

Skin, Sensation and Movement

Module Code:	CLS5003-B
Academic Year:	2018-19
Credit Rating:	20
School:	School of Pharmacy and Medical Sciences
Subject Area:	Clinical Sciences
FHEQ Level:	FHEQ Level 5
Module Leader:	Dr Keren Bielby-Clarke

Additional Tutors:

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	31
Laboratory	13
Directed Study	150
Examinations DO NOT USE	6

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 1 (Sep - Jan)

Module Aims

To develop an appreciation of the anatomy, physiology and functioning of the central nervous system (CNS) and to provide an introduction to the pathophysiology of CNS disorders and their treatment. To provide an introduction to the normal structure and function of the musculoskeletal/locomotor system and to consider the effects and management of some common pathologies and injuries. To develop an understanding of

the structure and function of skin and the implication of damage in wounds, burns and skin cancer.

Outline Syllabus

Development and anatomical organisation of the CNS; meninges, blood supply, telencephalon, diencephalon, midbrain, hindbrain, spinal cord. CNS physiology: Somatosensory System, Nociception and Pain, Local and General Anaesthetics, Auditory System, Visual System, Olfactory and Gustatory Systems, Emotions and the Amygdala. Development, structure, function and control of musculoskeletal system. Examples of pathologies affecting the musculoskeletal system. Neuromuscular drugs. Development, structure and function of the integumentary system; homeostasis and skin damage including wound healing, burns and cancer. Common skin disorders and ageing.

Module Learning Outcomes

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

- 1 Describe the major features of the central nervous system, musculoskeletal and integumentary systems, including some elements of their development, as well as their structure, function, control, pharmacology and important diseases.
- 2 Research, evaluate and describe clinical aspects of physiological control systems associated with the CNS, skin and musculoskeletal system.
- 3 Work with a team to a clearly defined goal, negotiate deadlines and tasks.
- 4 Use effective written and verbal communication skills

Learning, Teaching and Assessment Strategy

Information outlining the knowledge and understanding required of this module will be delivered in simulation-based lectures and practical workshops. Self-directed learning to support each topic will take place in your directed study. This will develop your cognitive skills and reinforce the taught component which will be highlighted in lectures and reviewed in clinical workshops. Formative online assessments will be routinely used to monitor your progress. Your knowledge base of the material will be assessed by a closed book examination comprising MCQ/EMQ questions and short answer questions.

You will work in groups to research information, consider disease states to produce an evaluative poster which will be summatively assessed; this will comprise a group mark for the poster weighted according to your self/peer assessment and an individual mark based on a question/answer session on the poster. The group exercise will require you to work under pressure, meet deadlines and develop communication and presentation skills.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Presentation	Group poster presentation - End Semester 1 (week 13)	4 hours	20%	No
Summative	Examination - MCQ	Summative: One 2hr written examination (MCQ/EMQ + short answers) Semester 1 exam period	2 hours	80%	Yes

Legacy Code (if applicable)

CS-5002D

Reading List

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