

Session 1: The Basics (Ella Latham Auditorium)

Time	Activity	Presenter/Facilitator	Topic
0730	Registrations		
0830	Welcome & introduction	Advent 2024 Organising Committee	
0845	Presentation	TBC	Respiratory Physiology and Lung Injury for Clinicians
0915	Presentation	TBC	Conventional Modes, Synchronisation and NAVA
1000	Presentation	TBC	How does HFOV work?

1030 Morning Tea

Session 2: The Recrutable Lung (Ella Latham Auditorium)

1100	Presentation	TBC	What is an optimal PAW/PEEP? A physiological rationale
1130	Presentation	TBC	Video of laboratory demonstration of OLV
1145	Presentation	TBC	Introduction to afternoon sessions

1200 Lunch

Workshops: HELP SIM/Skills Laboratory

1300	Workshop	TBC	Lung recruitment and the role of PAW/CDG/PEEP (plastinated lung)
	Workshop	Arun Sett	Lung Ultrasound
	Workshop	TBC	HFOV and VG
	Workshop	Sherry Courtney	Synchronisation + NAVA
	Workshop	Huayan Zhang	Optimising CMV (waveforms, display and modes)
	Workshop	TBC	Ventilator set up and troubleshooting

1430 Afternoon Tea

1500 Workshops continued

1700 Close of day

Session 3: Optimising Mechanical Ventilation (Ella Latham Auditorium)

Time	Activity	Presenter/Facilitator	Topic
0830	Presentation		Closing the loop on Oxygenation
0850	Presentation		Imaging the Lung in the NICU
0910	Presentation		Supporting the lung at birth
0930	Presentation		Haemodynamic considerations during MV
1000	Discussion/Q&A		

1030 Morning Tea

Session 4: Complex Lung Diseases (Ella Latham Auditorium)

1100	Presentation		MV of the preterm lung - beyond RDS
1145	Presentation		MV in special circumstances

1230 Lunch

Session 5: Case Discussions (Vernon Collins Theatre)

1300 Clinical scenarios

1430 Afternoon Tea

1500 Clinical scenarios

1630 Wrap up and close