

2nd annual Clinical Cardiopulmonary Physiology for the Care of the Sick Newborn

November 23-24, 2018

**Hosted by
Toronto Program for Developmental Hemodynamics**

**Conference Venue
Mount Sinai Hospital, Toronto ON**

**Target Audience
Trainees, staff physicians, and healthcare professionals
providing critical care to neonates**

Organizing Committee

Dr. Amish Jain
Dr. Patrick McNamara
Dr. Dany Weisz
Dr. Ashraf Kharrat
Michelle Baczynski
Sharifa Habib
Charlene Wong

Topics Include

Transitional physiology
Approach to hypotension
PDA physiology
Acute & chronic pulmonary HTN
Sepsis management update
Common arrhythmias
TnECHO workshop

NEW!

Pre-conference workshops

Foundational physiology for allied health professionals
Ventilation simulator workshop

Special session on septic shock

Until August 31st (early bird discount)

\$199 for Nurses, Fellows, Allied Health Professionals
\$249 for Staff Physicians

After August 31st

\$249 for Nurses, Fellows, Allied Health Professionals
\$299 for Staff Physicians

Registration Link

<https://facmed.registration.med.utoronto.ca/portal/events/reg/participantTypeSelection.do?method=load&entityId=1195739>

FRIDAY NOVEMBER 23, 2018

9:00 – 9:30AM	Registration	
9:30 – 9:45AM	Introduction and welcome	
PRE-CONFERENCE WORKSHOPS		
10:00 – 11:00AM	Overview of targeted neonatal echocardiography	TNE Group
11:00 – 12:00PM	<i>Basics of imaging, cases for discussion, simulator</i>	
10:00 – 11:00AM	Critical care physiology for allied health professionals	Sharifa Habib and Michelle Baczynski
11:00 – 12:00PM	<i>Special session for nurses/NPs, RTs, pharmacists, dieticians</i>	
10:00 – 11:00AM	Ventilation workshop	Jaques Belik
11:00 – 12:00PM	<i>Ventilation basics using a ventilation simulator</i>	
12:00 – 1:00PM	LUNCH	
SESSION 1 – FOUNDATIONS IN NEONATAL PHYSIOLOGY		
1:00 – 1:25PM	Normal neonatal myocardium	Dr. Philip Levy
1:25 – 1:50PM	Essential principles of cardiovascular physiology	Dr. Mark Friedberg
1:50 – 2:00PM	Question and answer period	All
2:00 – 2:10PM	BREAK	
2:10 – 2:35PM	Oxygenation in the NICU	Dr. Satyan Lakshminrusimha
2:35 – 3:00PM	Transitional physiology	Dr. Satyan Lakshminrusimha
3:00 – 3:10PM	Question and answer period	
3:10 – 3:20PM	BREAK	
3:20 – 3:45PM	Special considerations in the transition of the preterm infant	Dr. Dany Weisz
SESSION 2 – INTENSIVE CARE AND MONITORING OF THE NEWBORN		
3:45 – 4:10PM	Monitoring of the cardiovascular system in the NICU	Dr. Philip Levy
4:10 – 4:20PM	BREAK	
4:20 – 4:45PM	Neuro-hormonal regulation of blood pressure	Dr. Jaques Belik
4:45 – 5:05PM	Common arrhythmias in the newborn	Dr. Edgar Jaeggi
5:05 – 5:15PM	Question and answer period	
5:15 – 5:30PM	Wrap-up	
SATURDAY NOVEMBER 24, 2018		
8:00 – 8:25AM	Cardiopulmonary interactions in the mechanically ventilated infant	Dr. Dany Weisz
8:25 – 8:50AM	Approach to the hypotensive infant	Dr. Regan Giesinger
8:50 – 9:00AM	Question and answer period	All
9:00 – 9:10AM	BREAK	
SPECIAL SESSION ON SEPTIC SHOCK		
9:10 – 10:00AM	Pathophysiology of septic shock	Dr. Oshri Zaulan
10:00 – 10:10AM	BREAK	
10:10 – 10:30AM	Hemodynamics of neonatal sepsis	Dr. Joseph Ting
10:30 – 10:50AM	Role of TNE	Dr. Sébastien Joye
10:50 – 11:10AM	Question and answer period	All
11:10 – 11:20AM	BREAK	
SESSION 3 – CARDIOVASCULAR PATHOLOGIES OF THE PRETERM INFANT		
11:20 – 11:45AM	Hemodynamics of cerebral injury in the preterm infant	Dr. Poorva Deshpande
11:45 – 12:10PM	PDA physiology in 2018	Dr. Patrick McNamara
12:10 – 12:20PM	Question and answer period	All
12:20 – 1:30PM	LUNCH	
1:30 – 1:55PM	Post-PDA ligation physiology	Dr. Regan Giesinger
1:55 – 2:20PM	Chronic pulmonary hypertension in BPD	Dr. Amish Jain
2:20 – 2:30PM	Question and answer period	All
2:30 – 2:40PM	BREAK	
SESSION 4 – CARDIOVASCULAR PATHOLOGIES OF THE TERM INFANT		
2:40 – 3:05PM	Physiologic principles in PPHN	Dr. Amish Jain
3:05 – 3:30PM	Hemodynamic compromise: special considerations in HIE, IDM, AVM	Dr. Regan Giesinger
3:30 – 3:45PM	Question and answer period	All
3:45 – 4:00PM	Wrap-up and feedback	