

Module Details	
Module Title:	Musculoskeletal Disorders of the Lower Limb and Metabolic Bone Disease
Module Code:	PSI7012-C
Academic Year:	2019-20
Credit Rating:	30
School:	School of Nursing and Healthcare Leadership
Subject Area:	Practitioners with a Special Interest
FHEQ Level:	FHEQ Level 7 (Masters)
Pre-requisites:	
Co-requisites:	

Contact Hours	
Type	Hours
Lectures	6
Work based learning	180
Tutorials	4
Directed Study	110

Availability	
Occurrence	Location / Period
BDA	University of Bradford / Academic Year (Sept - May)
BDA	University of Bradford / Semester 2 (Feb - May)

Module Aims
To acquire knowledge in musculoskeletal disorders of the lower limb and metabolic bone disease enabling the student to develop skills to work confidently as a general practitioner with a special interest in musculoskeletal medicine.

Outline Syllabus
Knowledge of the functional anatomy of the lower limb.

History, examination and diagnosis of lower limb disorders. Use of other practitioners in treating lower limb disorders.

Overview of the drug treatment of lower limb disorders.

Performance of relevant injections

Overview of the pharmacological agents used in soft tissue musculoskeletal injections;

Knowledge of common radiological tests.

Assessment for and manufacture of suitable appliances and orthoses to treat lower limb biomechanical disorders.

Bone densitometry, drug treatment and non pharmacological interventions in osteoporosis.

History, examination, investigation and making a clinical diagnosis of Paget's disease, osteomalacia and osteoarthritis

Learning Outcomes

1	1a Synthesise the evidence for the epidemiology and pathophysiology of musculoskeletal problems involving the lower limb, metabolic bone disease and osteoarthritis. 1b Differentiate between musculoskeletal problems involving the lower limb, metabolic bone disease and osteoarthritis.
2	2a Evaluate and manage in a biopsychosocial way a patient presenting with a musculoskeletal condition of the lower limb, metabolic bone disease or osteoarthritis. 2b Be able to perform common evidence based injections of the lower limb. 2c Gain a critical appreciation of the related role of allied health professionals and secondary care doctors in management of musculoskeletal disorders of the lower limb, metabolic bone disease or osteoarthritis. 2d Practice evidence based medicine
3	3a Practise critical effective problem solving for clinical work. 3b Utilise effective team working skills. 3c Communicate effectively with the patient.

Learning, Teaching and Assessment Strategy

Face to face tuition is delivered by a mixture of advanced clinicians. Knowledge and practical skills required for working at a higher level in MSK are addressed by LO: 1a, b, 2a, b, c, d, 3b. Study days include a clinical presentation to tutors and peers of a case managed on placement, assessing LO: 1b, 2a, b, d, 3a, c. Students are awarded a % mark and receive written and verbal feedback. Work-based learning occurs via clinical placement under the supervision of a MSK mentor in the student's locality. It includes at least 14 sessions of relevant clinical experience and addresses LO: 1a, b, 2a, b, c, d, 3a, b.

Self-directed learning and guided study is identified through discussion with mentor and an individual learning program is constructed and addresses LO: 1a, b, 2a, b, c. Recommended reading accompanies the module and addresses LO: 1a, b, 2a, b, c. Assessment is in the form of: verification of competence and key skills as observed by mentor during placement which assesses LO: 1b, 2a, b, c, 3a, b and is supported by a learning diary of at least 15 cases where the student has been part of the management team, showing breadth of learning and experience, testing LO: 1b, 2a, b, c, 3a, b. Two reflective case studies look at the management of placement cases and assess LO: 1b, 2a, b, d, 3a, c. Presentation of a case study tests: LO: 1a, 2d, 3a, 3c.

Students submit their work electronically and receive a summative % mark and individualized written feedback. A short draft may be sent to tutors for formative assessment.

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Mode of Assessment				
Type	Method	Description	Length	Weighting
Summative	Presentation	Oral presentation of lower limb musculoskeletal clinical case. 30 mins inc 10 mins Q&A	0 hours	34%
Referral	Presentation	Oral presentation of lower limb musculoskeletal clinical case. 30 mins inc 10 mins Q&A	0 hours	34%
Summative	Coursework	Written reflective case assessment One lower limb musculoskeletal case - 1500 WORDS	0 hours	33%
Summative	Coursework	Written reflective case assessment One metabolic bone disease or osteoarthritis case. 1500 WORDS	0 hours	33%
Referral	Coursework	Written reflective case assessment One lower limb musculoskeletal case - 1500 WORDS	0 hours	33%
Referral	Coursework	Written reflective case assessment One metabolic bone disease or osteoarthritis case. 1500 WORDS	0 hours	33%
Referral	Clinical Assessment	Design new study plan of up to 8 clinical sessions to cover weak areas: mentor to sign	0 hours	%
Summative	Clinical Assessment	Verification of clinical competence and key technical skills together with completed learning diary - PASS/FAIL	0 hours	%

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.