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MODULE DESCRIPTOR

Module Title

Neurology In Practice

Reference	HS2138	Version	1
Created	March 2018	SCQF Level	SCQF 8
Approved	July 2018	SCQF Points	30
Amended		ECTS Points	15

Aims of Module

The aim of this module is to enable the student to apply knowledge, therapeutic skills and appropriate attitudes and behaviours towards the promotion of health in relation to neurological conditions.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Relate pathological conditions to potential clinical features.
- 2 Analyse the inter-relationship between factors influencing health in relation to pathology.
- 3 Select, plan and apply appropriate physiotherapeutic assessment and treatment approaches and techniques in the management of clients with deficits in function.
- 4 Demonstrate appropriate professional and person-centred attitudes towards the promotion of health in neurological conditions and identify key areas of potential team-working and collaboration.

Indicative Module Content

Neurology: Development of the neurological system, postural control mechanisms, biomechanics of normal movement, development of systems of normal function including sensation, proprioception, and muscle tone. Theories of motor control and skill acquisition, feedback, neuroplasticity, systematic analysis of human movement. Pathology: Investigation of pathologies through case studies in development delay, neurovascular conditions, neurodegenerative conditions, brain injury and peripheral nervous system pathologies, analysis of common signs and symptoms associated with these pathologies. Assessment skills: Assessment of the neurological system, seating and splinting for postural control, therapeutic handling, comprehensive functional assessment. Informed consent in neurological conditions. Communication approaches, applied psychosocial considerations and the patient & carer experience in relation to neurological conditions. Management skills: Treatment of the trunk, upper limbs, lower limbs, balance, transfers and gait. Neurological treatment approaches. Applied exercise prescription in neurological conditions. Medical management and multi-disciplinary team working in neurological conditions. Applied care and compassion. Acute neuro-respiratory issues and treatment including ACBT and manual techniques.

Module Delivery

This module is delivered via key note lectures, supported by active workshops, tutorials, supported by practical sessions

Indicative Student Workload

	Full Time	Part Time
Contact Hours	80	N/A
Non-Contact Hours	220	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	300	N/A
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Practical Exam	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4
Description:	Practical OSPE				

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

Component 1 ? to be assessed by a justified OSPE.

Module Grade Minimum Requirements to achieve Module Grade:

A	A
B	B
C	C
D	D
E	E
F	To achieve this grade you will have failed to achieve the minimum requirements for an E. And/OR Fails to meet module attendance requirements
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	Successful completion of all Stage One Modules within the Masters of Physiotherapy or equivalent.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- 1 RAINE, S., MEADOWS, L., AND LINCH-ELLERINGTON, M. Eds. 2009. Bobath Concept: theory and clinical practice in neurological rehabilitation. Oxford: Wiley-Blackwell.
- 2 CARR, J.H., AND SHEPHERD, R.B. 2010. Stroke rehabilitation: guidelines for exercise and training to optimize motor skill. 2nd Ed. London: Churchill Livingstone.
- 3 CROSSMAN, A., AND NEARY, D. 2019. Neuroanatomy and illustrated colour text. 6th Ed. London: Churchill Livingstone.
- 4 LENNON, S., RAMDHARRY, G., VERHEYDEN, G. 2018. Physical Management for Neurological Conditions. 4th Ed. London: Elsevier.
- 5 SHUMWAY-COOK, A. and WOOLACOTT, M., 2022. Motor Control: translating research into clinical practice. International Edition. Philadelphia: Wolters Kluwer.
- 6 McBEAN, D and WICK, F . 2012. Applied Neurosciences for the Allied Health Professional. 1st Ed. London: Churchill Livingstone.