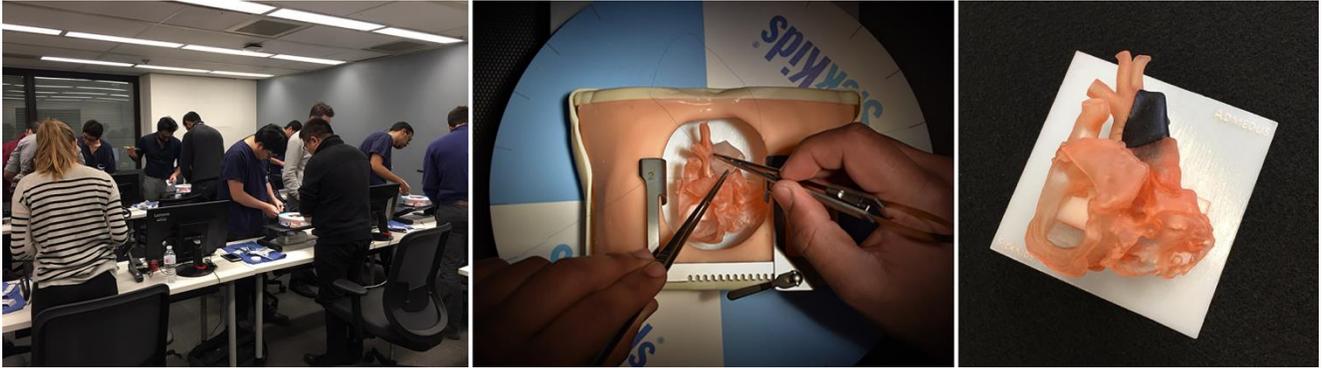


THE 5TH HANDS-ON SURGICAL TRAINING (HOST) CONGENITAL HEART DISEASE SURGERY WITH 3D PRINT MODELS

December 7-9, 2019

Peter Gilgan Centre for Research and Learning (PGCRL)

Hospital for Sick Children, Toronto, Canada



♥ Generously Supported by Fabiola and Peter Butler ♥

The registration fee will be waived for the surgeons in training.



Peter and Fabiola Butler live in Toronto and have generously supported the Labatt Family Heart Centre and the HOST Training Program. Peter was born in 1959 with Tetralogy of Fallot. In 1961, Peter had his first surgery; a right Blalock-Taussig shunt followed by the full repair, performed by Dr. William Mustard at the Hospital for Sick Children in 1969. In 1988, Peter had a pulmonary valve replacement performed by Dr. William Williams of SickKids at The Toronto General Hospital.

Peter and Fabiola graduated from Ryerson University each with Business degrees in 1986. They married in 1989. Peter has worked in the technology industry for more than 30 years and in 1998 he co-founded VocaLinks Inc. VocaLinks Inc. is recognized as a leading integrator of speech recognition and assistive technologies for Business, Education, Healthcare, and Law Enforcement. Fabiola left a career in the Financial Services industry to join the fledgling company in 2002 and has quietly guided the team ever since.

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PROGRAM

Day 1. December 7		
13:00-13:20	Registration	
13:20-13:30	Opening address	D. Barron
13:30-13:45	Flattening the worldwide standard of congenital heart surgery: A patient's perspective.	P. Butler
13:45-14:15	Demonstration 1. Arterial switch operation	D. Barron
14:15-14:30	Hands-on Practice Session	All surgeons
14:30-17:30	Break-out Hands-on Session 1	All surgeons
	Exposure track, Case 1	
	Rehearse-Rehearse-Rehearse track, Case 1	
18:30	Dinner	
Day 2. December 8		
7:30-8:00	Continental Breakfast	
8:00-9:00	Demonstration 2. RVOT reconstruction	O. Honjo
9:00-12:00	Break-out Hands-on Session 2	All surgeons
	Exposure track, Case 2	
	Rehearse-Rehearse-Rehearse track, Case 2	
12:00-13:00	Lunch	
13:00-14:00	Demonstration 3. Norwood operation	G. van Arsdell
14:00-17:00	Break-out Hands-on Session 3	All surgeons
	Exposure track, Case 3	
	Rehearse-Rehearse-Rehearse track, Case 3	
Day 3. December 9		
7:30-8:00	Continental Breakfast	
8:00-11:00	Break-out Hands-on Session 4	All surgeons
	Exposure track, Case 4	
	Rehearse-Rehearse-Rehearse track, Case 4	
11:00-12:00	Lunch	
12:00-15:00	Break-out Hands-on Session 5	All surgeons
	Exposure track, Case 5	
	Rehearse-Rehearse-Rehearse track, Case 5	
15:00-17:00	Master's Hands-on Session	All surgeons
	Exposure track, Case 1	
	Rehearse-Rehearse-Rehearse track, Case 1	
17:00-18:00	Q/A and Adjourn	
18:00-	Networking	

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December 7-9, 2019

Course Format:

Attendees are divided into groups of two to perform the procedures by alternating the roles of the primary operator and assistant with supervision from the proctors throughout the course. Two parallel tracks are available to choose.

Exposure track: Attendee chooses 5 cases from the choices listed below:

- Atrioventricular septal defect, complete form
- Tetralogy of Fallot
- Atrioventricular septal defect with tetralogy of Fallot
- Truncus arteriosus Type II
- Transposition of the great arteries for arterial switch operation
- Double outlet right ventricle with a subaortic VSD
- Double outlet right ventricle with a remote VSD aligned with subaortic outflow tract
- Double outlet right ventricle with a subpulmonary VSD
- Coarctation of the aorta with tubular hypoplasia of the aortic arch
- Hypoplastic left heart syndrome for Norwood operation
- Interrupted aortic arch with a posterior malalignment VSD
- Truncus arteriosus with interrupted aortic arch

Rehearse-Rehearse-Rehearse track: Attendee chooses one of 4 R-tracks listed below:

R-Track 1: Arterial switch operation:

- Case 1. Transposition of the great arteries (1LCx2R) for arterial switch operation
- Case 2. Transposition of the great arteries (1L2RCx) for arterial switch operation
- Case 3. Transposition of the great arteries with VSD and aortic arch obstruction
- Case 4. Transposition of the great arteries with VSD and LV outflow tract obstruction
- Case 5. Taussig-Bing malformation

R-Track 2: Aortic arch reconstruction :

- Case 1. Coarctation of the aorta with tubular hypoplasia of the aortic arch 1
- Case 2. Coarctation of the aorta with tubular hypoplasia of the aortic arch 2
- Case 3. Interrupted aortic arch with a posterior malalignment VSD
- Case 4. Hypoplastic left heart syndrome for Norwood operation
- Case 5. Double inlet left ventricle with aortic arch obstruction

R-Track 3: RVOT reconstruction :

- Case 1. Tetralogy of Fallot for transannular repair
- Case 2. Tetralogy of Fallot for valve saving surgery
- Case 3. Tetralogy of Fallot with left anterior descending coronary artery from RCA
- Case 4. Truncus arteriosus Type II
- Case 5. Tetralogy of Fallot with pulmonary atresia and unifocalizable MAPCAs

R-Track 4: Atrioventricular septal defects :

- Case 1. Partial atrioventricular septal defect with left ventricular outflow tract stenosis
- Case 2. Complete atrioventricular septal defect, Rastelli type A
- Case 3. Complete atrioventricular septal defect, Rastelli type B
- Case 4. Complete atrioventricular septal defect with deficient left lateral mural leaflet
- Case 5. Atrioventricular septal defect with tetralogy of Fallot

Course Coordinators:

Shi-Joon Yoo, Staff Cardiac Radiologist, Hospital for Sick Children, Toronto
Nabil Hussein, Research Fellow, 3D Print Heart Program, Hospital for Sick Children, Toronto

Proctors:

David Barron, Head of Cardiovascular Surgery Appointee, 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
Glen van Arsdell, Chief of Cardiovascular Surgery, Ronald Reagan UCLA Medical Center, USA

Eligible applicants: Cardiovascular surgeons on staff position or in training

Registration fee: Canadian \$2500 (Waived for the surgeons in training)

There are 12 spots available and the application will be accepted on a first-come, first-served basis.

**THE 5TH HANDS-ON SURGICAL TRAINING (HOST)
CONGENITAL HEART DISEASE SURGERY WITH 3D PRINT MODELS**

December 8-10, 2019

APPLICATION FORM

Name: _____ Date of Birth: _____

Affiliated hospital: _____

Current position: _____ Years: _____

I would like to take the following track: Exposure Track Rehearse-Rehearse-Rehearse Track: Track Number: _____

Mailing address: _____

E-mail: _____ Tel: _____ Fax: _____

This course is offered only to cardiac surgeons who can attend the entire course. By signing this form, I promise to attend the entire course without any interruption or withdrawal. I also consent to be videotaped or photographed while I attend the course for outcome assessment of the course, and further authorize that the video clips and photographs of myself and my filled-in questionnaires /assessment forms may be used for publication or presentation for academic or promotional purposes of any form.

Sign: _____ Date: _____

Please e-mail or fax your application form to Caroline Robertson (caroline.robertson@sickkids.ca, 1-416-813-8389), and call Caroline Robertson (1-416-813-6029) with your credit card information to complete your registration. **Please note that application is on a first-come, first served basis.**

Satellite Hands-on Morphology Course

The 2nd Contemporary Morphology Course with Specimens and 3D Print Models

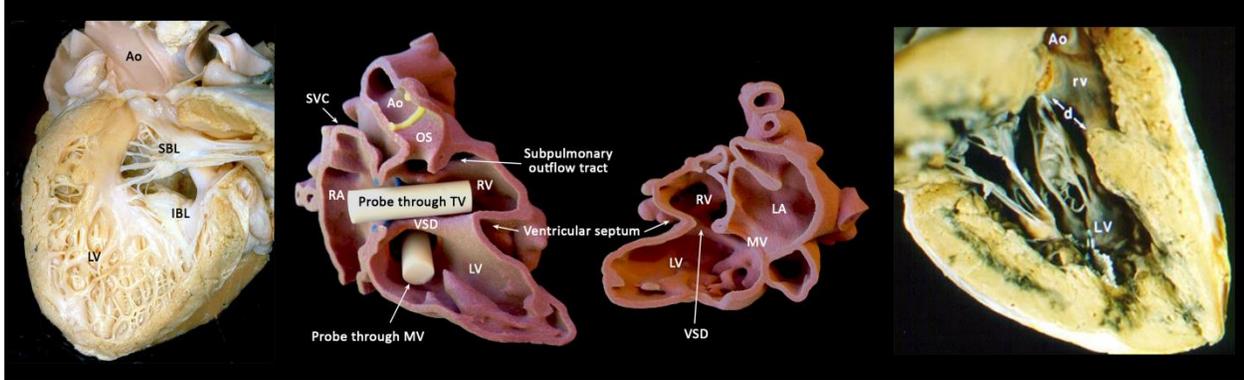
CONGENITAL HEART DISEASES IN YOUR HANDS

♥ Abnormalities of the Atrioventricular Junction ♥

December 6-7, 2019

Peter Gilgan Centre for Research and Learning (PGCRL)

Hospital for Sick Children, Toronto, Canada



Registration fee: For Attendees of the HOST course Canadian \$250 (Not waived for the surgeons in training)

APPLICATION FORM

Name: _____ Specialty: _____

Affiliated hospital: _____

Current position: _____ Years: _____

Mailing address: _____

E-mail: _____ Tel: _____ Fax: _____

I consent to be photographed or video-taped on December 6-7, 2019 while I participate in this course. I further authorize that the photographs and video clips of myself and my filled-in questionnaire may be used for publication or presentation for academic or promotional purposes in any form.

Sign: _____ Date: _____

Please e-mail or fax your application form to Caroline Robertson (caroline.robertson@sickkids.ca, 1-416-813-8389), and call Caroline Robertson (1-416-813-6029) with your credit card information to complete your registration. **Please note that application is on a first-come, first served basis.**

The 2nd Contemporary Morphology Course with Specimens and 3D Print Models

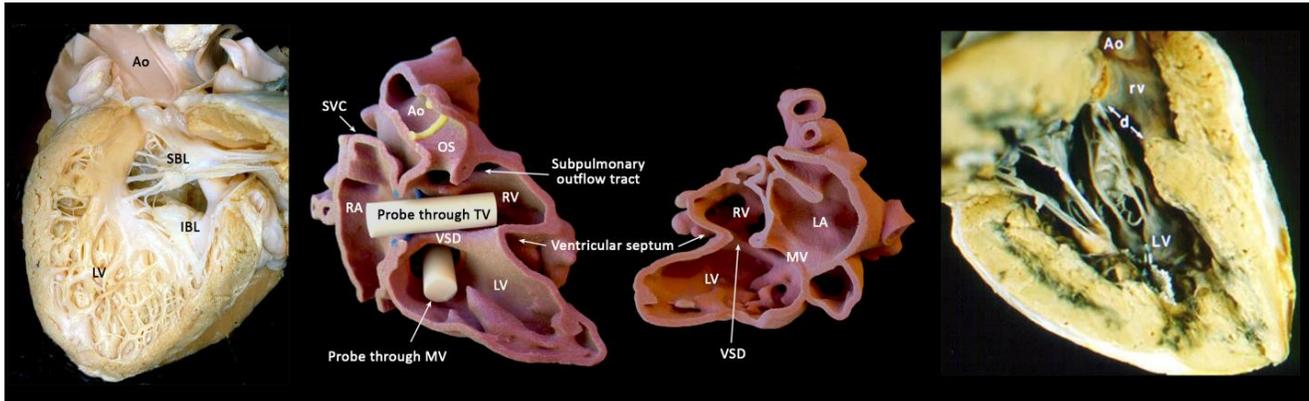
CONGENITAL HEART DISEASES IN YOUR HANDS

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Hospital for Sick Children, Toronto, Canada



Course Overview:

This 2nd hands-on course aims to provide the physicians with an ample opportunity to learn congenital heart morphology by directly observing the pathologic specimens and 3D print models. This course will focus on the congenital abnormalities of the atrioventricular junction. There will be 4 hands-on sessions that are preceded by a series of didactic lectures. To allow for an optimal learning environment, we limit the number of participants to 40. The application will be accepted on a first-come, first served basis.

Target Audience: Physicians specializing paediatric cardiology, adult congenital heart diseases, intensive care, cardiac imaging, cardiac pathology, paediatric pathology or cardiovascular surgery.

Faculties

David Chiasson, Staff pathologist, Hospital for Sick Children, Toronto
David Barron, Head of Cardiovascular Surgery, Hospital for Sick Children, Toronto
Anica Bulic, Staff Cardiologist and Electrophysiologist, Hospital for Sick Children, Toronto
Vitor Guerra, Staff Cardiologist, Hospital for Sick Children, Toronto
Christoph Haller, Staff Cardiovascular Surgeon, Hospital for Sick Children, Toronto
Nabil Hussein, Research Fellow, 3D Print Heart Program, Hospital for Sick Children, Toronto
Konstantin Krutikov, Pathology Lab. Scientist, Hospital for Sick Children, Toronto
Christopher Lam, Staff Cardiac Radiologist, Hospital for Sick Children, Toronto
Mike Seed, Head of Paediatric Cardiology, Hospital for Sick Children, Toronto
William Williams, Professor Emeritus of Cardiovascular Surgery, Hospital for Sick Children, Toronto
Shi-Joon Yoo, Staff Cardiac Radiologist, Hospital for Sick Children, Toronto

Registration fee: Canadian \$500 / For Attendees of the HOST course \$250

Contact Ms. Caroline Robertson or Dr. Shi-Joon Yoo for further information.

E-mail: caroline.robertson@sickkids.ca, shi-joon.yoo@sickkids.ca / Phone: 1-416-813-6029

The 2nd Contemporary Morphology Course with Specimens and 3D Print Models

CONGENITAL HEART DISEASES IN YOUR HANDS

♥ Abnormalities of the Atrioventricular Junction ♥

December 6-7, 2019

PROGRAM

Day 1. December 6, 2019		
7:40-8:00	Registration / Continental Breakfast	
8:00-8:10	Opening address	Chiasson / Seed
8:10-8:40	Normal anatomy of the atrioventricular junction	D. Chiasson
8:40-9:10	Base of the ventricles: Key plane for morphologic understanding of CHD	S.J. Yoo
9:10-9:40	Morphology-Imaging-Surgical Correlation: Septal defects involving the atrioventricular junction	M. Seed
9:40-10:10	Morphology-Imaging-Surgical Correlation: Ebstein's malformation and related conditions	D. Barron
10:10-10:30	Break	
10:30-11:50	Hands-on session 1: Septal defects, Ebstein's malformation and things	All faculties
11:50-12:50	Lunch	
12:50-13:10	Morphology-Imaging-Surgical Correlation: Mitral valve pathologies	C. Lam
13:10-13:30	Endocardial fibrosis: Pathogenesis and pathology	D. Chiasson
13:15-13:40	Morphology-Imaging-Surgical Correlation: Hypoplastic left heart syndrome and related conditions	C. Haller / V. Guerra
13:40-14:40	Hands-on session 2: Mitral valve pathologies and hypoplastic left hearts	All faculties
14:40-15:00	Break	
15:00-15:30	Morphology-Imaging-Surgical Correlation: Discordant atrioventricular connection spectrum	C. Lam
15:30-16:00	Morphology-Imaging-Surgical Correlation: Straddling and overriding atrioventricular valves	S.J. Yoo
16:00-17:00	Hands-on session 3: Straddling AV valves / Discordant AV connections	All faculties
17:20-18:00	Wine & Cheese	
	SickKids 3D Print Heart Program	N. Hussein
Day 2. December 7, 2019		
8:00-8:20	Continental Breakfast	
8:20-9:00	Morphology-Imaging-Surgical Correlation: Univentricular atrioventricular connections	V. Guerra
9:00-9:40	Morphology-Imaging-Surgical Correlation: Twisted, criss-cross, superior/inferior, topsy-turvy, etc. What do they mean?	S. J. Yoo
9:40-10:10	Conduction tissue disposition in abnormalities of the atrioventricular junction	A. Bulic
10:10-11:40	Hands-on session 4: Univentricular, twisted or criss-cross, topsy-turvy hearts	All faculties
11:40-12:00	Q/A and evaluation	
12:00 -13:00	Adjourn and Lunch	

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REGISTRATION FORM

Name: _____ Sign: _____

Affiliated hospital: _____

Current position: _____ Years: _____

Mailing address: _____

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