



Emirates Pediatric and Neonatal
Intensive Care Conference

مؤتمر الإمارات للعناية الحرجة لطب الأطفال
والأطفال الخدج

6 - 8 November 2019
Dubai, UAE

Emirates Pediatric and Neonatal Critical Care Conference

November 6th, 2019 12:00-16:00

Conference President **Course Director** **Course Co-Director** **Course Co-Director**
Dr Munira Al Maazmi Dr Fares Chedid Dr Sridhar Kalyanasundram Dr Ahmed Elajab

Course Faculty

Dr Fares Chedid | Dr Sridhar Kalyanasundram | Dr Ahmed Elajab

Course Description

Neonatal Mechanical Ventilation Workshop

This workshop will cover a variety of key topics in neonatal mechanical ventilation including physics, synchronization, patient machine interaction and matching different ventilatory modes to different pathophysiology.

Target Audience

- Neonatal and Paediatric Intensivists
- Emergency Physician
- Paediatricians, Residents and Fellows
- Respiratory Therapists
- Nurses



Conference Secretariat: MCI Middle East



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Course Objective

- To recognize the basic physics and physiology of mechanical ventilation and to apply it to the clinical practice.
- To recognise different type of synchronization including NAVA.
- To recognise the different modes of mechanical ventilation and to match them with the different neonatal pathophysiology.
- To review ventilator and patient interaction in volume guarantee
- To interpret the pulmonary graphics and to use them to optimize ventilation
- Hands-on to cover all practical aspects of neonatal mechanical ventilation.

Schedule

Time	Topic	Speaker
12:00 - 12:10	Introduction and Objectives	Dr. Ahmed Elajab
12:10 – 12:50	Synchronization and modes of ventilation	Dr. Sridhar Kalyanasundram
12:50 – 13:30	Matching modes of ventilation with pulmonary pathology	Dr. Sridhar Kalyanasundram
13:30 - 14:10	Patient and ventilation interaction in volume guarantee	Dr. Fares Chedid
14:10 – 14:30	Coffee break	
14:30 – 15: 10	Pulmonary Graphics	Dr. Ahmed Elajab