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MODULE DESCRIPTOR

Module Title

Applied Radiographic Anatomy

Reference	HS1058	Version	6
Created	July 2017	SCQF Level	SCQF 7
Approved	November 2007	SCQF Points	30
Amended	August 2017	ECTS Points	15

Aims of Module

To enable the student to gain a comprehensive knowledge of normal radiographic anatomy.

Learning Outcomes for Module

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

- 1 Identify gross anatomy of the skeleton and body systems.
- 2 Describe the physiology related to the skeleton and body systems.
- 3 Identify the anatomy of the skeleton and body systems from planar and cross-sectional radiographic images.
- 4 Describe the radiographic appearance, location, vertebral levels and anatomical relationships of major organs, vessels and structures.
- 5 Recognise surface markings, relating them to internal anatomy.

Indicative Module Content

Skeletal anatomy and associated radiographic appearances Gross anatomy of the body systems and associated radiographic appearances Normal function of the skeleton and body systems Anatomical locations and relationships of major organs and structures Cross sectional anatomy Vertebral levels Surface anatomy Vessels and pathways Plain radiographic images CT images MRI images Ultrasound images

Module Delivery

Lectures, image workshops, tutorials, directed study.

Indicative Student Workload

	Full Time	Part Time
Contact Hours	70	N/A
Non-Contact Hours	230	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

ASSESSMENT PLAN

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

Component 1

Type: Practical Exam Weighting: 70% Outcomes Assessed: 1, 2, 3, 4
 Description: Computer based objective structured clinical examination (OSCE)

Component 2

Type: Practical Exam Weighting: 30% Outcomes Assessed: 5
 Description: Surface anatomy practical examination

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

C1: marked in accordance with agreed outline answers C2: performance assessed with a grading proforma
 Overall grade determined as follows:

Module Grade	Minimum Requirements to achieve Module Grade:
A	70% and above in MCQ OSCE, a Pass in surface markings exam and fulfils all attendance requirements
B	60% to 69% in MCQ OSCE, a Pass in surface markings exam and fulfils all attendance requirements
C	50% to 59% in MCQ OSCE, a Pass in surface markings exam and fulfils all attendance requirements
D	40% to 49% in MCQ OSCE, a Pass in surface markings exam and fulfils all attendance requirements
E	30% to 39% in MCQ OSCE, a Pass in surface markings exam and fulfils all attendance requirements
F	29% or less in MCQ OSCE and/or a Fail in surface markings exam and/or does not fulfil module attendance requirements.
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None, in addition to course entry requirements.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- CARVER, E. & CARVER, B., 2021. *Medical imaging*. 3rd ed. London: Churchill Livingstone Elsevier.
- ELLIS, H. et al., 2016. *Human sectional anatomy, pocket atlas of body sections, CT and MRI images*. 4th ed. London: CRC Press.
- GUNN, C., 2022. *Bones and joints: a guide for students*. 8th ed. Edinburgh: Churchill Livingstone Elsevier.
- SHIER, D.N., BUTLER, J.L. et al., 2022. *Hole's essentials of human anatomy and physiology*. 16th ed. Maidenhead: McGraw-Hill.
- WAUGH, A. & GRANT, A., 2022. *Ross and Wilson: anatomy and physiology in health and illness*. 14th ed. Edinburgh: Churchill Livingstone Elsevier.
- WEIR, J. et al., 2010. *Imaging atlas of human anatomy*. 4th ed. London: Mosby.