

Module Title Diagnostic Image Reporting Of The Axial Musculo-skeletal System	Reference HSM134 SCQF SCQF Level 11 SCQF Points 15 ECTS Points 7.5 Created October 2012
Keywords Reporting, healthcare practitioner, axial skeleton	Approved March 2013 Amended December 2015 Version No. 3

This Version is No Longer Current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.

Corequisite Modules

HSM131; HSM132 and HSM133 or recognition of prior learning

Precluded Modules

None.

Aims of Module

The aim of the module is to enable the participant to develop to the required standard, clinical skills in the analysis, interpretation and evaluation of radiographs of the axial

Indicative Student Workload

<i>Contact Hours</i>	Part Time
Clinically based assessment	20
Lectures; workshops; tutorials	20
<i>Directed Study</i>	60
<i>Private Study</i>	50

Mode of Delivery

Lectures; workshops; work based learning

Assessment Plan

radiographs of the axial musculo-skeletal system in order to provide a diagnostic image report

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

Learning Outcomes for Module

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

1. Clinically analyse, interpret and critically evaluate diagnostic image appearances of the axial musculo-skeletal system to a specified accuracy level.
2. Through effective clinical reasoning, demonstrate synthesis and appropriate judgements in determining the outcomes and consequences of radiographic appearance.
3. Critical appraise and communicate radiological findings in a holistic manner relative to the clinical presentation of the patient.
4. Assess the quality assurance factors to enable the critical evaluation of their performance in axial musculo-skeletal reporting.

Indicative Module Content

Application of the principles of pattern recognition and image

Portfolio

Indicative Bibliography

1. AU-YONG, I., AU-YONG, A. & BRODERICK, N., 2010. *On-call x-rays made easy*. London: Churchill Livingstone.
2. DEPARTMENT OF HEALTH (DOH), 2017. *Ionising radiation (medical exposure) regulations*. Norwich: DOH. / REGULATION AND QUALITY IMPROVEMENT AUTHORITY (RIQA), 2018. *Ionising radiation (medical exposure) regulations (Northern Ireland)*. Belfast: RQIA.
3. HARDY, M. & SNAITH, B. 2010. *Musculoskeletal trauma: A guide to assessment and diagnosis*. London: Churchill Livingstone.
4. HEALTH AND SAFETY EXECUTIVE (HSE), 2017. *Ionising radiation regulations*. London: HSE. / HEALTH AND SAFETY EXECUTIVE NORTHERN IRELAND (HSENI), 2017. *Ionising radiation regulations (Northern Ireland)*. Belfast: HSENI.

pattern recognition and image
 interpretation of plain
 radiographs of the axial
 musculo-skeletal system
 Production of reports for
 musculo-skeletal diagnostic
 images
 Patient management and onward
 referral
 Recognition and evaluation of
 the validity of other imaging
 modalities in the diagnosis of
 axial musculo-skeletal conditions
 Employing a range of
 measurement approaches to
 demonstrate the level of
 agreement with the accepted
 standard

5. HOLMES, E.J. & MISRA, R.R., 2006. *A-Z of emergency radiology*. Cambridge: Churchill Livingstone.
6. McCONNELL, J., EYRES, R. & NIGHTINGALE, J., 2005. *Interpreting trauma radiographs*. Oxford: Blackwell Publishing Limited.
7. RABY, N., BERMAN, L., MORLEY, S. & De LACEY, G., 2014. *Accident & emergency radiology: a survival guide*, 3rd ed. London: Saunders Limited.
8. SOCIETY AND COLLEGE OF RADIOGRAPHERS (SCoR), 2009. *Practice standards for the imaging of children and young people*. London: SCoR.