The Hospital for Sick Children, Toronto, Canada, is pleased to present a 2 ½-day, hands-on congenital heart disease surgery course for 12 cardiovascular surgeons to take place January 7-9, 2016. The pre-registered attendees will have the opportunity to perform five surgical procedures on their own 3D print models. These cases include tetralogy of Fallot, complete transposition of the great arteries with intact ventricular septum, two different forms of double outlet right ventricle and hypoplastic left heart syndrome. The hands-on sessions for each case will be preceded by didactic lectures on surgical anatomy, as well as discussions on the techniques. Attendees will be divided into groups of two and each will have the opportunity to perform the procedures as primary operator and assistant. The established cardiovascular surgeons will be available for advice and demonstration of the procedures throughout the course.

Each attendee will be provided with the models, surgical patches, needles and threads; however, each should bring their own surgical needle holders, forceps, loupes and other individually-required instruments and gadgets.

Please note that there are only 12 spots available and that the application will be accepted on a first-come, first-served basis with the priority given to the trainees.
# HANDS-ON SURGICAL TRAINING (HOST) 2016
## CONGENITAL HEART DISEASE SURGERY WITH 3D PRINT MODELS

### PROGRAM

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Topics</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 7</td>
<td>7:50-8:00</td>
<td>Opening address / Course overview / house keeping</td>
<td>Glen van Arsdell</td>
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<tr>
<td></td>
<td>8:00-8:30</td>
<td>Surgical anatomy: Tetralogy of Fallot and related conditions</td>
<td>Glen van Arsdell</td>
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<tr>
<td></td>
<td>8:30-11:30</td>
<td>Hands-on session 1: A 6-month old infant with tetralogy of Fallot</td>
<td>All surgeons</td>
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<tr>
<td></td>
<td>11:30-12:10</td>
<td>Breaking the language barriers in segmental approach</td>
<td>Shi-Joon Yoo</td>
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<td>12:10-13:30</td>
<td>Lunch break</td>
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<tr>
<td></td>
<td>13:30-14:00</td>
<td>Surgical anatomy: Complete transposition of the great arteries</td>
<td>Thomas Spray</td>
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<td>14:00-17:30</td>
<td>Hands-on session 2: A newborn with TGA intact ventricular septum</td>
<td>All surgeons</td>
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<td></td>
<td>17:30-18:00</td>
<td>Discussion</td>
<td>All faculties</td>
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<tr>
<td></td>
<td>17:00-19:00</td>
<td>Wine and Cheese Reception</td>
<td>Optional: 3D printing for congenital heart disease surgery practice</td>
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<tr>
<td>Jan 8</td>
<td>7:30-9:00</td>
<td>Contemporary morphology session: DORV in your hands</td>
<td>Shi-Joon Yoo, Andreea Dragulescu and all surgeons</td>
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<tr>
<td></td>
<td>9:00-12:00</td>
<td>Hands-on session 3: A 3-month old infant, DORV with a subaortic but remote VSD</td>
<td>All surgeons</td>
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<td>12:00-13:30</td>
<td>Lunch break</td>
<td></td>
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<tr>
<td></td>
<td>13:30-14:00</td>
<td>Conduction tissue disposition in congenital heart diseases</td>
<td>Erle Austin</td>
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<tr>
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<td>14:00-17:00</td>
<td>Hands-on session 4: A newborn with Taussig-Bing malformation</td>
<td>All surgeons</td>
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<tr>
<td>Jan 9</td>
<td>8:00-8:30</td>
<td>Surgical anatomy: Functionally univentricular hearts</td>
<td>Glen van Arsdell</td>
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<td></td>
<td>8:30-11:30</td>
<td>Hands-on session 5: A newborn with hypoplastic left heart syndrome</td>
<td>All surgeons</td>
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<tr>
<td></td>
<td>11:30-12:00</td>
<td>Evaluation and closing</td>
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</tbody>
</table>

### FACULTIES

Glen van Arsdell, Head of Cardiovascular Surgery, Hospital for Sick Children, Toronto
Erle H. Austin, Cardiovascular Surgeon, Kosair Children’s Hospital, Louisville
Andreea Dragulescu, Cardiologist, Hospital for Sick Children, Toronto
Thomas L. Spray, Chief of Cardiovascular Surgery, Children’s Hospital of Philadelphia
Omar Thabit, Magnetic Resonance Technologist, Hospital for Sick Children, Toronto
Shi-Joon Yoo, Cardiac Radiologist, Hospital for Sick Children, Toronto
HANDS-ON SURGICAL TRAINING (HOST) 2016
CONGENITAL HEART DISEASE SURGERY WITH 3D PRINT MODELS

APPLICATION FORM

Last Name: __________________________  First Name: __________________________
Affiliated Hospital: __________________________________________________________
Mailing address: ______________________________________________________________
____________________________________________________________________________
_________________________ Zip Code________________
Tel: __________ Fax: __________ E-mail: __________________________

Questions about you:

• Your current position is:
  □ Staff pediatric cardiovascular surgeon
  □ Staff adult cardiovascular surgeon
  □ Cardiovascular surgery fellow
  □ Pediatric cardiovascular surgery fellow
  □ Other______________________________

• How many years have you performed cardiovascular surgery? ___________Years

• Have you attended any surgical simulation course before?
  □ Yes (Year__________, Name/Type of course__________________________________
  □ No

Registration Fee: $2500 US Dollars
• Please contact Caroline Robertson (416-813-6029) or Katherine McLaren (416-813-5823)
  with your credit card information

Registration Deadline: November 20, 2015

Contact Person for Registration:
Caroline Robertson
Department of Diagnostic Imaging
Hospital for Sick Children
555 University Avenue
Toronto, Ontario, Canada, M5G1X8
Tel: 416-813-6029
Fax: 416-813-8389
E-mail: caroline.robertson@sickkids.ca

Inquiry for Program:
Dr. Glen van Arsdell / Dr. Shi-Joon Yoo
Departments of Surgery & Diagnostic Imaging
Hospital for Sick Children
555 University Avenue
Toronto, Ontario, Canada, M5G1X8
Tel: 416-813-6037
Fax: 416-813-8389
E-mail: shi-joon.yoo@sickkids.ca

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