11th Ultrasound for Intensive Care

A practical course on the use of Ultrasound in the assessment and management of critically ill patients in Intensive Care

organised by Infomed Research & Training, on Monday 27 and Tuesday 28 February 2017, at the Grange Holborn Hotel, 50-60 Southampton Row, London, WC1B 4AR

Programme Directors
- Dr Marcus Peck, Consultant in Intensive Care Medicine, Frimley Park Hospital
- Prof Tim Harris, Consultant in Emergency Medicine, Whipps Cross University Hospital, London
- Dr Justin Kirk-Bayley, Consultant Anaesthetist, Royal Surrey County Hospital, Guilford

The Faculty includes
- Dr Adrian Wong, Consultant in Intensive Care and Anaesthesia, Oxford University Hospitals NHS Foundation Trust
- Dr Andrew Walden, Consultant in Intensive Care Medicine, Royal Berkshire Hospital, Reading
- Dr Stefanie Robert, Consultant in Intensive Care and Acute Medicine, Homerton University Hospital, London
- Dr Martin Dachsel, Consultant in Acute Medicine, Surrey and Sussex NHS Trust
- Dr Nick Fletcher, Consultant in Cardiac Anaesthesia and Intensive Care Medicine, St George’s Hospital, London
- Dr Ramprasad Matsa, Consultant in Intensive Care and Acute Medicine, Royal Stoke University Hospital
- Dr James Napier, Consultant in Emergency and Intensive Care, Newham University Hospital, London
- Dr Devesh Sharma, Consultant in Emergency Medicine, North Middlesex University Hospital NHS Trust
- Dr Vijay Mahendran, Associate Specialist in Emergency Medicine, Whiston Hospital, STHK NHS Trust, Merseyside
- Dr Ben Lovell, ST7 in Acute Medicine, UCLH, and Hon Clinical Lecturer, UCL
- Dr Prashant Parulekar, Consultant in Intensive Care, Acute and General Internal Medicine, Royal Sussex County Hospital
- Dr Mahdi Alosert, Locum Emergency Physician

About the Course
- Suitable for Consultants and advanced trainees in Intensive Care and Acute Medicine
- Gain a foundation in the ultrasound skills needed for Intensive Care
- Become familiar with the physics of ultrasound, learn how to set up the machines and obtain diagnostic quality images
- Understand training and accreditation requirements including logbook

Course equipment and technical support is kindly provided by: SonoSite, World leader and specialist in hand-carried ultrasound.
About the Course

The Course:
- provides the knowledge and skills to start integrating focused ultrasound and echo in to daily clinical practice
- is suitable for Consultants, SASGs and advanced trainees in Intensive Care and Acute Medicine
- includes interactive, focused lectures, with extensive use of clinical cases and video clips
- features Practical Sessions with supervised ‘hands-on’ scanning practice on models, patients (condition allowing) and phantoms

Pre-course preparation: delegates are given, in advance of the course, password-protected online access to reading material, including copies of lecture slides. There will be some mandatory pre-course reading – details to be forwarded.

DAY 1: Monday 27 February 2017

08.30 – 09.25 Registration
09.25 – 09.30 Welcome and introduction

09.30 – 10.00 Ultrasound in Intensive Care
Dr Adrian Wong,
Consultant in Intensive Care and Anaesthesia, Oxford University Hospitals NHS Foundation Trust
- Training in Ultrasound
- Accreditation
- Governance and training
- Image storage

10.00 – 10.30 Obtaining Optimal Images: Machine Set up, Physics and USS Techniques
Dr Marcus Peck,
Consultant in Intensive Care Medicine, Frimley Park Hospital
- Obtaining quality diagnostic images
- Understanding depth, focus, TGC, Doppler
- Interaction with soft tissue, biological effects and artefacts
- Basic principles of US, M mode and Duplex scanning
- Basic principles of pulsed, continuous wave and colour Doppler ultrasound

10.30 – 11.00 Practical Session
Setting Up, Knobology and Techniques
- Setting up the scanner
- Machine components
- Probe handling and scanning technique
- Obtaining quality diagnostic images

11.00 – 11.30 Tea and coffee break
11.30 – 12.20 Introduction to FAST and Renal Tract
Dr Ramprasad Matsa,
Consultant in Intensive Care and Acute Medicine, Royal Stoke University Hospital
- Performing FAST scans in the upper quadrants and using the results to guide management
- Identifying abdominal free fluid
- Identifying gross renal abnormalities and hydronephrosis
- Excluding urinary retention

12.20 – 13.20: Practical Session
Introduction to FAST and Renal Tract

13.20 – 14.00 Lunch

14.00 – 14.40 Chest Ultrasound
Dr Adrian Wong,
Consultant in Intensive Care and Anaesthesia, Oxford University Hospitals NHS Foundation Trust
- Windows and techniques
- Assessment of pleural effusions / haemothorax
- Ultrasound assessment of pneumothorax
- Lung parenchamal disease – what can I diagnose?

14.40 – 15.30: Practical Session
Chest Ultrasound

15.30 – 15.50 Tea and coffee break

15.50 – 16.20 Ultrasound to Guide Procedures
Dr Devesh Sharma,
Consultant in Emergency Medicine, North Middlesex University Hospital NHS Trust
- Considerations when using USS to guide procedures
- General techniques
- Ultrasound for central and peripheral venous access
- Pericardiocentesis, thoracocentesis and ascitic tap
- USS to aid tracheostomy and LP

16.20 – 17.00: Practical Session
Ultrasound to Guide Procedures

17.00 Close
### Day 2: Tuesday 28 February 2017

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<th>Time</th>
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<tr>
<td>09.00 – 09.30</td>
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| 09.30 – 10.00 | **Echo**<br>Dr Marcus Peck, Consultant in Intensive Care Medicine, Frimley Park Hospital<br>
- The concept of focused echo<br>- The (possible) views<br>- Limitations and pitfalls<br>- Common haemodynamic patterns<br>- Examples |
| 10.00 – 11.30 | **Practical Session**<br>**Echo**<br>- Obtaining basic cardiac windows<br>  - Parasternal long axis<br>  - Parasternal short axis<br>  - Apical 4 chamber<br>  - Subcostal<br>- Identifying normal structures |
| 11.30 – 11.50 | Tea and coffee break                                                               |
| 11.50 – 13.20 | **Practical Session**<br>**Focused Echo Pathology Recognition**<br>The objective of this session is to reinforce the knowledge gained from the previous session. Attendees divide into two groups and each group attends two different sessions:<br><br>**Case Pathologies Session (Interactive)** (45 mins) featuring interactive case scenarios with images and videos of common focused echo pathology facilitated by Dr Marcus Peck, Consultant in Intensive Care Medicine, Frimley Park Hospital<br><br>**Practical Session** (45 mins) mentored scanning practice |
| 13.20 – 14.00 | Lunch                                                                              |
| 14.00 – 14.30 | **Lecture and Videos**<br>**Ultrasound in Shock**<br>Dr Martin Dachsel, Consultant in Acute Medicine, Surrey and Sussex NHS Trust<br>- Utility of focused ultrasound in undifferentiated shock<br>- Rapidly excluding life-threatening pathology<br>- Basic focused echo – what can it tell you?<br>- Obtaining standard echo views<br>- Global LV systolic function assessment<br>- Recognising pericardial effusions and tamponade<br>- IVC scanning and preload assessment |
| 14.30 – 14.50 | **Lecture and Videos**<br>**TOE in ITU**<br>Dr Nick Fletcher, Consultant in Cardiac Anaesthesia and Intensive Care Medicine, St George’s Hospital, London<br>- When to use TOE in ITU patient<br>- Orientation to TOE views<br>- Advantages of TOE over transthoracic echo |
| 14.50 – 15.40 | **Practical Session**<br>Opportunity for Mentored Scanning<br>Additional mentored scanning practice at all stations |
| 15.40 – 16.00 | Tea and coffee break                                                               |
| 16.00 – 16.40 | **Mentored Scanning** C O N T I N U E D                                                |
| 16.40 – 17.00 | **Q&A Session**<br>- Governance, archiving images<br>- Infection control<br>- Machine business case, setting up a service<br>- Specific training issues |
| 17.00         | Close and collection of Attendance Certificates                                     |
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HOW TO REGISTER

You can BOOK ONLINE at: www.infomedltd.co.uk or BOOK OVER THE PHONE on +44 (0)20 3236 0810. Alternatively, complete delegate and payment details, below, and post to:

Infomed Research & Training Ltd,  
2nd Floor, Northside House,  
69 Tweedy Road, Bromley BR1 3WA

Confirmation, venue map and receipt will follow by email.

General queries: tel. 020 3236 0810, e-mail courses@infomedltd.co.uk

For information on accommodation: www.infomedltd.co.uk

DELEGATE DETAILS

Title ........................................ First Name .................................................................
Surname .................................................................
Job Title .................................................................
Hospital .................................................................
Address for correspondence  □ Home  □ Hospital
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Post Code ........................................ Country .........................................................
Tel .................................................................
Email .................................................................

Please inform Infomed if you have any special needs

My experience in Ultrasound (please Tick):
□ I am an absolute beginner
OR □ I have some experience

COURSE FEE

£525 (including VAT) for the two days.

Course fee includes lunch and refreshments, plus password-protected access to lecture slides and other Course materials.

PAYMENT DETAILS

□ Please charge my credit/debit card with the sum of £ .......
   □ MasterCard  □ Visa
   Card holder name: .................................................................
   Card Number
...........................................................................
Valid From  /   /   Expiry Date  /   /
CVV Number  □□□□
(i.e. the last 3 digits on central signature strip on reverse side of the card)

□ Please find enclosed a cheque for the amount of £....... made payable to Infomed Research & Training Ltd

□ By BACS: Barclays Bank, Bromley Branch, 167 High Street, Bromley, Kent BR1 1NL, Sort code: 20-12-26 Account: 43929159

TERMS AND CONDITIONS

1) The subscription fee includes password protected web access to faculty presentations, lunch and refreshments. 2) The completed booking form together with full payment must be sent to Infomed Research and Training Limited to secure a booking. Submission of this booking constitutes a legally binding agreement. 3) Payment must be received in full prior to the event. Course details will be issued subject to receipt of payment. We cannot be held responsible for the non-arrival of registration information. If you have not heard from us within 7 days prior to the Course, please contact us. 4) Bookings can be made by telephone but payment must be made in full by credit card at time of booking. 5) Written cancellations received 6 weeks prior to the Course will be accepted and refunded minus an administration charge of £70. We regret that no refunds can be made for cancellations received after that date, for whatever reason, although substitutions will be accepted if notified in writing 5 days or more prior to the event. 6) The Company reserves the right to alter the date, content and timing of the programme or the identity of the speakers due to reasons beyond its control. Under these circumstances, The Company will not refund delegates any expenditure made on pre-booked accommodation or travelling. 7) The Company does not accept responsibility for loss/damage delegates’ property/personal effects whilst at the Course.

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