, 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 (regular): Canadian \$1000 plus freight charges

Registration fee (Surgeons-in-Training): Canadian \$600 plus freight charges (Proof of Surgeon-in-Training status must be submitted)

Registration deadline: May 10, 2021. Accepted on a first-come, first-served basis.

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 online course is focused on the repair of tetralogy of Fallot. The registered applicants will be provided with two surgical simulation models in advance by mail. After a short introductory lecture and demonstration by a proctor, 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.

Models and simulation table setting:

The surgical simulation models are manufactured with soft flexible materials and mounted on a base plate. The models will be provided with 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. 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. Videos of demonstration of the procedures and Assessment Tools
(available at: <https://www.3dprintheart.ca/host-videos-assessments>)

Equipment required by attendees:

1. Laptop computer and Zoom® account
2. Surgical instruments
3. Sutures
4. Chest-wall Operating-table Simulator (optional)

Chest-wall Operating table Simulator

(<https://threedmedprint.biomedcentral.com/articles/10.1186/s41205-020-00067-4>. Can be purchased at Canadian \$1200 on advanced order by April 30)

