

14th 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 26 and Tuesday 27 February 2018**,
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

- **Dr Adrian Wong**, Consultant in Intensive Care and Anaesthesia, Oxford University Hospitals NHS Foundation Trust
- **Dr Martin Dachsel**, Consultant in Acute Medicine, Surrey and Sussex NHS Trust
- **Dr Stefanie Bruemmer-Smith**, Consultant in Intensive Care Medicine, Brighton and Sussex University Hospital NHS Trust
- **Dr Pradeep Madhivathanan**, Consultant in Cardiothoracic Anaesthesia and Critical Care, King's College Hospital, London
- **Dr Jonathan Leung**, Consultant in Emergency Medicine and Intensive Care, East Kent Hospitals University NHS Foundation Trust
- **Ms Lesley Bottoms**, Echocardiographer, Royal London Hospital
- **Ms Kelly Victor**, ITU Echocardiographer, St Thomas' Hospital, London
- **Dr Carlos Corredor**, Consultant in Cardiothoracic Anaesthesia and Intensive Care Medicine
- **Dr Mahdi Alosert**, Locum Emergency Physician
- **Dr Ehsan Hassan**, Locum Consultant in Emergency Medicine, North Middlesex University Hospital NHS Trust

Course equipment and technical support is kindly provided by:

 **SonoSite**
World leader and specialist
in hand-carried ultrasound.



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
 - ☑ Lectures and practical sessions including:
 - Introduction to FAST and Renal Tract
 - Chest Ultrasound
 - Focused Echo
 - Pathology Recognition
 - TOE in ITU
 - Ultrasound in Shock
 - Ultrasound to Guide Procedures

Approved by RCoA for
up to 12 CPD credits
Codes: 2C01, 3C00
Certificates will be issued

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 26 February 2018

08.30 – 09.25 **Registration**

09.25 – 09.30 **Welcome and introduction**

09.30 – 10.00

Ultrasound in Intensive Care

Dr Justin Kirk-Bayley,
Consultant Anaesthetist,
Royal Surrey County Hospital, Guilford

- 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 Justin Kirk-Bayley,
Consultant Anaesthetist,
Royal Surrey County Hospital, Guilford

- Windows and techniques
- Assessment of pleural effusions / haemothorax
- Ultrasound assessment of pneumothorax
- Lung parenchymal 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 Jonathan Leung,
Consultant in Emergency Medicine and Intensive Care,
East Kent Foundation 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 27 February 2018

09.00 – 09.30 **Registration**

09.30 – 10.00

Echo

Dr Marcus Peck,
Consultant in Intensive Care Medicine,
Frimley Park Hospital

- The concept of focused echo
- The (possible) views
- Limitations and pitfalls
- Common haemodynamic patterns
- Examples

10.00 – 11.30

PRACTICAL SESSION

Echo

- Obtaining basic cardiac windows
 - Parasternal long axis
 - Parasternal short axis
 - Apical 4 chamber
 - Subcostal
- Identifying normal structures

11.30 – 11.50 **Tea and coffee break**

11.50 – 13.20

PRACTICAL SESSION

Focused Echo Pathology Recognition

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:**

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

Practical Session (45 mins)
mentored scanning practice

13.20 – 14.00 **Lunch**

14.00 – 14.30

LECTURE AND VIDEOS

Ultrasound in Shock

Dr Martin Dachsel,
Consultant in Acute Medicine,
Surrey and Sussex NHS Trust

- Utility of focused ultrasound in undifferentiated shock
- Rapidly excluding life-threatening pathology
- Basic focused echo – what can it tell you?
- Obtaining standard echo views
- Global LV systolic function assessment
- Recognising pericardial effusions and tamponade
- IVC scanning and preload assessment

14.30 – 14.50

LECTURE AND VIDEOS

TOE in ITU

Dr Pradeep Madhivathanan,
Consultant in Cardiothoracic Anaesthesia & Critical Care,
King's College Hospital, London

- When to use TOE in ITU patient
- Orientation to TOE views
- Advantages of TOE over transthoracic echo

14.50 – 15.40

PRACTICAL SESSION

Opportunity for Mentored Scanning

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

- Governance, archiving images
- Infection control
- Machine business case, setting up a service
- Specific training issues

17.00

Close and collection
of Attendance Certificates

Booking

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 26 and Tuesday 27 February 2018,
at the Grange Holborn Hotel, 50-60 Southampton
Row, London, WC1B 4AR

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

.....

.....

.....

.....

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.

Infomed Research and Training Limited.

Registered in England No. 5200146. Registered Offices:
Brooklands House, 4a Guildford Road, Woking GU22 7PX.
VAT No. 887 8570 48.