

OCTOBER 24, 2022		
SPECIAL SESSION – CARDIOPULMONARY DETERIORATION FROM RESUSCITATION TO NICU		
Session Moderators: <i>To be confirmed</i>		
11:00-11:20 EST	Cardiopulmonary monitoring during resuscitation	Dr. Anup Katheria
11:20-11:40 EST	Anticipating cardiopulmonary decompensation	Sharifa Habib
11:40-12:00 EST	Ventilation-perfusion matching	Michelle Baczynski
12:00-12:20 EST	Mechanism of action for common inotropes and vasopressors	Dr. Audrey Hebert
12:20-13:00 EST	Question and answer period	
SESSION 1 – FOUNDATIONS IN NEONATAL PHYSIOLOGY		
Session Moderators: Dr. Shiran Sara Moore & Dr. Bonny Jasani		
14:00-14:20 EST	Essential principles of cardiovascular physiology	Dr. Patrick McNamara
14:20-14:40 EST	Normal neonatal myocardium	Dr. Philip Levy
14:40-15:00 EST	Cardiopulmonary interactions	Dr. Dany Weisz
15:00-15:20 EST	Assessment of tissue oxygenation	Dr. Adrienne Rahde Bischoff
15:20- 16:00 EST	Question and answer period	
OCTOBER 25, 2022		
SESSION 2 – USE OF BEDSIDE ULTRASOUND IN MONITORING OF THE NEWBORN		
Session Moderators: Dr. Aisling Smith & Dr. Sagee Nissimov		
14:00-14:20 EST	USS to aid central line placement and manipulation	Dr. Benjamin Kozyak
14:20-14:40 EST	Clinical application of lung ultrasound in the NICU	Dr. Lauren Ruoss
14:40-15:00 EST	Clinical application of TNE in the NICU	Dr. Michael Castaldo
15:00-15:20 EST	Hemodynamics guided ECMO care	Dr. Amy Stanford
15:20- 16:00 EST	Question and answer period	
OCTOBER 26, 2022		
SESSION 3 – NEURO HEMODYNAMICS & APPLICATION OF NEAR-INFRARED SPECTROSCOPY		
Session Moderators: Dr. Gabriel Altit & Dr. Lara Leijser		
14:00-14:20 EST	Cerebral NIRS	Dr. Valerie Chock
14:20-14:40 EST	Cerebral autoregulation	Dr. Zach Vesoulis
14:40-15:00 EST	Hemodynamics of cerebral injury in the preterm infant	Dr. Poorva Deshpande
15:00-15:20 EST	Hypoxic ischemic encephalopathy physiology	Dr. Regan Giesinger
15:20- 16:00 EST	Question and answer period	
OCTOBER 27, 2022		
SESSION 4 – SEPSIS		
Session Moderators: Dr. Adrienne Rahde Bischoff & Dr. Faith Zhu		
14:00-14:20 EST	Sepsis physiology	Dr. Shelley Lawrence
14:20-14:40 EST	Therapeutic approach to sepsis induced hemodynamic derangements	Dr. Ashraf Kharrat
14:40-15:00 EST	The use of echocardiography in sepsis	Dr. Koert de Waal
15:00-15:20 EST	The use of artificial intelligence & heart rate observation system (HeRO) monitoring in sepsis	Dr. Danielle Rios
15:20- 16:00 EST	Question and answer period	
OCTOBER 28, 2022		
SESSION 5 – CARDIOVASCULAR PATHOLOGIES OF THE PRETERM AND TERM INFANT		
Session Moderators: Dr. Philip Levy & Dr. Amy Stanford		
14:00-14:20 EST	Acute PH in neonates: physiology at the bedside	Dr. Satyan Lakshminrusimha
14:20-14:40 EST	Transitional hypotension	Dr. Eugene Dempsey
14:40-15:00 EST	PDA physiology in 2022	Dr. Patrick McNamara
15:00-15:20 EST	Chronic pulmonary hypertension	Dr. Amish Jain
15:20-15:40 EST	Approach to the hypotensive infant	Dr. Regan Giesinger
15:40-16:30 EST	Question and answer period	