10th High Frequency Oscillatory Ventilation

Ventilation Course
Thursday 30th & Friday 31st August 2012
Ella Latham Lecture Theatre
Royal Children’s Hospital, Melbourne

General information

From Art to Science
Old and new concepts in the application of high frequency oscillatory ventilation

HFOV was introduced to Australasia 20 years ago and remains an important mode of respiratory support today. Experience has shown that the successful use of HFOV is more operator-dependent than other modes of ventilation. This may be due to difficulty in achieving and maintaining optimal lung volume, and also because of the need to tailor ventilation to the individual patient’s lung disease.

Anticipating the need for clinicians to train in its use, several HFOV courses were run at the Royal Children’s Hospital, Melbourne in the early 1990s. Nearly two decades later, despite multiple clinical trials and other experimental data, the optimal application of HFOV remains challenging, even for experienced users. Recognising this, we continue to conduct hands-on interactive courses in the use of HFOV, from which we hope both experienced and novice users will benefit.

This year we are delighted to announce that Prof Anton van Kaam (Netherlands) and Prof Jane Pillow (Perth) will join our faculty of experts in HFOV. Both are at the forefront of research in neonatal mechanical ventilation, in particular HFOV. To celebrate our 10th course, and our first in the new Royal Children's Hospital, with its state-of-the-art health education precinct, we have prepared a new program of lectures, hands-on workshops and interactive scenarios.

When and where
The course will be held in the Ella Latham Lecture Theatre, Royal Children's Hospital, Flemington Road, Parkville on Thursday 30th and 31st August 2012.

Course dinner
The course dinner will be held on Thursday 30th August, venue to be confirmed. Attendance at the dinner is included in the registration fee. Extra tickets to attend this special event will be available at additional cost. The dress code for the dinner is smart casual. Please confirm your attendance on the registration form to assist us with catering.

Registration

$525 Registration $150 Animal Laboratory Demonstration Supplement

Full payment for the course should accompany the registration form. Cheques or credit cards may be used for payment (see registration form). All fees include GST.

The deadline for registration is Friday 17th August 2012, although registrations may be refused before this date once the provisional limit of participants is reached.

No refunds will be given for cancellation after Friday 17th August 2012. Cancellations must be made in writing (letter, fax or email) to the Course Secretariat.

It will not be possible to register for the course on the day.

Hotel accommodation
There are several hotels located within close proximity to the hospital. Please contact your choice of hotel directly, to make your booking. Accounts are to be settled directly with the hotel upon check-out.

Rydges Carlton - Tel: 03 9347 7811
Rydges North Melbourne - Tel: 03 9329 1788
Punt Hill North Melbourne - Tel: 03 9650 1299
Arden Motel - Tel: 03 9329 7211

Course Secretariat
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RCH HFOV Course Secretariat
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Provisional Program – Thurs 30th August

0900  Session 1: How does HFOV work?
1030  MORNING TEA
1100  Session 2: Respiratory physiology relevant to HFOV
1230  LUNCH
1300  Session 3: Workshops / demonstrations
1500  AFTERNOON TEA
1530  Session 3 (cont): Workshops / demonstrations
1630  Close
1900  Dinner – Venue to be confirmed

Workshops

- Animal laboratory demonstration of physiological principles underpinning HFOV
- Demonstration of recruitment using a plastinated lung
- Demonstration of physiological concepts in a test lung
- Oscillator set up including iNO administration
- Oscillator operation and trouble shooting
- High frequency jet ventilation demonstration

The animal laboratory workshop is designed for experienced HFOV users and limited to 30 registrants. The animal laboratory workshop involves a demonstration of HFOV in anaesthetised piglets. No delegate should feel obliged to attend this workshop.

Provisional Program – Friday 31st August

0830  Session 4: Optimizing the application of HFOV
1030  MORNING TEA
1100  Session 5: Putting HFOV into clinical practice
1230  LUNCH
1300  Session 6: Clinical scenarios
1430  AFTERNOON TEA
1500  Session 6 (cont): Clinical scenarios
1630  Course summary and final remarks
1700  Close

Course lecturers and facilitators

Peter Dargaville, Neonatologist
John Mills, Neonatologist
Anastasia Pellicano, Neonatologist
David Tingay, Neonatologist
Anton van Kaam, Neonatologist
Graeme Polglase, Physiologist
Peter Loughnan, Neonatologist
Neil Patel, Neonatologist
Jane Pillow, Neonatologist
Michael Stewart, Neonatologist
Liz Perkins, Course Coordinator
Risha Bhatia, Neonatologist

Neonatal Nurse Educators, technologists and biomedical engineers