



Canadian Neonatal POCUS Society®

HONG KONG POCUS 2027

Cranial POCUS & Advanced Neurocritical Care Workshop

January 29–30, 2027

Hong Kong Children's Hospital · Hong Kong (SAR), China

*“Neonatal Neurocritical Care & Cranial POCUS:
An Integrated Multimodal Approach”*

WHAT TO EXPECT

Workshop Highlights

Basic → Advanced Cranial POCUS

Master neonatal cranial ultrasound from core scanning skills to advanced interpretation and clinical decision-making.

AI-Integrated Hi-Fidelity Simulation

Train with POCUSVISION® high-fidelity simulators featuring realistic NICU pathology libraries and AI-assisted feedback.

Free Pre-Workshop Online Access

Complimentary access to curated online modules and preparatory courses — arrive ready for hands-on mastery.

Case-Based, AI-Assisted Learning

Dynamic real-world neonatal cases, structured interpretation frameworks and educator tools powered by AI analytics.

Interactive Hands-On Training

Small-group practical scanning sessions with a wide variety of clinical pathologies and management algorithms.

CNPOCUS® Certificate + CME

Official CNPOCUS® Certificate of Attendance with applicable CME credits for your professional development.

PRE-WORKSHOP ONLINE CURRICULUM — 5 FREE MODULES

NIRS in the NICU

Multimodal Monitoring of HIE

Cranial Ultrasound Scanning

Fundamentals of EEG

Interpretation of aEEG

EXPERT TRAINERS

Meet Our Faculty

Dr. Gani Abdul Wahab

McMaster University

Hamilton, Canada

Prof. Yasser Elsayed

University of Manitoba

Winnipeg, Canada

Dr. Mansoor Farooqui

University of Manitoba

Winnipeg, Canada

Dr. Elim Man

Hong Kong Children's Hospital

Hong Kong (SAR), China

Canadian Neonatal POCUS Society® in collaboration with Neopeds Academy

<https://neopedsacademy.org/workshop/hkpocus2027> · support@neopedsacademy.org · +1 (289) 456-2324

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Workshop Agenda

DAY 1 · January 29, 2027

Foundations of Neurocritical Assessment & Preterm Neurocritical Care

08:00 – 08:30	Registration
08:30 – 08:50	Inauguration and Orientation to the Workshop <i>Drs: Elsayed, Farooqui, Wahab & Man</i>
WS – 27 – 11	Interactive Workshop On: Foundations of Neurocritical Assessment <i>Drs: Elsayed, Farooqui, Wahab & Man</i>
08:50 – 09:20	Session: Cerebral Autoregulation and Neuroprotection
09:20 – 09:45	Case 1: Extremely preterm infant, 4 hours old, with falling NIRS values and rising lactate despite normal blood pressure
09:45 – 09:55	Coffee Break
09:55 – 10:20	Case 2: Preterm infant on CPAP with a mean blood pressure below gestational age but pink, active and well-perfused — treat the number or the physiology?
10:20 – 10:45	Case 3: Preterm infant with sudden swings in NIRS and blood pressure during surfactant administration
10:45 – 11:10	Case 4: Term infant, floppy and poorly responsive at 6 hours, with an unremarkable delivery history — which neuromonitoring tool first?
11:10 – 11:35	Case 5: Term infant with respiratory failure, poor perfusion and hypotonia — putting together the first integrated neurocritical assessment
11:35 – 12:35	Lunch Break
WS – 27 – 12	Interactive Workshop On: Foundations of Preterm Neurocritical Care <i>Drs: Elsayed, Farooqui, Wahab & Man</i>
12:35 – 13:25	Session: Cranial Ultrasound and Grading of IVH
13:25 – 13:50	Case 6: Clinically stable preterm infant with an unexpected finding on the routine day-3 screening head ultrasound
13:50 – 14:15	Case 7: Extremely preterm infant on day 2 with a falling haematocrit, fluctuating perfusion and a changing scan over 24 hours
14:15 – 14:25	Coffee Break
14:25 – 14:50	Case 8: Ex-preterm infant, week 3, with rising head circumference, splaying sutures and increasing apnoeas on serial review
14:50 – 15:15	Case 9: Ex-preterm infant approaching term with abnormal tone and poor feeding despite serial reassuring head ultrasounds
WS – 27 – 13	Hands-on Training: Practical Small Group Sessions <i>Drs: Elsayed, Farooqui, Wahab & Man</i>
15:15 – 15:50	Small Group Session 1: Cranial Ultrasound (Basics)
15:50 – 16:25	Small Group Session 2: NIRS Monitoring (Basics)
16:25 – 17:00	Small Group Session 3: aEEG (Basics)
17:00 – 17:30	Q&A Final Discussions, Feedback
17:30	End of Sessions – Day 1



Workshop Agenda

DAY 2 · January 30, 2027

Term HIE & Advanced Integrated Neurocritical Care

08:00 – 08:30	Registration
WS – 27 – 21	Interactive Workshop On: Neurocritical Care in Term Infants with HIE <i>Drs: Elsayed, Farooqui, Wahab & Man</i>
08:30 – 08:55	Session: Multisystem Management of HIE
08:55 – 09:20	Session: aEEG and EEG Interpretation
09:20 – 09:45	Case 1: Term infant with poor Apgar scores, cord pH 6.9 and an abnormal neurological exam at 1 hour — what next, and how fast?
09:45 – 09:55	Coffee Break
09:55 – 10:20	Case 2: Cooled term infant at 24 hours with worsening hypoxaemia and a widening pre–post-ductal saturation gap
10:20 – 10:45	Case 3: Cooled term infant, clinically quiet, with recurrent abnormal runs on the aEEG trace and nothing to see at the bedside
10:45 – 11:10	Case 4: Previously well term infant with rhythmic jerking of one arm at 18 hours of age
11:10 – 11:35	Case 5: Term infant with hypotonia, lactic acidosis and an abnormal EEG — but a normal cord gas and an uneventful delivery
11:35 – 12:35	Lunch Break
WS – 27 – 22	Interactive Workshop On: Advanced Integrated Neurocritical Care <i>Drs: Elsayed, Farooqui, Wahab & Man</i>
12:35 – 13:00	Case 6: Cooled asphyxiated infant with hypotension, worsening oxygenation, falling NIRS and new seizures — what do you fix first?
13:00 – 13:25	Case 7: Cooled infant at 72 hours with a persistently flat trace and absent responses — preparing for the family conference
13:25 – 13:50	Case 8: Extremely preterm infant with recurrent cerebral desaturations every time they are handled
13:50 – 14:00	Coffee Break
14:00 – 14:40	Case 9: Grand Integrated Neurocritical Simulation (Capstone) — deteriorating cooled infant with seizures, shock, refractory hypoxaemia and multiorgan involvement
WS – 27 – 23	Hands-on Training: Practical Small Group Sessions <i>Drs: Elsayed, Farooqui, Wahab & Man</i>
14:40 – 15:15	Small Group Session 1: Cranial Ultrasound (Advanced)
15:15 – 15:50	Small Group Session 2: NIRS Monitoring (Advanced)
15:50 – 16:25	Small Group Session 3: aEEG (Advanced)
16:25 – 17:05	CNPOCUS Quiz (Neurocritical Care & Cranial POCUS)
17:05 – 17:15	Announcing CNPOCUS Academic Recognition Award Winner
17:15 – 17:45	Q&A Final Discussions, Feedback
17:45	End of Sessions – Day 2