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WIN-POCUS 2026

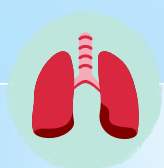
ADVANCED NEONATAL POCUS CONFERENCE & WORKSHOP



Sept 24-26, 2026



Women's Hospital- Health Science Centre
WN 2031, 665 William Ave, Winnipeg, MB R3E 0L8



DAY 1
**RESP. CARE &
LUNG US**



DAY 2
**HEMODYNAMICS
& ECHO**



DAY 3
**CRASHING NEONATAL
PROTOCOLS**

Get hands-on training with world renowned Neonatal POCUS Experts, with cutting edge AI-POCUS simulation and precision medicine!

REGISTER NOW

SPEAKERS



DR. YASSER ELSAYED

*University of Manitoba
Winnipeg, Canada*



DR. GANI ABDUL WAHAB

*McMaster University
Hamilton, Canada*



DR. MANSOOR FAROOQUI

*University of Manitoba
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*University of Toronto
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Vancouver BC, Canada*



DR. JEHIER AFFIFI

*Dalhousie University
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DR. AYMAN SHETA

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DR. ABBAS HYDERI

*University of Alberta
Edmonton, Canada*



DR. JAVED AHMED

*Health Science Centre
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DR. NADYA BEN FADEL

*University of Ottawa
Ottawa, Canada*



DR. ASEM LASHIN

*University of Manitoba
Winnipeg, Canada*



**DR. IBRAHIM
HAMAMA**

*University of Manitoba
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**DR. ARAVANAN ANBU
CHAKKARAPANI**

*Sidra Medicine
Doha, Qatar*



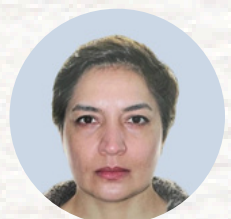
**DR. WAEI
ABDELMAGEED**

*University of Manitoba
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DR. TALAL ALTAMIMI

*Imam Abdurahman Bin
Faisal University
Dammam, Saudi Arabia*



DR. NIKOO NIKNAFS

*BC Women's Hospital
& Health Centre
British Columbia, Canada*

DAY 1

08:00 - 08:15	Introduction and Welcome
08:15 - 08:30	Workshop Orientation
08:30 - 09:00	Lecture: Fundamentals of Neonatal LUS - Scanning Protocol, Image Acquisition & Scoring
Workshop 1	Basic Lung Ultrasound (Classic TTN & RDS, Severe RDS & BPD, Pulmonary Hemorrhage)
09:00 - 09:20	Case 1: Term Infant with Tachypnoea
09:20 - 09:40	Case 2: Preterm infant with increased WOB
09:40 - 10:00	Case 3: Preterm Infant with increased WOB with hypoxemia
10:00 - 10:20	Case 4: Preterm Infant with CLD on CPAP with worsening respiratory distress
10:20 - 10:40	Case 5: Preterm, DOL 3, with blood stained secretions
10:40 - 11:00	Coffee Break (Provided)
11:00 - 11:30	Lecture: Advanced clinical applications of Chest Ultrasound in the NICU
Workshop 2	Clinical Applications of Lung Ultrasound (Pneumonia, Pleural Effusion)
11:30 - 11:50	Case 1: Preterm 3 weeks old on MV and increased O2 Requirement
11:50 - 12:10	Case 2: Preterm on CPAP with sudden worsening WOB
12:10 - 13:00	Lunch Break (Provided)
Workshop 3	Advanced Chest Ultrasound (Pneumothorax, CDH, Eventration, VC Paralysis)
13:00 - 13:20	Case 1: Term infant on CPAP with sudden deterioration
13:20 - 13:40	Case 2: Term infant with cystic thoracic shadow on CXR
13:40 - 14:00	Case 3: Term infant with suspected right diaphragm abnormality
14:00 - 14:20	Case 4: Term infant with elevated hemidiaphragm
14:20 - 14:40	Case 5: Preterm with stridor
14:40 - 15:00	Coffee Break (Provided)
15:00 - 16:00	Chest Ultrasound Assessment Quiz
16:00 - 16:30	Future Learning Strategies in LUS
16:30 - 17:00	Q&A, Feedback

DAY 2

8:00 - 8:20	Introduction and Orientation
8:20 - 9:50	Lecture: Fundamentals of Hemodynamics in Shock, PDA, PHTN
Workshop - 1	Approach to Assessment & Management of PDA
9:50 - 10:10	Case 1: Preterm infant with intermittent murmur and variable oxygen requirement
10:10 - 10:30	Case 2: Preterm infant with feeding intolerance and fluctuating blood pressure
10:30 - 10:50	Case 3: Extremely preterm infant with pulmonary hemorrhage
10:50 - 11:10	Coffee Break (Provided)
Workshop - 2	Approach to Assessment & Management of PHTN
11:10 - 11:30	Case 1: Term infant with labile oxygenation despite optimal ventilation
11:30 - 11:50	Case 2: Term infant with escalating oxygen needs & pre/post-ductal difference in oxygenation
11:50 - 12:10	Case 3: Preterm infant with chronic oxygen dependency and recurrent desaturation episodes
12:10 - 13:00	Lunch Break (Provided)
Workshop - 3	Approach to Assessment & Management of Shock
13:00 - 13:20	Case 1: Infant with acute circulatory collapse following blood loss
13:20 - 13:40	Case 2: Infant with poor perfusion and rising lactate despite adequate fluids
13:40 - 14:00	Case 3: Infant with warm peripheries but persistent hypotension
14:00 - 14:20	Case 4: Infant with sudden deterioration and evidence of low cardiac output
14:20 - 14:40	Coffee Break (Provided)
Workshop - 4	Approach to Neonatal Cardiac Assessment
14:40 - 15:00	Case 1: Term newborn with low post-ductal oxygen saturation
15:00 - 15:20	Case 2: Preterm infant with unstable hemodynamics during ventilation
15:20 - 16:20	Cardiac POCUS Assessment Quiz
16:20 - 16:50	Future Learning Strategies in Cardiac POCUS
16:50 - 17:00	Q&A, Feedback

DAY 3 AGENDA

08:00 - 08:20	Introduction and Orientation
08:20 - 09:30	Lecture: Orientation to Crashing Infant POCUS Algorithm
Workshop - 1	Algorithm for multi-organ systematic assessment - Brain
09:30 - 09:50	Case 1: Preterm infant with sudden drop of hemoglobin
09:50 - 10:10	Case 2: Term infant with abnormal tone and poor response
10:10 - 10:30	Case 3: Preterm infant with suddenly becomes inactive
10:30 - 10:50	Coffee Break (Provided)
Workshop 2	Algorithm for multi-organ systematic assessment - Lung
10:50 - 11:10	Case 1: Preterm infant with worsening hypoxemia
11:10 - 11:30	Case 2: Preterm infant with persistent desaturation
11:30 - 11:50	Case 3: Preterm infant with coarse impaired breath sounds and rising oxygen requirement
11:50 - 12:10	Case 4: Preterm infant with worsening oxygenation and a new shadow on CXR
12:10 - 13:00	Lunch Break (Provided)
Workshop 3	Algorithm for multi-organ systematic assessment - Heart
13:00 - 13:20	Case 1: Preterm infant with unexplained hypotension and narrow pulse pressure
13:20 - 13:40	Case 2: Term infant with hypotension and increasing oxygen requirement
13:40 - 14:00	Case 3: Preterm infant with hypotension and lactic acidosis
14:00 - 14:20	Case 4: Preterm infant with postnatal refractory hypoxemia
14:20 - 14:30	Coffee Break (Provided)
Workshop - 4	Algorithm for multi-organ systematic assessment - Abdomen
14:30 - 14:50	Case 1: Preterm infant with abdominal distension and feeding intolerance
14:50 - 15:10	Case 2: Preterm infant with abdominal discoloration and hemodynamic instability
15:10 - 15:30	Case 3: Infant with persistent gastric residuals and abdominal distension
15:30 - 16:30	CNP POCUS Assessment Quiz
16:30 - 16:40	Future Learning Strategies in CNP POCUS
16:40 - 17:00	Q&A, Feedback

SCIENTIFIC & ADMINISTRATIVE COMMITTEE



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