

Musculoskeletal Disorders of the Lower Limb and Metabolic Bone Disease

Module Code:	PSI7012-C
Academic Year:	2018-19
Credit Rating:	30
School:	School of Nursing and Healthcare Leadership
Subject Area:	Practitioners with a Special Interest
FHEQ Level:	FHEQ Level 7 (Masters)
Module Leader:	Dr Andrew Jackson
Additional Tutors:	

Pre-requisites:

Co-requisites:

Contact Hours

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

Availability Periods

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 and effectively in a person-centred way as a 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.

Module Learning Outcomes

On successful completion of this module, students will be able to...

- 1
 - a. Synthesise the evidence for the epidemiology and pathophysiology of musculoskeletal problems involving the lower limb, metabolic bone disease and osteoarthritis.
 - b. Differentiate between musculoskeletal problems involving the lower limb, metabolic bone disease and osteoarthritis.
- 2
 - a. Evaluate and manage in a biopsychosocial way a patient presenting with a musculoskeletal condition of the lower limb, metabolic bone disease or osteoarthritis.
 - b. Be able to perform common evidence based injections of the lower limb.
 - c. 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.
 - d. Practice evidence based medicine.
- 3
 - a. Practice critical effective problem solving skills.
 - b. Demonstrate effective team working skills with colleagues and peers.
 - c. Communicate effectively.

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.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Referral	Presentation	A4: Repair deficiencies in original submission.	30 minutes	34%	No
Summative	Presentation	A4: Presentation of a case study, different to written case studies. (20 mins plus 10 mins questions)	30 minutes	34%	Yes
Referral	Coursework	A3: Repair deficiencies in original submission.	-1500 words	33%	No
Referral	Coursework	A2: Repair deficiencies in original submission.	-1500 words	33%	No
Summative	Coursework	A3: Written reflective case assessment of a metabolic bone disease or osteoarthritis case.	-1500 words	33%	No
Summative	Coursework	A2: Written reflective case assessment of a lower limb musculoskeletal case	-1500 words	33%	No
Summative	Clinical Assessment	A1: Verification of clinical competence and key technical skills together	Approximately 14 sessions	%	No

		with completed learning diary - PASS/FAIL			
Referral	Clinical Assessment	Supplementary A1: Verification of clinical competence & key skills together with completed learning diary. New plan covering areas of concern will be set up and signed off by the mentor	Up to 8 sessions	%	No

Legacy Code (if applicable)

HH-8024T

Reading List

To view Reading List, please go to [rebus:list](#).