Advanced Ventilation Study Day

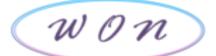**W O N**

Wessex Oxford Neonatal
Education Programme

Concept
This multidisciplinary study day aims to cover the natural history of a variety of neonatal respiratory problems through a series of lectures, simulation and workshops.
The intention is to take the multidisciplinary team through the entire history of each condition from delivery to the neonatal unit.

Aims and Objectives
Learn about respiratory physiology and the natural history of respiratory illnesses and the various modalities in terms on ventilation.
Delivery room management of the preterm and term neonate with respiratory problems.
Focus on aspects of respiratory care which are important to prevent CLD of prematurity
Video's demonstrating ventilation strategies including VG, SIMV, SIPPV, PSV
Approach to the blue baby

TOPICS

0800　　　　Instructor Meeting

0930-1200　　**Session 1-Introduction to neonatal ventilation**

0930-1000　　Sedation and Paralysis in Neonatal Ventilation (Doctors)

1000-1030　　Newborn respiratory physiology
　　　　　　　Dr Mike Hall

1030-1100　　Modes of ventilation & Volume Guarantee Ventilation
　　　　　　　Dr Alok Sharma

1100-1130　　Delivery room PEEP vs Intubation and Surfactant The Evidence for &
　　　　　　　against
　　　　　　　Dr Gregory Woodhead

1130-1145　　Tea/Coffee

1200-1330　　**Session 2-Simulated Scenarios** (3 Multidisciplinary Groups)

	Mentors	Situation	30 min	30min	30min
Workshop 1	AS/EL	1 VG	Group 1	Group 2	Group 3
Workshop 2	GW/TC/KM	2 PEEP	Group 3	Group 1	Group 2
Workshop 3	AnS/JW	3 CLD/ROP/DE	Group 2	Group 3	Group 1

1330-1400　　**Lunch**

1400-1430　　**Plenary** –Management of pain, sedation and paralysis during newborn
　　　　　　　　Ventilation (TC)
1430-1500　　**Plenary-** Developmental care during newborn ventilation (KP)

1445-1500　　Tea

1500-1700　　**Workshops**

	Mentors	Situation	40 min	40 min	40 min
Workshop 1	AS/EL/	MAS/HFOV	Group 1	Group 2	Group 3
Workshop 2	GW/TC/KM	CDH/NO	Group 3	Group 1	Group 2
Workshop 3	Ans/JW	Sepsis/Hypocarbia	Group 2	Group 3	Group 1

1730 Feedback & Close