

Course towards Core (Level 1) Royal College of Emergency Medicine Accreditation in USS

Level 1 Accreditation and Beyond

35th London Level 1

Emergency, Acute and Intensive Care Ultrasound Course

A practical course on the use of Ultrasound in the assessment of critically ill patients designed for Acute Physicians, Anaesthetists, Intensivists and Emergency Physicians

organised in partnership with **Infomed Research & Training**,
on **Thursday 22 and Friday 23 March 2018**,
at the Park Plaza County Hall Hotel, 1 Addington Street,
London SE1 7RY (south end of Westminster Bridge)

Programme Director:

Prof Tim Harris BM BS BMed Sci Dip O&G Dip Imme Care FACEM FFAEM
Consultant in Emergency Medicine,
QMUL and Barts Health NHS Trust

Faculty includes:

- **Dr Bill Coode**, Consultant in Emergency Medicine, Barts Health NHS Trust, London
- **Dr Siamak Bakhtiari**, Consultant in Emergency Medicine, Northwick Park Hospital
- **Dr Erik Witt**, Consultant in Emergency Medicine, Royal Free Hospital, London
- **Dr Thomas O'Driscoll**, Consultant in Emergency Medicine, Betsi Cadwaladr University Health Board
- **Dr Behnaz Mahmoodian**, Consultant in Emergency Medicine, Kingston Hospital NHS Foundation Trust
- **Dr Priyadarshini Marathe**, Locum Consultant in Emergency Medicine, John Radcliffe Hospital, Oxford
- **Ms Daksha Patel**, Sonographer
- **Dr Devesh Sharma**, Consultant in Emergency Medicine
- **Dr Bushra Riaz**, Speciality Doctor in Emergency Medicine
- **Dr Mahdi Alosert**, Consultant in Emergency Medicine
- **Ms Lesley Bottoms**, Echosonographer, Royal London Hospital

Course endorsed by
BRITISH
MEDICAL
ULTRASOUND
SOCIETY

BMUS



Course Objectives:

- ☑ Become competent in the basic skills required to achieve **Core (Level 1) accreditation** in USS
 - ☑ **Learn how to set up the machines and USS knobology**
 - ☑ Become familiar with the **physics of Ultrasound** and the **training and certification requirements** in USS for EM
 - ☑ Look into costs, choices and developing a **USS business case**
 - ☑ Learn and *practise* **USS techniques**:
 - eFAST
 - AAA
 - **Peri-Arrest Scenarios**
 - **Vascular Access**
 - Pleural and pericardial fluid
 - ☑ Practice **beyond Level 1**:
 - **Biliary and Renal USS**
 - **Soft Tissue USS** and DVT

Organised in partnership with:

COURSE EQUIPMENT AND TECHNICAL SUPPORT IS KINDLY PROVIDED BY

About the Course

The Course:

- gives you an Introduction to Emergency USS based on *RCEM Curriculum – Emergency Medicine Ultrasound* (EMUS)
- takes you **beyond** Level 1 (Core)
- is suitable for Consultants, SASGs and STs
- includes interactive, focused **lectures**, with extensive use of real-life screenshots and video clips
- features immediate post-lecture **Practical Sessions** with live demos with models and patients (subject to availability)
- offers an opportunity for delegates to practice on a variety of widely used and state-of-the-art machines

For revision, a week before the course we will email information on how you can access copies of lecture slides (pdf) and scan log sheets.

DAY 1: Thursday 22 March 2018

08.30 – 09.30 **Registration, welcome and introduction**

09.30 – 10.00

Ultrasound in Emergency Medicine

Dr Bill Coode,
Consultant in Emergency Medicine,
Barts Health NHS Trust, London

Topics to be covered:

- What is Core (Level 1) training?
- What is the RCEM position on USS?
- Governance and training
- Image storage

10.00 – 10.40

The Physics and Knobology of Ultrasound

Dr Siamak Bakhtiari,
Consultant in Emergency Medicine,
Northwick Park Hospital

Topics to be covered:

- Frequencies used in medical Ultrasound
- Interaction with soft tissue including biological effects
- Basic principles of A, B, M real time and Duplex scanning
- Basic principles of pulsed, continuous wave and colour Doppler ultrasound
- Turning on and setting up USS machines
- Machine components
- Obtaining basic images, then maximising image quality
- Depth, focus, TGC

10.40 – 11.00 **Tea and coffee break**

11.00 – 12.30

PRACTICAL SESSION

How to Set Up Machines, Knobology and USS Techniques

12.30 – 13.10 **Lunch**

13.10 – 13.50

eFAST

Dr Siamak Bakhtiari,
Consultant in Emergency Medicine,
Northwick Park Hospital

Topics to be covered:

- What is a FAST scan and what is its place in trauma management?
- How to spot pericardial and intra-abdominal free fluid
- How to spot (heamo) pneumothorax?

13.50 – 15.20

PRACTICAL SESSION

eFAST



15.20 – 15.40 **Tea and coffee break**

15.40 – 16.20

AAA

Dr Erik Witt,
Consultant in Emergency Medicine,
Royal Free Hospital, London

Topics to be covered:

- Identifying AAA
- Is there any evidence of rupture?
- USS or CT?

16.20 – 17.20

PRACTICAL SESSION

AAA

17.20 **Close**

DAY 2: Friday 23 March 2018

08.30 – 09.00 **Registration**

09.00 – 09.40

Peri-Arrest Scenarios

Dr Bill Coode, Consultant in Emergency Medicine, Barts Health NHS Trust, London

Topics to be covered:

- This patient is peri-arrest – why?
- Rapidly excluding life-threatening pathology
- What the four chamber ECHO can tell you
- Can Ultrasound assess circulating volume?

09.40 – 11.00

PRACTICAL SESSION

Peri-Arrest Scenarios

11.00 – 11.20 **Tea and coffee break**

11.20 – 11.50

Procedural US

Dr Thomas O'Driscoll,
Consultant in Emergency Medicine,
Betsi Cadwaladr University Health Board

Topics to be covered:

- Evidence-based practice for CVC placement
- Practical tips and tricks
- Access in difficult patients
- Draining pleural effusion

11.50 – 12.40

PRACTICAL SESSION

Procedural US

Vascular Access and Pleural Drainage

12.40 – 13.20 **Lunch**

13.20 – 14.00

Introduction to Biliary and Renal USS

Dr Devesh Sharma,
Consultant in Emergency Medicine

Topics to be covered:

- Identifying gall stones from artefacts
- Finding the CBD
- Defining hydronephrosis and renal calculi

14.00 – 15.00

PRACTICAL SESSION: BEYOND LEVEL 1

Biliary and Renal USS

15.00 – 15.20 **Tea and coffee break**

15.20 – 15.50

Introduction to Soft Tissue USS and DVT

Dr Bill Coode,
Consultant in Emergency Medicine,
Barts Health NHS Trust, London

Topics to be covered:

- Identifying FBs
- Haematoma or abscess
- Is there a DVT?

15.50 – 17.00

PRACTICAL SESSION: BEYOND LEVEL 1

Soft Tissue USS and DVT

17.00

Close and collection
of Attendance Certificates

Regular L1 Faculty includes

Prof Tim Harris trained in Emergency Medicine, Intensive Care and Pre-hospital Care in Australia and the UK. He is currently working at Whipps Cross University Hospital Emergency Department and The Royal London Hospital. He completed a post graduate Diploma in USS in 2008 and is the EM ultrasound lead for NE Thames. He is lead for research at RLH and for the London School of Emergency Medicine. His research interests are in critical care ultrasound, emergency airway care and resuscitation.

Dr Bill Coode, Consultant in Emergency Medicine, Barts Health NHS Trust

Dr Christopher Blakeley, Consultant in Emergency Medicine, Croydon University Hospital, London

Dr Devesh Sharma, Consultant in Emergency Medicine

Dr Darryl Wood, Consultant in Emergency Medicine, Barking, Havering and Redbridge University Hospitals NHS Trust

Dr Ehsan Hassan,
Locum Consultant in Emergency Medicine

Dr Vijay Mahendran,
Associate Specialist in Emergency Medicine, Whiston Hospital, STHK NHS Trust

Dr Siamak Bakhtiari, Consultant in Emergency Medicine, Northwick Park Hospital

Dr Thomas O'Driscoll,
Consultant in Emergency Medicine,
Betsi Cadwaladr University Health Board

Ms Daksha Patel, Sonographer

Ms Jane Simmons, Superintendent Sonographer, Lister Hospital, Stevenage

Dr Mahdi Alosert, Locum Emergency Physician

Booking

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How To Register

You can **BOOK ONLINE** at: www.infomedltd.co.uk or **BOOK OVER THE PHONE** on **020 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: 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

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COURSE FEE

£525 (inc VAT) **for the two days.**

Course fee includes lunch and refreshments, plus password-protected access to lecture slides (pdf), sample USS logbook and other resources.

Course fee does not include accommodation.

PAYMENT DETAILS

Please charge my credit/debit card with the sum of £

MasterCard Visa

Card holder name:

Card Number

/ / /

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 lecture slides (pdf), 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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