



**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, paediatricians, 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	<b>Speaker</b>
08:20 – 08:30	Welcome	<b>Prof L Van Wyk</b>
08:30 – 09:00	New resus guidelines	<b>Prof C Roehr</b>
09:00 – 09:30	Neonatal transition	<b>Prof C Roehr</b>
09:30 – 10:00	Non-invasive ventilation	<b>Prof R Ramanathan</b>

**Tea**

10:30 – 11:00	Surfactant: administration methods	<b>Prof D Sweet</b>
11:00 – 11:30	Surfactant: alternative uses	<b>Prof D Sweet</b>
11:30 – 12:00	Disease-specific ventilation strategies/ Gentle invasive ventilation	<b>Dr G Bowden</b>
12:00-12:30	Case based discussions	

**Chair: L Van Wyk/ Menti** **Prof Ramanathan, Sweet, Roehr, Mansoni**

**Lunch**

13:30 – 14:00	BPD: Chronic Phase Ventilation Modes	<b>Prof Ramanathan</b>
14:00 – 14:30	PPHN	<b>Prof L Van Wyk</b>
14:30 – 15:00	SMART NICU for respiratory care	<b>Prof Mansoni</b>
15:00 – 16:00	Round table	

**Chair: L Van Wyk** **Prof Ramanathan, Sweet, Roehr, Mansoni**

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