

# Learning Outcomes

RADIOLOGY  
masterclass



## Radiology Masterclass

### Trauma X-ray Interpretation - Axial Skeleton

#### Course aims

- To learn or revise knowledge necessary for interpretation of the common radiographs acquired in the context of trauma of the axial skeleton
- To objectively demonstrate radiographic interpretation skills by completion of a summative and graded online assessment based on the knowledge learned

#### Course learning outcomes

On completion of the course the practitioner will be able to:

- Describe the commonly used anatomical terms required for description of radiographs of the musculoskeletal system with specific reference to basic bone and joint anatomy of the axial skeleton
- Employ a systematic approach for interpretation of radiographs of the axial skeleton in the context of trauma and demonstrate use of the general principles required for accurate image interpretation
- Attribute descriptive terms to the range of common fractures as seen on radiographs in the context of trauma to the axial skeleton
- Attribute descriptive terms to joint dislocations or fracture-dislocations as seen on radiographs in the context of trauma to the axial skeleton
- Attribute descriptive terms to artifacts commonly seen on radiographs following or during treatment for traumatic injuries to the axial skeleton
- Use correct terms commonly required for description of fracture complications as seen on radiographs in the context of trauma to the axial skeleton
- Determine the difference between true traumatic injuries seen on radiographs and mimics which are commonly mistaken for traumatic injuries to the axial skeleton
- Determine the presence or absence of radio-opaque foreign bodies on radiographs in the context of penetrating injuries
- Show awareness of common soft tissue abnormalities in the context of trauma which may or may not be associated with fractures which themselves may or may not be directly visible on radiographs in the context of trauma to the axial skeleton
- Demonstrate knowledge of the appearance of common fractures of the axial skeleton
- Demonstrate the ability to interpret radiographs as either normal or abnormal in the context of common skeletal and soft tissue trauma to the axial skeleton
- Objectively establish and demonstrate a level of confidence appropriate for interpretation of radiographs in the context of trauma, by completion of an online assessment of interpretation skills (with generation of a personalised and verifiable online – and printable – course completion certificate stating the practitioner's details and mark as a percentage)