



NEONATAL PULMONOLOGY MASTER CLASS PROGRAMME

BMRI Building, Tygerberg Campus

Wednesday 25 March 2026

Respiratory disorders remain the most frequent and complex challenges in neonatal intensive care. This one-day Master Class in Neonatal Pulmonology is designed for neonatologists, paediatricians, and fellows who seek to refine their expertise in advanced respiratory management.

Respiratory disorders remain the most frequent and complex challenges in neonatal intensive care. This one-day master class offers neonatologists, pediatricians, and fellows an intensive, evidence-based update on neonatal respiratory physiology, invasive and non-invasive ventilation, surfactant therapy, and the management of various respiratory diseases. Combining expert lectures and case-based discussions led by world-renowned neonatologists, the program emphasizes both academic rigor and clinical practicality. Participants will leave with strategies that can be directly applied to NICU care, with the ultimate goal of improving outcomes for newborns.

08:00 – 08:20	Arrival, registration, coffee	Speaker
08:20-08:30	Welcome	L Van Wyk
08:30 – 09:00	New resus guidelines	Prof C Roehr
09:00 – 09:30	Neonatal transition	Prof C Roehr
09:30 – 10:00	Non-invasive ventilation	Prof Ram
Tea		
10:30-11:00	Surfactant: administration methods	Prof D Sweet
11:00-11:30	Surfactant: alternative uses	Prof D Sweet
11:30-12:00	Disease-specific ventilation strategies/ Gentle invasive ventilation	Dr G Boden
12:00-12:30	Case based discussions	Prof Ram, Sweet, Roehr, Mansoni Chair: L Van Wyk/ Menti
Lunch		
13:30 – 14:00	BPD: Chronic Phase Ventilation Modes	Prof Ram
14:00-14:30	PPHN	L Van Wyk
14:30 – 15:00	SMART NICU for respiratory care	Prof Mansoni
15:00 – 16:00	Round table Ventilation of extreme preterm/ periviable Ventilatory graphics, Conventional ventilation, HFOV, Respiratory function monitoring in delivery room and Noninvasive modes to get clarity on any questions or queries they may have on respiratory care of the newborn	Prof Ram, Sweet, Roehr, Mansoni Chair: L Van Wyk