

Towards Level 1 4th London Thoracic Ultrasound Course

An **intensive** and **practical one day course**
organised by Infomed Research & Training, on **Wednesday 15 June 2011**,
at the Russell Square Conference Centre, 10-12 Russell Square, **London WC1B 5EH**

Course Advisors

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

Dr Fraser Ingham, Consultant Radiologist,
Barnet and Chase Farm Hospitals NHS Trust

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 Respiratory Physician,
Addenbrooke's Hospital, Cambridge
- **Dr Ian Renfrew**, Consultant Radiologist, Royal London Hospital
- **Dr Anant Patel**, Respiratory SpR and
MRC Clinical Research Fellow, Royal Free Hospital, London
- **Dr Stephen Burke**, Consultant Radiologist, Homerton University Hospital
- **Dr Syed Arshad Husain**,
Consultant in Respiratory Medicine, Maidstone Hospital
- **Dr Nooshin Barmania**, SpR in Respiratory Medicine,
Basildon University Hospital, Essex

**PLUS other Chest Physicians and Interventional
Radiologists leading the Skills Stations**

Target Audience

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

Course Objectives

- ◆ Gain the initial knowledge base and competencies that will allow you to move 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 and practical work at the Stations, that will enable you to use US in order to recognise:
 - normal anatomy of pleura and diaphragm, heart, liver and spleen
 - pleural effusion, pleural thickening, consolidated lung, etc.
 - ◆ 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

- Interactive, focused lectures, with extensive use of real-life screenshots and video clips
- Practical Sessions with live demos with models
 - Skills Stations facilitated by the Faculty and supported by Senior Radiology Registrars
- Delegates will be able to perform scans, under expert supervision, using a variety of widely used US machines
- Access to a web-link, with copies of the lecture slides, will be available in advance
 - Numbers of delegates will be limited

COURSE EQUIPMENT AND TECHNICAL SUPPORT
IS KINDLY PROVIDED BY



Approved by
the Royal College of Physicians
for 6 CPD Points (code=59412)



GE Healthcare

TOSHIBA
Leading Innovation >>>

esaote

SonoSite

PROGRAMME

08.30 – 09.15 **Registration**

09.15 – 09.30 **Welcome and Introduction by chair**

09.30 – 10.00

Lecture 1: The Relevant Anatomy

Topics to be covered (with a model for demonstration)

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

10.00 – 10.30

Lecture 2: USS – Why and When

Topics to be covered

- Basic components of USS machine, types of transducer and production of ultrasound
- Image quality and penetration – interaction with tissue
- RCR training guidelines

10.30 – 10.45

Lecture 3: Setting Up the Machine, Knobology and Scanning Techniques

Topics to be covered (with a model for demonstration)

- Turning on and setting up USS machines
- Knobology and use of ultrasound controls
- Obtaining basic images, then maximising image quality
- Depth, focus, TGC
- The boundaries and pitfalls in USS

10.45 – 11.00 **Tea and Coffee Break**

11.00 – 12.30

PRACTICAL SESSION A

Sectional and USS Anatomy

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

- Setting up the machine and knobology
- Scanning techniques
- Identifying pleura and diaphragm
- Identifying heart, liver and spleen
- Rib and intercostals spaces

12.30 – 13.15

Lecture 4: Imaging of the Pathologies

Topics to be covered

(based on cases including images and video clips):

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

13.15 – 13.45

Lunch

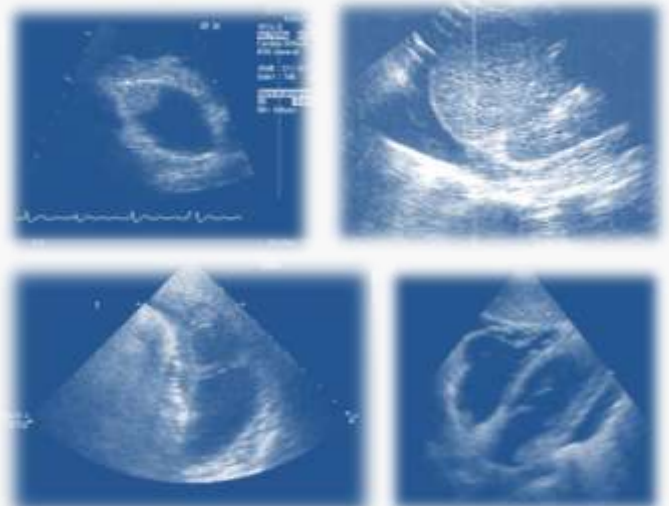
Delegates can practise USS

13.45 – 15.00

PRACTICAL SESSION B

Pathology Recognition

Video clips in the lecture theatre, followed by practice on models, focusing on pathology issues covered in lecture 4.



15.00 – 15.20

Case Scenarios

15.20 – 15.50

Lecture 5: US Interventions – Case Scenarios

Topics to be covered (including images and video clips)

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

15.50 – 16.05 **Tea and Coffee Break**

16.05 – 17.15

PRACTICAL SESSION C 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 Thoracic US Course Faculty

Mr Ian Hunt is a Consultant Thoracic Surgeon at 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 Ian Renfrew is a Consultant Radiologist at the Royal London Hospital, London Chest Hospital and an Honorary Consultant in Interventional Radiology at Great Ormond Street Hospital. His interests include interventional radiology, CT and ultrasound.

Dr Nooshin Barmania is an SpR in Respiratory Medicine at Basildon University Hospital, Essex

Dr Syed Arshad Husain is a Consultant in Respiratory Medicine at Maidstone Hospital. His interest is in Interventional Bronchoscopy and Medical Thoracoscopy and Pleural diseases. Currently, actively involved in teaching and training Thoracic Ultrasound for Chest trainees from his Hospital. He also has a specialist interest in Cryotherapy work for lung cancer tumour ablation.

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

Dr Harith Al-Rawi is a Consultant in Adult and Paediatric Emergency Medicine at St Thomas' Hospital, London

Dr Anant Patel is a Respiratory SpR & MRC Clinical Research Fellow at the Royal Free Hospital, London

Dr Anu Balan is a Consultant Thoracic Radiologist at the Addenbrooke's Hospital, Cambridge

Dr Mia Morgan is a SpR in Radiology at the Southampton General Hospital

Dr James Goldring is a Consultant Respiratory Physician

Dr James Pilcher is a Consultant in Radiology at St George's Hospital

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

Dr Sandeep Pathak is a Consultant in Radiology at Whipps Cross University Hospital



BOOKING FORM

Towards Level 1 4th London Thoracic Ultrasound Course

on Wednesday 15 June 2011,
at the Russell Square Conference Centre,
10-12 Russell Square, London WC1B 5EH

COURSE FEE

NHS: £295 (inc. VAT)

Private Sector: £400 (inc. VAT)

Course fee includes web access to the lecture slides,
lunch and refreshments and attendance certificate.

How To Book

Complete delegate and payment details, below,
and fax to 020 8290 6917 or post to:

Infomed Research & Training Limited,
PO Box 1028, Bromley, BR1 9JP

You can also **BOOK ONLINE** at: www.infomedltd.co.uk

Confirmation, venue map and receipt will follow by email.

General queries: tel. 020 8123 0021,
fax 020 8290 6917,
e-mail conferences@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

Maestro Issue No (for Maestro)

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**, PO Box 1028, Bromley BR1 9JP

By **BACS**: HSBC, London Bridge Branch,
28 Borough High Street, London SE1 1YB,
Sort code: 40-06-21 Account: 81585045

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: Somers,
Mounts Hill, Benenden, Kent TN17 4ET.
VAT No. 887 8570 48