

OCTOBER 20, 2023		
<b>SESSION 1- ALLIED HEALTH TOPICS</b>		
Session Moderators: Emily Spellman & Michelle Baczynski		
10:00-10:05 EST	Session introduction by moderators	
10:05-10:25 EST	Cardiopulmonary monitoring during resuscitation	Dr. Anup Katheria
10:25-10:45 EST	Current practice & update on the use of iNO in preterm infants	Dr. Timothy Boly
10:45-11:05 EST	Respiratory phenotype after device closure of the PDA	Dr. Ranjit Philip
11:05-11:25 EST	Case based presentation	Dr. Stephania Cavallaro
11:25-12:00 EST	<b>Question and answer period</b>	
<b>SESSION 2 – FOUNDATIONS IN NEONATAL PHYSIOLOGY</b>		
Session Moderators: Dr. Lauren Ruoss & Dr. Carl Backes		
13:00-13:05 EST	Session introduction by moderators	
13:05-13:30 EST	Essential principles of cardiovascular physiology	Dr. Patrick McNamara
13:30-13:55 EST	Normal neonatal myocardium	Dr. Philip Levy
13:55-14:20 EST	Cardiopulmonary interactions	Dr. Dany Weisz
14:20-14:40 EST	Case based presentation	Dr. Trassanee Chatmethakul
14:40-15:00 EST	<b>Question and answer period</b>	
OCTOBER 21, 2023		
<b>SESSION 3 – PATENT DUCTUS ARTERIOSUS: INNOCENT BYSTANDER, SUPPORTIVE ROLE OR PATHOLOGICAL STATE?</b>		
Session Moderators: Dr. Elaine Shelton & Dr. Jennifer Shepherd		
10:00-10:05 EST	Session introduction by moderators	
10:05-10:25 EST	Supportive role of the PDA in acquired/congenital heart disease	Dr. Shawn Sen
10:25-10:45 EST	Pathological role of the hemodynamically significant PDA	Dr. Samir Gupta
10:45-11:05 EST	Hemodynamic changes following transcatheter device closure and decompensation: recognition & prevention	Dr. Adrienne Rahde Bischoff
11:05-11:25 EST	PDA and pulmonary vascular disease	Dr. Satyan Lakshminrusimha
11:25-12:00 EST	<b>Question and answer period</b>	
<b>SESSION 4 – DIVERSE PHENOTYPES OF NEONATAL PULMONARY HYPERTENSION</b>		
Session Moderators: Dr. Amy Stanford & Dr. Elaine Neary		
13:00-13:05 EST	Session introduction by moderators	
13:05-13:25 EST	Pulmonary hypertension in preterm infants	Dr. Amish Jain
13:25-13:45 EST	Pulmonary hypertension in CDH	Dr. Neil Patel
13:45-14:05 EST	Pulmonary hypertension in HIE	Dr. Danielle Rios
14:05-14:25 EST	Pulmonary hypertension in down syndrome	Dr. Aisling Smith
14:25- 15:00 EST	<b>Question and answer period</b>	
<b>SESSION 5 – NEONATAL SHOCK</b>		
Session Moderators: Dr. Ashraf Kharrat & Dr. Rachael Hyland		
15:30-15:35 EST	Session introduction by moderators	
15:35-15:55 EST	Physiology of septic shock in neonates: Focus on LV	Dr. Faith Zhu
15:55-16:15 EST	Approach to assessing blood pressure and choosing the correct cardiotropic agent	Dr. Audrey Hébert
16:15-16:35 EST	Monitoring patients with septic shock	Dr. Valerie Chock
16:35-16:55 EST	Case based presentation	Dr. Jack Wren
16:55-17:30 EST	<b>Question and answer period</b>	

**Course Objectives** - At the end of this course, participants will be able to:

- 1) Review key principles of cardiopulmonary physiology as they pertain to the fetus and newborn circulation
- 2) Understand the physiological changes that occur during the transition to extrauterine life
- 3) Review the physiological effects of cardiopulmonary therapeutic agents, their potential benefits and side effects, and how they may vary based on underlying pathophysiology.
- 4) Learn pathophysiological alterations that occur in common disease states affecting the term and preterm infants and their physiology and evidence-based management algorithms



In support of improving patient care, the University of Iowa Roy J. and Lucille A. Carver College of Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

**Physician:** The University of Iowa Roy J. and Lucille A. Carver College of Medicine designates this live activity for a maximum of 10.00 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nurse:** The University of Iowa Roy J. and Lucille A. Carver College of Medicine designates this live activity for a maximum of 10.00 ANCC contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

**Other Provider:** All other participants will receive a certificate of participation for this conference upon completion of the online evaluation. It is the responsibility of each attendee to determine if the continuing education programs they attend meet the requirements of their professional licensure board.