MODULE DESCRIPTOR

Module Title

Radiographic Appearances Of Musculo-skeletal Patho-physiology And Trauma

Reference	HSM132	Version	4
Created	October 2017	SCQF Level	SCQF 11
Approved	March 2013	SCQF Points	15
Amended	October 2017	ECTS Points	7.5

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 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

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

Module Delivery

Lectures, tutorials, workshops and virtual learning environment activities

Indicative Student Workload	Full Time	Part Time
Contact Hours	N/A	60
Non-Contact Hours	N/A	90
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	N/A	150
Actual Placement hours for professional, statutory or regulatory body		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Examination	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4
Description:	Image based OSCE				

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

Overall grade is determined as follows;

Module Grade	Minimum Requirements to achieve Module Grade:
A	Questions 1-4, 70% or above plus a pass in Question 5 (80% or above)
B	Questions 1-4, 60% - 69% plus a pass in Question 5 (80% or above)
C	Questions 1-4, 50% - 59% plus a pass in Question 5 (80% or above)
D	Questions 1-4, 40% - 49% plus a pass in Question 5 (80% or above)
E	Questions 1-4, 30% - 39% and/or a fail in Question 5 (less than 80%)
F	Failure to achieve Grade E requirements.
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	Honours degree, or equivalent, in a relevant health care discipline.
Corequisites for module	HSM131; HSM133; HSM134
Precluded Modules	None.

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.

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.