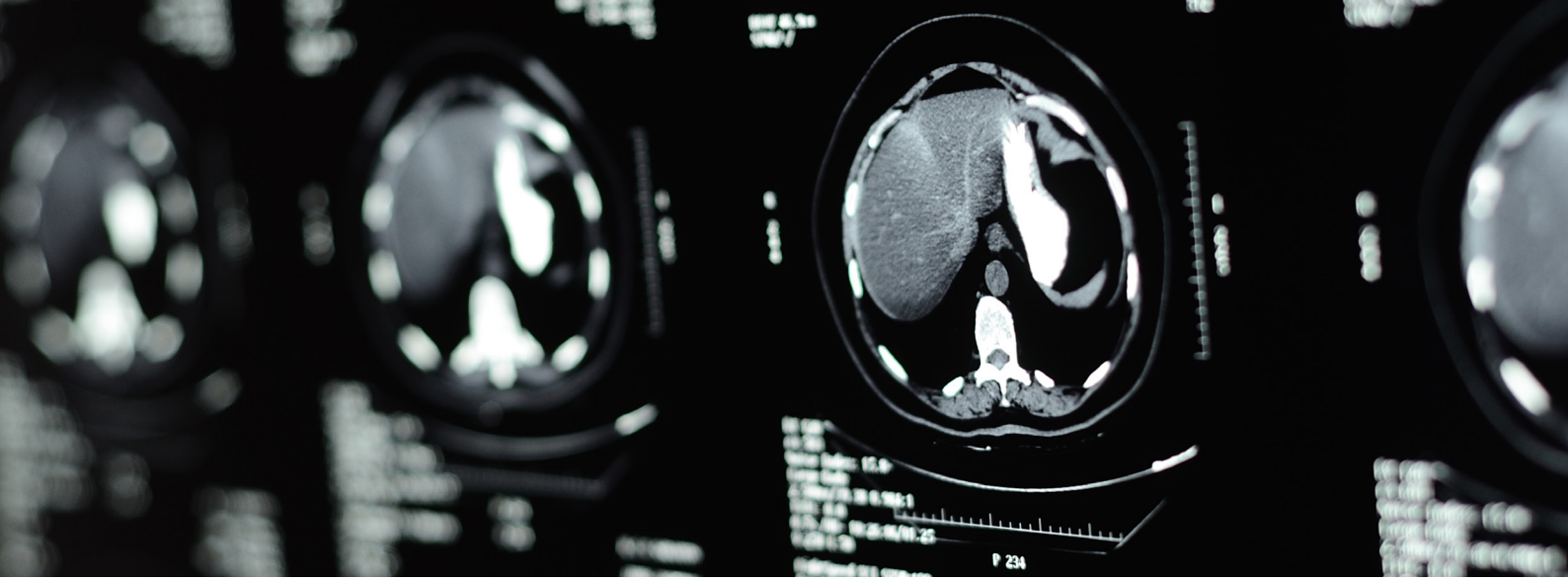

RADIOLOGY FOR CRITICAL CARE TRAINEES

This course covers the imaging of the body relevant to the critical care trainee including x-ray, ultrasound and CT interpretation. A comprehensive review of the fundamental principles of chest and emergency x-ray interpretation will be provided with a focus on chest x-ray interpretation including the identification of tubes/lines, normal variants and common pathology. In addition, the emergency x-ray portion will cover the normal, variant and common pathology of the bony skeleton.

This course will cover a variety of online courses including:

1. Introduction To Radiology Modalities Online
2. Anatomy - CT, MRI & X-Ray Drag & Drop Quiz
3. X-Ray - Chest Interpretation Essentials Online
4. X-Ray - Emergency Interpretation Essentials Online
5. CT - Acute Medical and Surgical Interpretation Online
6. Ultrasound - Critical Care Online

CURRICULUM

1. INTRODUCTION TO RADIOLOGY MODALITIES

Introduction to X-ray, CT, Ultrasound and MRI imaging modalities.

This online course aims to introduce basic imaging physics, principles of image formation, advantages & disadvantages of image acquisition and basic imaging techniques. ESTIMATED DURATION: 2.5 hours

1.1	X-Ray - Introduction to X- Ray generation and imaging
1.2	CT - Introduction to Computed Tomography (CT) and imaging
1.3	Ultrasound - Introduction to Ultrasound physics and imaging

2. ANATOMY DRAG & DROP QUIZ

Introduction to X-ray, CT, Ultrasound and MRI imaging modalities.

This online course aims to introduce basic imaging physics, principles of image formation, advantages & disadvantages of image acquisition and basic imaging techniques. ESTIMATED DURATION: 5-10 hours (based on prior knowledge)

2.1	Test your anatomy knowledge with our quiz

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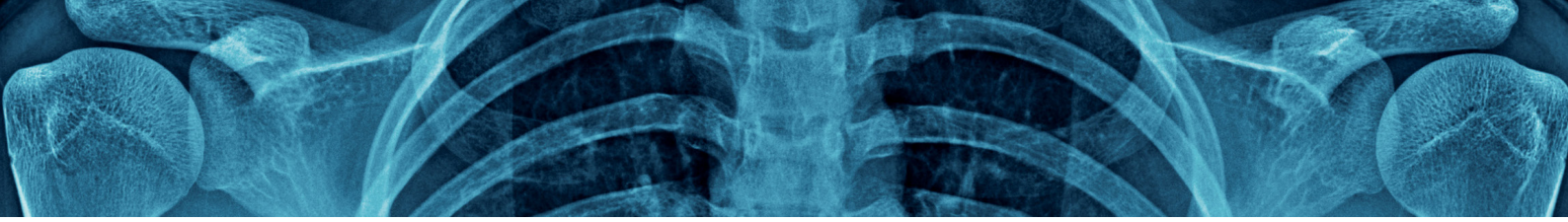

RADIOLOGY FOR CRITICAL CARE TRAINEES

ONLINE MODULES (EACH MODULE CONTAINS INTERACTIVE CASES AND QUESTIONS)

3 & 4. X-RAY CHEST & EMERGENCY INTERPRETATION

Our Chest X-Ray Interpretation and Emergency X-Ray Interpretation courses bundled together. This course provides a comprehensive review of the fundamental principles in chest and emergency X-Ray interpretation.

Despite the technological advancements in medical imaging, the chest X-Ray remains the most frequently requested radiological investigation, and one of, if not the most difficult to interpret correctly. Often the chest x-ray will be used in conjunction with other examinations, especially in emergency cases. This course will provide practitioners with the knowledge and confidence to review radiographic techniques and recognise normal variants and radiographic patterns of trauma and injury commonly encountered for the chest, cervical & thoracolumbar spine, pelvis, upper & lower limbs, skull and face.

ESTIMATED DURATION: 1 hour per lecture. 30 mins per case review. (16 hours)

3.1	CXR: Introduction Techniques and Technical Adequacy This module provides an introduction to chest x-ray interpretation, as well as techniques and technical adequacy.
3.2	CXR: Terminology This module provides an overview of chest x-ray terminology.
3.3	CXR: Tubes & Lines This module covers chest x-ray interpretation of tubes and lines.
3.4	CXR: Cardiomediastinal Contours This module covers chest x-ray interpretation of normal, variants and common pathology of the cardiomediastinal contours.
3.5	CXR: Hila and Pleura This module covers chest x-ray interpretation of normal, variants and common pathology of the hila and pleura.
3.6	CXR: Airways and Lungs This module covers chest x-ray interpretation of normal, variants and common pathology of the airways and lungs.
3.7	CXR: Bones and Soft Tissues This module covers chest x-ray interpretation of normal, variants and common pathology of the bones and soft tissues.
3.8	CXR: Review Areas & Image Comparison This module covers review areas and comparison with previous imaging.
4.1	Emergency X-Ray: Basic Principles and Terminology This module provides an introduction to the basic principles and terminology of emergency x-ray interpretation.
4.2	Emergency X-Ray: Cervical Spine This module covers emergency x-ray interpretation of normal, variants and common pathology of the cervical spine.
4.3	Emergency X-Ray: Thoracolumbar Spine This module covers emergency x-ray interpretation of normal, variants and common pathology of the thoracolumbar spine.
4.4	Emergency X-Ray: Pelvis This module covers emergency x-ray interpretation of normal, variants and common pathology of the pelvis.
4.5	Emergency X-Ray: Lower Limb This module covers emergency x-ray interpretation of normal, variants and common pathology of the lower limb.
4.6	Emergency X-Ray: Upper Limb This module covers emergency x-ray interpretation of normal, variants and common pathology of the upper limb.
4.7	Emergency X-Ray: Skull & Face This module covers emergency x-ray interpretation of normal, variants and common pathology of the skull and face.

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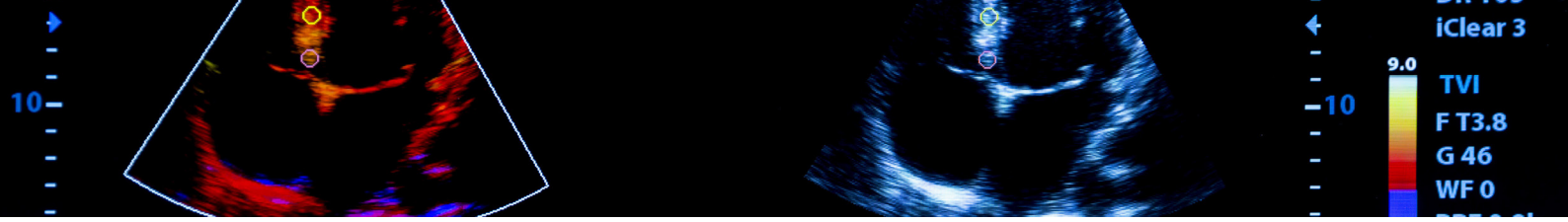

RADIOLOGY FOR CRITICAL CARE TRAINEES

ONLINE MODULES (EACH MODULE CONTAINS INTERACTIVE CASES AND QUESTIONS)

5. CT ACUTE MEDICAL & SURGICAL INTERPRETATION

The perfect introduction to computed tomography in the acute clinical setting.

Designed in a systematic learning format, the course covers acquisition, normal variations, patterns of disease & pitfalls in CT imaging of the head, chest, abdomen, pelvis, cervical & thoracolumbar spine.

ESTIMATED DURATION: 1 hour per lecture. 30 mins per case review. (7.5 hours)

5.1	CT Brain + Skull Overview of acute CT imaging of the brain including haemorrhage, herniation, contusion, infarction, infection, vascular abnormalities and skull fractures.
5.2	CT Chest Overview of acute CT imaging of the chest including goitre, pericardial effusion, aortic dissection, CT coronary angiography, pulmonary emboli, oesophageal rupture, pneumomediastinum, pneumothorax, lung contusion and laceration, consolidation, collapse, pulmonary oedema, pulmonary nodes and fractures.
5.3	CT Abdo/ Pelvis Part 1 Overview of acute CT imaging of the abdomen including pathology of the liver, spleen, pancreas, adrenals, kidneys, bladder and pelvic viscera.
5.4	CT Abdo/ Pelvis Part 2 Overview of acute CT imaging of the abdomen including pathology of the small and large bowel, aorta, IVC, and fractures.
5.5	CT Spine + Pelvis Overview of acute fractures and disc pathology of the spine and pelvis.

6. ULTRASOUND CRITICAL CARE

This online course is designed for those working in the critical care setting to have a fundamental understanding of the techniques and interpretation of ultrasound at the bedside with a focus on RUSH techniques including HI MAP, and ultrasound guided intervention.

ESTIMATED DURATION: 8 hours

6.1	Basic Principles and Terminology
6.2	Chest
6.3	Echocardiography
6.4	FAST scan
6.5	Abdominal Aorta & IVC
6.6	Liver & Biliary Tree
6.7	Spleen & Pancreas
6.8	Renal Ultrasound
6.9	Female Pelvis & First Trimester
6.10	Upper & Lower Limb

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