

Module Details	
Module Title	Medical Image Reporting MSK
Module Code	RAD7013-C
Academic Year	2021/2
Credits	30
School	School of Allied Health Professions and Midwifery
FHEQ Level	FHEQ Level 7

Contact Hours	
Type	Hours
Lectures	30
Online Lecture (Asynchronous)	10
Work based learning	120
Online Lecture (Synchronous)	20
Interactive Learning Objects	20
Directed Study	100

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Non-Standard Academic Year

Module Aims
<ol style="list-style-type: none"> <li>1. To provide the student with a structured and monitored experiential learning opportunity.</li> <li>2. To enable the student to further develop the theoretical and clinical knowledge base required to interpret musculoskeletal radiographs.</li> <li>3. To develop the student`s ability to construct clear and concise medical image reports.</li> </ol>

## Outline Syllabus

The student will: explore the signs and symptoms of musculoskeletal disease and trauma and develop clinical assessment competencies to underpin their clinical decision making; undertake a wide range of reports of musculoskeletal radiographs developing expertise and autonomy as an advanced clinical Practitioner (ACP); gain knowledge of image optimisation for diagnosis and appreciate the relevance of alternative imaging modalities and diagnostic tests; explore their role and responsibility in maintaining and improving evidence based image acquisition techniques and quality; understand their responsibility as a professional role model and support development of the wider clinical team within the specialty; analyse the contribution of image reporting pathways to patient care and management and reflect on legislative and professional body documentation in the context of potential scope of practice, service quality and safety; reflect on personal skills, knowledge and practice development, completing an audit of practice to demonstrate clinical application of learning.

## Learning Outcomes

Outcome Number	Description
01	Critically reflect on the relationship between the radiographic technique and the influence that the image report can have on patient management and clinical pathways.
02	Enhance and utilise the skills required in the construction of clear and concise musculoskeletal radiography reports.
03	Critically analyse patient presentation, clinical history and radiographic images and reflect on their diagnostic utility.
04	Recognise limitations of own skills and knowledge, identifying when to seek advice and support from peers and the multiprofessional team
05	Demonstrate effective use of technology in their role.
06	Effectively communicate imaging outcomes and relevant advice with stakeholders, including patients, carers and referrers.
07	Undertake peer review audit to recognise learning needs of self and others, identifying continuous professional development opportunities
08	Evaluate complex issues in an ethical, systematic and creative manner.
09	Evaluate opportunities for self and team to influence service delivery and lead service improvement initiatives in response to population health needs and policy drivers.

## Learning, Teaching and Assessment Strategy

The learning in the module will utilise the knowledge and understanding gained in the co-requisite Principles of Reporting module and apply it to the students own clinical practice. The students will develop their understanding of musculoskeletal pathological processes and mechanisms of injury and through practical experience learn to communicate the findings effectively in a verbal and written report. Whilst on clinical placement the student will complete a record of clinical experience and reporting practice and undertake work-based projects/case studies as part of the learning process. These work-based tasks will include a critical appraisal of published literature and research, and reflection on their practice. Tutorials will be used to facilitate learning from each other and recognised clinical experts and provide opportunities for formative feedback (peer, tutor and self). Technology will be used to support the students learning and to facilitate sharing and collaboration in problem solving whilst they are away from the University.

Achievement of the learning outcomes will be demonstrated through examination of underpinning theoretical knowledge and image reporting skills (assessment 1: learning outcomes 2,3,4,5,6,7) and completion of a work based portfolio (assessment 2) allowing demonstration, through practice audit and case based reflections, of clinical competence in reporting and critical evaluation of medical images and related clinical research (learning outcomes 1,2,3,4,5,6,7,8,9).

Mode of Assessment			
Type	Method	Description	Weighting
Summative	Coursework - Portfolio/e-portfolio	Portfolio of learning and its application to practice	50%
Summative	Coursework - Written	Consecutive audit of reporting reflecting local practice (Pass/Fail)	0%
Summative	Computer-based assessment	Examination ? Computer based (MUST PASS at 90%)	50%

## Reading List

To access the reading list for this module, please visit <https://bradford.rl.talis.com/index.html>

### Please note:

*This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.*