

<b>Module Title</b> <b>Radiographic Appearances Of Musculo-skeletal Patho-physiology And Trauma</b>	Reference HSM132 SCQF SCQF Level 11 SCQF Points 15 ECTS Points 7.5 Created October 2012 Approved March 2013 Amended December 2015 Version No. 3
<b>Keywords</b> Image appearances, patho-physiology, appendicular skeleton, axial skeleton, trauma	

## This Version is No Longer Current

The latest version of this module is available [here](#)

### Prerequisites for Module

Honours degree, or equivalent, in a relevant health care discipline.

Assessment and significance of clinical information in the context of the patient's diagnostic pathway

### Corequisite Modules

HSM131; HSM133; HSM134

### Precluded Modules

None.

### Indicative Student Workload

<i>Contact Hours</i>	Part Time
Lectures, tutorials, workshops	20

### Aims of Module

The aim of the module is to enable the healthcare practitioner to develop the knowledge base, interpretive and evaluative skills required for recognition of patho-physiological appearances

<i>Directed Study</i>	40
Virtual learning environment	20
<i>Private Study</i>	70

patho-physiological appearances demonstrated on diagnostic images of the appendicular and axial musculo-skeletal systems.

### **Learning Outcomes for Module**

On completion of this module, students are expected to be able to:

1. Interpret and evaluate physiological, pathological and traumatic appearances demonstrated on diagnostic images of the appendicular and axial musculo-skeletal systems.
2. Critically appraise and communicate patho-physiological and trauma related findings in a holistic manner relative to the clinical presentation of the patient.
3. Critically assess the factors involved in pattern recognition, image interpretation and the reporting of clinical findings in the context of patho-physiological appearances.
4. Critically evaluate the significance of normal variant appearances that may be demonstrated on diagnostic images of the appendicular and axial musculo-skeletal systems.

### **Indicative Module Content**

### **Mode of Delivery**

Lectures, tutorials, workshops and virtual learning environment activities

### **Assessment Plan**

	Learning Outcomes Assessed
Component 1	1,2,3,4

Component 1 is an Objective Structured Clinical Examination

### **Indicative Bibliography**

1. DEPARTMENT OF HEALTH (DOH), 2017. i: Ionising radiation (medical exposure) regulations. Norwich. ii. DOH. / REGULATION AND QUALITY IMPROVEMENT AUTHORITY (RQIA), 2018. Ionising radiation (medical exposure) regulations (Northern Ireland). Belfast: RQIA.
2. HEALTH AND SAFETY EXECUTIVE (HSE), 2017. i: Ionising radiation regulations. London. ii: HSE. / HEALTH AND SAFETY EXECUTIVE NORTHERN IRELAND (HSENI), 2017. Ionising radiation regulations (Northern Ireland). Belfast: HSENI.

Clinical application of the principles of pattern recognition and image interpretation of diagnostic images of the appendicular and axial musculo-skeletal systems  
 Principles of reporting, specific to the appendicular and axial musculo-skeletal system  
 Radiological appearances of normal and pathological presentations of the appendicular and axial musculo-skeletal systems  
 Role of other imaging modalities in the diagnosis of appendicular and axial musculo-skeletal conditions  
 Normal variants

- 3.HOLMES, E.J. & MISRA, R.R., 2006. A-Z of emergency radiology. Cambridge: Churchill Livingstone.
- 4.McCONNELL, J., EYRES, R. & NIGHTINGALE, J., 2005. Interpreting trauma radiographs. Oxford: Blackwell Publishing Limited.
- 5.PEH, W |Editor., 2017. Pitfalls in Musculoskeletal Radiology. Cham: Springer International. (Ebook)
- 6.RABY, N., BERMAN, L., MORLEY, S. & De LACEY, G., 2014. *Accident & emergency radiology: a survival guide*, 3rd ed. London: Saunders Limited.
- 7.RAFIEE, H., 2019. *Chapman & Nakielny's aids to radiological differential diagnosis*, 7th ed. London: Elsevier.
- 8.SOCIETY AND COLLEGE OF RADIOGRAPHERS (SCoR), 2009. *Practice standards for the imaging of children and young people*. London: SCoR.