

10th Wales Neonatal Ventilation Course 2017

www.walesneonatalventilation.co.uk

(This activity qualifies up to 6 CPD credits)

An interactive hands on study day aimed at neonatal /paediatric trainees, Advanced Neonatal Nurse Practitioners or Senior Neonatal Nurses who would like a practical guide on current ventilation theory and practice in neonates. Senior Paediatricians who want a refresher course on current practice of neonatal ventilation are encouraged to apply. The day offers a balanced combination of lectures and small group workshops undertaken by very experienced clinicians in an encouraging environment for learning.

Venue and date

- **Best Western Heronston Hotel, Bridgend, Mid Glamorgan, CF35 5AW**
- **Thursday 5th October 2017**

Registration

- **Delegate fee: Doctors £150.00 , Nurses and ANNPs £85.00**
Please fill the application form and email it to abigail.porter@wales.nhs.uk
Alternatively, the application form can be downloaded from www.walesneonatalventilation.co.uk or requested from abigail.porter@wales.nhs.uk

For Debit /Credit card payments: Call 01639 638393 / 01639 683395. (Credit cards incur additional surcharge)

For BACS transfers please contact: accounts.receiveable@wales.nhs.uk

Cheque: payable to 'ABMU Health Board' and post along with the application form, to:

Abigail Porter
Neonatal Secretary Office, Level 2, WWB, Singleton Hospital
Sketty Lane, Swansea, SA2 8QA
Tel: 01792285877 E-mail: abigail.porter@wales.nhs.uk

For all payments ask to pay into W&CH Educational fund – Cost centre H206. Please quote reference: WNVC2017 + your name

Learning Objectives

- To be able to understand respiratory mechanics / physiology and link it to clinical practice
- To be able to manage common invasive and non-invasive ventilation modes in neonates
- To be able to apply information from available monitoring parameters judiciously to improve outcome
- To be able to prevent, identify and manage adverse events related to ventilation

Teaching Faculty

- **Dr. Sujoy Banerjee (Course Director)**, Consultant Neonatologist, Singleton Hospital, Swansea, UK
- **Dr. Siddhartha Sen**, Consultant Neonatologist, Royal Gwent Hospital, Newport, UK
- **Dr. Roshan Adappa**, Consultant Neonatologist, University Hospital of Wales, Cardiff, UK.
- **Dr. Ian Morris**, Consultant Neonatologist, University Hospital of Wales, Cardiff, UK.
- **Dr. Geraint Morris**, Consultant Neonatologist, Singleton Hospital, Swansea, UK.
- **Dr. Carol Sullivan**, Consultant Neonatologist, Singleton Hospital, Swansea, UK.
- **Dr. Mallinath Chakraborty**, Consultant Neonatologist, University Hospital of Wales, Cardiff, UK.
- **Dr. Nitin Goel**, Consultant Neonatologist, Singleton Hospital, Swansea, UK
- **Dr. Joanna Webb**, Consultant Neonatologist, Singleton Hospital, Swansea, UK
- **Dr. Sunil Reddy**, Consultant Neonatologist, Royal Gwent Hospital, Newport, UK

Organising Faculty

Neonatal Unit, Singleton Hospital, Swansea

All proceeds from the conference will be donated to the NICU Education Fund YH22 (Reg. Charity)

The Programme

0830: Registration

0900: Introduction and aims of the day – *Sujoy Banerjee*

0915: Lecture 1: Lung mechanics and pathophysiology of mechanical ventilation – *Siddhartha Sen*

Includes concepts of lung volumes, compliance, resistance, time constant, alveolar ventilation with illustrative examples to understand strategies that facilitate oxygenation & CO₂ clearance in conventional ventilation

1000: Lecture 2: Conventional Ventilation – *Ian Morris*

Includes various commonly used modes in conventional ventilation – indications and practical considerations

1030: Lecture 3: Volume Guided Ventilation – *Joanna Webb*

Includes concept, practical application and troubleshooting tips

1050: Coffee and Exhibits

1115 – 1315: Practical Workshops (40 minutes session)

Workshop 1: What can you learn from Pulmonary Graphics? – *Sujoy Banerjee, Ian Morris & Nitin Goel*

Practical demonstration of pulmonary graphics interpretation, application and limitations in clinical practice

Workshop 2: How a ventilator works in different modes – Case examples and problem solving (2 substations)

Station 1: Siddhartha Sen & Sunil Reddy, Station 2: Roshan Adappa & Mallinath Chakraborty

Hands on workshop that allows candidates to set up various modes on a modern ventilator, demonstrate how to get useful monitoring data and use this information to adjust ventilation settings

Workshop 3: Volume Guided Ventilation – *Joanna Webb, Carol Sullivan & Geraint Morris*

Set up, trouble shooting and problem based discussions

1315: Lunch

1400: Lecture 4: High Frequency Oscillation Ventilation – *Sujoy Banerjee*

Includes underlying physiology, clinical indication, practical guide, pitfalls & brief review of available evidence in practice

1445: Tea and Coffee

1500 – 1700: Scenario Workshops – Choice of 4 out of 5 workshops (4 x 30 minute sessions)

Workshop 4: High Frequency Oscillation - *Sujoy Banerjee, Ian Morris*

Workshop 5: Problem solving in mechanical ventilation (1) – emphasis on reducing adverse effects

Geraint Morris & Roshan Adappa

Workshop 6: High Flow Nasal Cannula Therapy – *Joanna Webb, Nitin Goel*

Workshop 7: Minimally invasive surfactant therapy – *Carol Sullivan & Mallinath Chakraborty*

Workshop 8: Problem solving in optimising mechanical ventilation (2) – Siddhartha Sen & Sunil Reddy

1705: Close

Pre-reading materials will be available on the website. All presentations and handouts will be available to download from the website after the conference