

| Module Details |   |
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| Module Title   | Clinical Image Evaluation                         |
| Module Code    | RAD6006-B   |
| Academic Year  | 2020/1  |
| Credits        | 20  |
| School         | School of Allied Health Professions and Midwifery |
| Subject Area   | Radiography                                       |
| FHEQ Level     | FHEQ Level 6                                      |
| Pre-requisites | N/A   |
| Co-requisites  | N/A   |

| Contact Hours                |       |
|------------------------------|-------|
| Type                         | Hours |
| Online Lecture (Synchronous) | 28    |
| Online Seminar (Synchronous) | 6     |
| Clinical Placement           | 100   |
| Directed Study               | 66    |

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

| Module Aims   |
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| To further develop the student's skills in the evaluation of clinical radiographic images utilising current evidence-based practice and research literature. To enable students to communicate image findings in line with first post competency requirements as stated by Professional and Regulatory bodies in order to enhance patient safety in the clinical environment. |

## Outline Syllabus

Clinical terminology to describe and explain the range of normal and abnormal clinical radiographic imaging appearances; functional anatomy; mechanisms of trauma and associated injuries, pathological processes and their appearances on clinical radiographic images; communication (verbal and written) of clinically relevant diagnostic image information to multi-professional healthcare professionals; understanding of purpose of image evaluation and impact on clinical decision making and patient management; sources of error and how to minimise them.

## Learning Outcomes

| Outcome Number | Description  |
|----------------|--|
| 01             | Utilise an evidence based approach to correlate anatomical appearances with mechanisms of injury and disease processes.  |
| 02             | Compare and contrast imaging appearances seen in their own clinical practice with published case studies of normal variants and pathological conditions.             |
| 03             | Critically evaluate a range of diagnostic images to determine quality thresholds and the impact of image quality on differentiating normal and abnormal appearances. |
| 04             | Evaluate radiographic imaging appearances and formulate comments using appropriate terminology.  |
| 05             | Communicate complex information accurately and effectively in a format accessible to other healthcare professions.   |
| 06             | Solve problems through the application of knowledge and skills.  |

## Learning, Teaching and Assessment Strategy

Online lectures: will focus on the appraisal of radiographic images and their interpretation informed by current research and evidence based practice. Reflection on the impact that human factors can have upon your own professional practice with respect to Provisional Clinical Evaluation as required by the HCPC Standards of Proficiency will be developed. A series of images for evaluation will be presented prior to each lecture as a CANVAS quiz to enable students to test the knowledge and skills pre and post lecture delivery and identify own learning needs.

Online seminars: will provide opportunities to deepen your knowledge and understanding through formative assessment, peer evaluation and identification of student directed topics for revision. Achievement of learning outcomes 1, 2, 3, 4, 5, 6 will be assessed in a single 1.5 hour image evaluation practical exam where students will undertake clinical image evaluations and write clinical comments for a range of normal and abnormal radiographic images as appropriate for first post competencies.

## Mode of Assessment

| Type      | Method                    | Description                     | Length         | Weighting |
|-----------|---------------------------|---------------------------------|----------------|-----------|
| Summative | Computer-based assessment | Image Evaluation Practical Exam | 1 hour 30 mins | 100%      |

## 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.*

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