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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**,
in central London, venue to be confirmed



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 Calvin Soh**, Consultant Radiologist, Salford Royal NHS Foundation Trust
- **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 Mohammad Daneshi**, Consultant Radiologist, Croydon University Hospital, London
- **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

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

Course aim and learning outcomes

To provide the busy, 'hands-on' Consultant Intensivist with a practical, stimulating and comprehensive update on imaging interpretation and reporting:

- (i) **practical** (workstation based learning);
- (ii) **stimulating** (interactive, high tutor-delegate ratio, challenging, real-life cases, immediate feedback); and
- (iii) **comprehensive** (head, chest and 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 and reporting 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

09.45 – 10.15

Lecture: Head and Spine Radiology

Dr Maureen Dumba, Senior Fellow,
Imperial College Healthcare NHS Trust

- Key anatomy
- Clearing the C-Spine in the unconscious patient
- When to take off the collar – NICE guidelines?
- Acute Non-Traumatic CT Head
- When is it safe to LP?
- Role of perfusion CT

10.15 – 11.00

Cases: Acute Non-Traumatic CT Head

Dr Maureen Dumba, Senior Fellow,
Imperial College Healthcare NHS Trust

Cases including:

- Meningitis
- Raised intracranial pressure
- Subarachnoid haemorrhage
- Normal variants
- CVA – timing of pathological changes

11.00 – 11.45

Cases: Trauma CT Head

Dr Calvin Soh, Consultant Radiologist,
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

11.45 – 12.15 **Tea and coffee**

12.15 – 13.00

Cases: Trauma CT Head *CONTINUED*

Dr Calvin Soh, Consultant Radiologist,
Salford Royal NHS Foundation Trust

13.00 – 13.40 **Lunch**

13.40 – 14.30

Cases: Cervical spine

Dr Maureen Dumba, Senior Fellow,
Imperial College Healthcare NHS Trust

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

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

16.15 – 17.15

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

17.15 **Close**

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

12.00 – 13.00

Cases: Abdo XR

Dr Mohammad Daneshi,
Consultant Radiologist,
Croydon University Hospital, London

Cases including:

- Renal calculi
- Bowel obstruction/volvulus
- Faecal loading
- Bowel oedema and ascites

13.00 – 13.45 **Lunch**

13.45 – 15.15

Cases: CT Abdo

Dr Ana Nicolescu,
Consultant Radiologist,
Barts Health NHS Trust

Cases including:

- Trauma:
 - Hepatobiliary and pancreatic trauma
 - Splenic trauma
 - Injuries to the urinary system and retroperitoneum
 - Vascular injuries
 - Bowel and mesenteric injury (the seat belt injury)
- Non-trauma:
 - Infections
 - Air in the wall
 - Abscesses/collections/ascites
 - Renal calculi
 - Renal problems
 - Bowel problems
 - Pancreatitis

15.15 – 15.40 **Tea and coffee**

Review

15.40 – 16.45

Further cases: Chest and Abdo Multi-Modality

16.45

**Feedback,
collection of Certificates of
Attendance and close**

Booking Form

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COURSE FEE

Early bookers rate

(booking and paying before Fri 26 Jan 18):
NHS: £525 (inc. VAT)

Standard rate

(booking and paying on or after Fri 26 Jan 18):
NHS: £595 (inc. VAT)

Course fee includes lunch and refreshments, course lecture slides (pdf) when provided by faculty, and attendance CPD certificate.

How To Book

Complete delegate and payment details and post to:

Infomed Research and Training,
2nd Floor, Northside House,
69 Tweedy Road, Bromley BR1 3WA

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

Confirmation, venue map and receipt will follow by email.

General queries: tel. 020 3236 0810,
e-mail courses@infomedltd.co.uk

For a copy of this programme: www.infomedltd.co.uk

For information on accommodation: www.infomedltd.co.uk

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Surname

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Email *

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TERMS AND CONDITIONS

1) The subscription fee includes password protected web access to lecture slides (pdf) when provided by faculty, 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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