

Contact us at: [www.infomedltd.co.uk](http://www.infomedltd.co.uk)  
Email: [courses@infomedltd.co.uk](mailto:courses@infomedltd.co.uk)  
Phone: +44(0)20 3236 0810

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

## Level 1 Accreditation and Beyond

# 38th 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 28 and Friday 29 March 2019**, at the Park Inn by Radisson Hotel Heathrow, Bath Road, Middlesex UB7 0DU [5 mins from Heathrow underground station]

### 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 Christopher Blakeley**,  
Consultant in Emergency Medicine,  
Croydon University Hospital, London
- **Dr Siamak Bakhtiari**,  
Consultant in Emergency Medicine,  
Northwick Park Hospital
- **Dr Erik Witt**, Consultant in Emergency Medicine,  
Royal Free Hospital, London
- **Dr Chris Solomonides**,  
Consultant in Emergency Medicine  
Royal Free London NHS Foundation Trust
- **Dr Devesh Sharma**, Consultant in Emergency Medicine
- **Ms Daksha Patel**, Sonographer
- **Ms Lesley Bottoms**, Echosonographer, Royal London Hospital
- **Dr Tom O'Driscoll**, Consultant in Emergency Medicine,  
Betsi Cadwaladr University Health Board
- **Dr Alice Cook**, Specialty Doctor in Emergency Medicine,  
Royal Surrey County Hospital, Guildford



### 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 28 March 2019

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 29 March 2019

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

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 2017/19 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, North Middlesex University Hospital NHS Trust

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

**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**, Sonographer

**Dr Mahdi Alosert**, Locum Emergency Physician

## Booking

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

### 38th London Level 1 Emergency, Acute and Intensive Care Ultrasound Course

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on **Thursday 28 and Friday 29 March 2019**, at the Park  
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UB7 0DU [5 mins from Heathrow underground station]

## How To Register

You can **BOOK ONLINE** at: [www.infomedltd.co.uk](http://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](mailto:courses@infomedltd.co.uk).

For information on accommodation: [www.infomedltd.co.uk](http://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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