Radiology in the Assessment of the Critically Ill Patient: CT and XR Interpretation
What the Consultant Intensivist needs to know

An intensive and interactive case-based course, with short lectures, to develop further your CT and XR interpretation practice

organised by Infomed Research & Training
on Wednesday 7 and Thursday 8 March 2018, at ULL, 33 Finsbury Square, London EC2A 1AG
(not Park Plaza County Hall Hotel, 1 Addington Street, London SE1 7RY)

Target Audience
The course is aimed at Consultants and SASGs in Intensive Care, and Consultant and SASG Anaesthetists covering Intensive Care sessions. Suitable also for senior STs.

Course Director
Dr Justin Kirk-Bayley, Consultant Anaesthetist and Intensivist, Royal Surrey County Hospital, Guildford

Course Advisor
Dr Elizabeth Dick, Consultant Radiologist and Honorary Senior Lecturer, Imperial College Healthcare NHS Trust

Course Faculty
Leading Consultant Radiologists and experienced in advancing the skills of other specialists

- Dr Sa Tran, Consultant Radiologist, King's College Hospital, London
- Dr Raj Das, Consultant Radiologist, Glenfield Hospital, Leicester
- Dr Tim Yusuf, Consultant Radiologist, King's College Hospital, London
- Dr Anish Raithatha, ST in Radiology, Imperial College Healthcare NHS Trust
- Dr Ana Nicolescu, Consultant Radiologist, Barts Health NHS Trust
- Dr Maureen Dumba, Senior Fellow, Imperial College Healthcare NHS Trust
- Dr Emma Helm, Consultant Radiologist, University Hospitals Coventry and Warwickshire NHS Trust
- Dr Sai Priya Ramji, Senior Neuroradiology Fellow, Salford Royal NHS Foundation Trust

About this unique Course
- Numbers strictly limited. Two attendees per iMac workstation for peer interaction and learning
- Case based learning with short introductory lectures, offering guidance and practical knowledge
- Interactive discussions, what is relevant and significant, tips and take home messages that will change your interpreting practice

The Course will assist the Intensivist
- to understand how radiological investigations can best be used to assist in the management of critically ill patients (covering head and spine, chest, abdomen)
- to interpret radiological investigations performed on critically ill patients
- to acquire a systematic approach to image interpretation
- to understand what not to miss and why, including life threatening problems, and common errors to avoid
- to know what investigation to ask from the Radiologists and when to ask for help!
- to understand the key guidelines and protocols
- to understand the roles, advantages, disadvantages of modalities, i.e. Plain XR, US, CT and MR

To book a place: www.infomedltd.co.uk
or call 020 3236 0810

Approved by RCoA for 11 CPD credits
CPD Matrix Code: 201

Revildation for Anaesthetists
Course aim and learning outcomes

To provide the busy, ‘hands-on’ Consultant Intensivist with a practical, stimulating and comprehensive update on the best use of imaging in the assessment of the critically ill patient:
(i) practical (workstation based learning);
(ii) stimulating (interactive, challenging, real-life cases, immediate feedback); and
(iii) comprehensive (head and spine, chest, abdomen).

By the end of the course, the delegate will have:
(1) a comprehensive understanding of good/best imaging interpretation and reporting practice in intensive care;
(2) improved imaging interpretation skills;
(3) greater confidence in advanced practice; and
(4) identified skills and knowledge gaps, if any, relevant to his/her practice, and clear ways by which these can be addressed.

Day 1: Wednesday 7 March 2018

08.30 – 09.15 Registration, tea and coffee

09.15 – 09.45 Introduction and OsiriX Briefing
- Aims of course
  - Understanding how radiological investigations can be used to aid management of critically ill patients
  - Interpreting radiological investigations performed on critically ill patients
  - How to use OsiriX (for viewing DICOM images)

Head and Spine

09.30 – 10.30 Lecture and Cases: C-Spine
Dr Anish Raithatha, ST in Radiology, Imperial College Healthcare NHS Trust

- Key anatomy
- Clearing the C-Spine in the unconscious patient
- When to take off the collar – NICE guidelines?
Cases including:
  - Differentiating between stable and unstable injuries
  - Common injury patterns of the cervical spine
  - Associated injuries, e.g. vascular dissection
  - Patterns of prognosis according to level affected

10.30 – 10.45 Lecture: Acute Non-Traumatic CT Head
Dr Maureen Dumba, Senior Fellow, Radiology, Imperial College Healthcare NHS Trust

- Normal variants
- CVA – timing of pathological changes
- When is it safe to LP?
- Role of perfusion CT

10.45 – 11.00 Tea and coffee

11.00 – 12.00 Cases: Acute Non-Traumatic CT Head
Dr Maureen Dumba, Senior Fellow, Radiology, Imperial College Healthcare NHS Trust

Cases including:
- Meningitis
- Raised intracranial pressure
- Subarachnoid haemorrhage

12.00 – 13.00 Cases: Trauma CT Head
Dr Saipriya Ramji, Senior Neuroradiology Fellow, Salford Royal NHS Foundation Trust

Cases including:
- Cranial vault and cranial base fractures
- Intracranial extra-axial injury
- Subarachnoid and intraventricular haemorrhage
- Cerebral contusion
- Brain herniation

13.00 – 13.45 Lunch

13.45 – 14.30 Cases: Trauma CT Head Continued
Dr Saipriya Ramji, Senior Neuroradiology Fellow, Salford Royal NHS Foundation Trust

Chest

14.30 – 15.00 Lecture: Chest Radiology
Dr Sa Tran, Consultant Radiologist, King’s College Hospital, London

- Key anatomy
- Synergism of CXR, USS and CT in chest diseases
- Systematic approach to interpretation
- Misplaced lines and tubes
- Supine CXR
  - Supine CXR vs. Erect
  - Lines and nodules
  - Life threatening problems

15.00 – 15.15 Tea and coffee

15.15 – 16.15 Cases: Supine CXR [compared to CT, US]
Dr Raj Das, Consultant Radiologist, Glenfield Hospital, Leicester

Cases including:
- Collapse
- Heart failure
- Pleural effusions/empyema/Hx
- Px/tension Px
- Supine PTx
- Consolidation
- ARDS vs pulmonary oedema
Cases: CT Chest
Dr Sa Tran, Consultant Radiologist, King's College Hospital, London
Cases including:
- Chest wall injury
- Trauma to the lung
- Mediastinal and vascular injury
- Trauma to the heart and pericardium
- Diaphragm damage/dysfunction
- Considerations in penetrating vs blunt injury (King’s)
- Aneurysms
- Fibrosis
- Bronchiectasis & airway disease
- ARDS
- Pulmonary embolism
- Barotrauma and ballistics
- Patterns of infections

Day 2: Thursday 8 March 2018

08.30 – 09.15 Registration, tea and coffee
09.15 – 09.30 Introduction

09.30 – 11.00 Cases: CT Chest [CONTINUED]
Dr Emma Helm, Consultant Radiologist, University Hospitals Coventry and Warwickshire NHS Trust

11.00 – 11.30 Tea and coffee

Abdo

11.30 – 12.00 Lecture: Abdo Radiology
Dr Tim Yusuf, Consultant Radiologist, King's College Hospital, London
- Key anatomy
- DD of gallstones/cholecystitis
- Renal tract
- Renal calculi – investigations
- AAA – stable/rupture
- Ovarian cysts and masses
- Uterus fibroids

15.40 – 16.45 Further Cases: Chest and Abdo Multi-Modality
Dr Tim Yusuf and Dr Ana Nicolescu