

Towards Level 1

19th London Thoracic Ultrasound Course

An **intensive** and **practical** well established one day course running now over four years, organised by Infomed Research & Training, on **Tuesday 14 June 2016**, at Events Centre, Health Education England, Stewart House, Russell Square, London WC1B 5DN

Approved by RCP
for 6 CPD Credits
Code: 101850

Course Advisor

Dr Luke Howard, Consultant Chest Physician, Hammersmith Hospital, London, and Hon Senior Lecturer, National Heart and Lung Institute, Imperial College London

The Course Faculty

A Faculty of leading practitioners in Thoracic US, who are experienced in providing skills and practical US knowledge to all medical specialities

- **Mr Ian Hunt**, Consultant Thoracic Surgeon, St George's Hospital London
- **Dr Pasupathy Sivasothy**, Consultant in Respiratory Medicine, Addenbrooke's Hospital, Cambridge
- **Dr Clare Ross**, Consultant in Respiratory Medicine and Lead Clinician for the Pleural Service, Imperial College Healthcare NHS Trust
- **Dr Nooshin Barmania**, Consultant Physician, Acute and Respiratory Medicine, Royal London Hospital
- **Dr Ehsan Hassan**, Locum Consultant in Emergency Medicine
- **Dr Tim Yusuf**, ST in Radiology, King's College Hospital, London
- **Dr Vijay Mahendran**, Associate Specialist in Emergency Medicine, Whiston Hospital, STHK NHS Trust, Merseyside
- **Dr Corinne Dubois-Gonet**, Locum Consultant in Emergency Medicine, Royal London Hospital
- **Dr James Murray**, ST in Respiratory Medicine, Royal Free Hospital, London
- **Ms Jane Simmons**, Superintendent Sonographer, Lister Hospital, Stevenage

Target Audience

- Chest Physicians
- Respiratory Physicians
- Anaesthetists and Intensivists
- Acute Medicine Physicians
- Emergency Medicine Physicians

What past delegates have said

- *I am too lazy to fill this form but it was the best course I have ever been to.*
- *Good introduction to using US machines it covers all important scanning.*
 - *I like having the lectures available in the internet before the course.*
 - *Helped me to know the difference between normal and pathology.*
 - *Lectures pitched at the right level and good practical hands on.*
 - *Good balanced timetable of lectures and practical sessions*
 - *Good to use a variety of machines and lots of hands on.*
 - *Good opportunity to practise US and ask questions.*
 - *Excellent faculty, very friendly, sharp lectures.*

Course Objectives

- ◆ Gain the initial knowledge and competencies towards Level 1 Competency in Thoracic Ultrasound as proposed by Royal College of Radiology
- ◆ Gain an understanding of the principles of thoracic ultrasound (and safe practice), the knobology and effective operation of the US machine
 - ◆ Get the basic knowledge and techniques, through lectures, video clips and practical work at the Stations, that will enable you to use US in order to recognise normal anatomy and pathologies.
 - ◆ Get the skills set that will enable you to start practicing: estimation of depth of effusion and its measurement, guided thoracocentesis and drain placement

About the Course

- Numbers of delegates is limited
- Access to a web-link, with copies of the lecture slides, in advance of the course
- Interactive, focused lectures, with video clips and practical sessions with live demos with models
- Skills Stations facilitated by the Faculty delegates will be able to perform scans, under expert supervision, using a variety of widely used US machines

COURSE EQUIPMENT AND TECHNICAL SUPPORT IS KINDLY PROVIDED BY

SIEMENS

 **SonoSite**
FUJIFILM

 **bk medical**
Analogic Ultrasound Group

Course endorsed by
**BRITISH
MEDICAL
ULTRASOUND
SOCIETY**
BMUS


PROGRAMME

08.30 – 09.15 **Registration**

09.15 – 09.30 **Welcome and Introduction**

Dr Luke Howard, Consultant Chest Physician, Hammersmith Hospital, London, and Hon Senior Lecturer, National Heart and Lung Institute, Imperial College London

09.30 – 10.00

The Relevant Anatomy

Mr Ian Hunt, Consultant Thoracic Surgeon, St George's Hospital, London

Topics to be covered:

- BTS Guidelines – what you need to know
- Diaphragm
- Pleura
- Heart
- Liver and spleen
- Rib and intercostals spaces

10.00 – 10.30

USS – Why, When and How

Dr Tim Yusuf, ST in Radiology, King's College Hospital, London

Topics to be covered:

- Why and when Thoracic US?
- Training guidelines
- The physics of ultrasound
- Basic components of USS machine
- Choosing the right probe
- The boundaries and pitfalls in USS

10.30 – 11.00

PRACTICAL SESSION

Setting up, Knobology, and Introduction to Scanning

- Obtaining basic images, then maximising image quality
- Depth, focus, TGC
- Scanning techniques

11.00 – 11.20 **Tea and coffee break**

11.20 – 12.20

PRACTICAL SESSION

Sectional and USS Anatomy

Scanning, focusing on normal anatomy (with practice on models):

- Identifying pleura and diaphragm
- Identifying heart, liver and spleen
- Rib and intercostals spaces

12.30 – 13.00

What Pathologies Look Like Under Ultrasound

Dr Pasupathy Sivasothy,

Consultant in Respiratory Medicine, Addenbrooke's Hospital, Cambridge

Topics to be covered:

- Pleural: effusion; thickening; malignancy
- Loculated pleural effusion
- Consolidated lung or effusion?
- Paralysed hemidiaphragms
- Pericardial effusion
- Haemothorax
- Empyema
- Bullous disease
- Dealing with the pitfalls

13.00 – 13.40 **Lunch**

13.40 – 15.50

Scanning for Pathologies

The objective of this session is to reinforce the knowledge gained from the previous lecture on Imaging of the Pathologies. Attendees divide into two groups and **each group attends two different sessions:**

Interactive Case Scenarios

Covering Key Pathologies (65 mins)

facilitated by

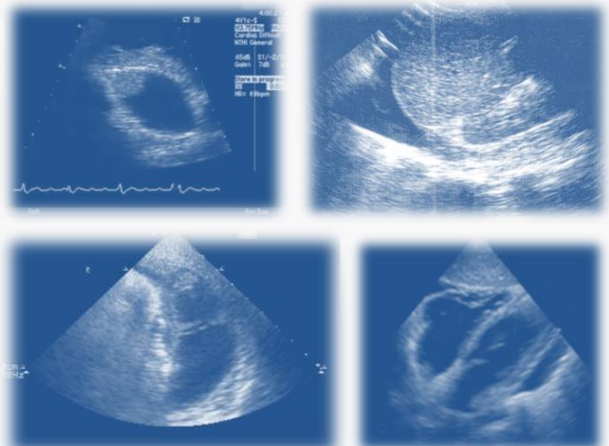
Dr Pasupathy Sivasothy,

Consultant in Respiratory Medicine, Addenbrooke's Hospital, Cambridge

Scanning Session

 (65 mins)

opportunities to scan at the skills stations



15.50 – 16.10 **Tea and coffee break**

16.10 – 16.40

US Interventions

Dr Clare Ross,

Consultant in Respiratory Medicine
and Lead Clinician for the Pleural Service,
Imperial College Healthcare NHS Trust

Topics to be covered:

- Line/drain placement
- Aspiration
- Drainage
- Biopsy clips
- CT versus US

16.40 – 17.15

PRACTICAL SESSION

Interventions

Introductory live demo with close up of probe handling/needling and US image on dual screen,

followed by skills stations for needling practice on phantoms (plus opportunities for additional scanning on normal models)



17.15

Close

and Collection of Certificates of Attendance

The regular Thoracic US Faculty

Mr Ian Hunt, Consultant Thoracic Surgeon,
St George's Hospital, London.

Dr Pasupathy Sivasothy is a Consultant Respiratory Physician at Addenbrooke's Hospital, Cambridge. He has extensive experience in interventional bronchoscopy, particularly in the setting of lung transplantation. He has recently set up a medical thoracoscopy service in Addenbrooke's.

Dr Anu Balan, Consultant Thoracic Radiologist
at Addenbrooke's Hospital, Cambridge.

Dr Elizabeth Dick, Consultant Radiologist and Honorary Senior Lecturer at Imperial College NHS Trust. Elizabeth is a keen teacher, has published several books and a CD Rom for training Radiologists, and taught on numerous UK postgraduate courses to medical and paramedical specialists.

Dr Anant Patel, Acting Consultant in Respiratory Medicine, Royal Free Hospital, London.

Dr Stephen Burke, Consultant Radiologist at Homerton University Hospital, London, with a special interest in chest radiology, musculoskeletal radiology and sports injuries.

Dr James Goldring, Consultant Respiratory Physician, Royal Free Hospital, London. He is lead for pleural disease, endobronchial US, undergraduate education and clinical governance.

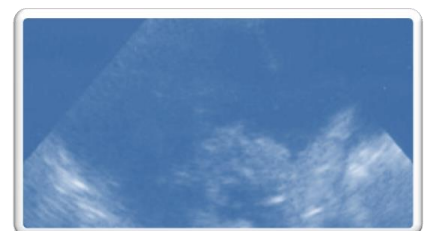
Dr Vijay Mahendran is an Associate Specialist in Emergency Medicine at Whiston Hospital, STHK NHS Trust, Merseyside.

Dr Tim Yusuf, ST in Radiology, King's College Hospital, London.

Dr Corinne Dubois-Gonet, Locum Consultant in Emergency Medicine, Royal London Hospital.

Dr Nooshin Barmania, Consultant Physician, Acute and Respiratory Medicine, Royal London Hospital.

Dr Angshu Bhowmik is a Consultant in Respiratory Medicine at Homerton University Hospital, London.



BOOKING FORM

Towards Level 1
19th London
Thoracic Ultrasound Course

on Tuesday 14 June 2016,
at Events Centre, Health Education England,
Stewart House, Russell Square, London WC1B 5DN

COURSE FEE

£310 (inc. VAT)

Course fee includes password protected web access to lecture slides (pdf), lunch and refreshments and attendance certificate.

How To Book

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: e-mail courses@infomedltd.co.uk.

For a copy of this programme: www.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 *

* *Required for confirmation*

Special needs and special dietary requirements

.....

PAYMENT DETAILS

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

MasterCard Visa

Card holder name (exactly as it appears on the card):

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 and Training Limited**

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.

Infomed Research and Training Limited.

Registered in England No. 5200146. Registered Offices: Somers,
Mounts Hill, Benenden, Kent TN17 4ET.

VAT No. 887 8570 48