



Module Specification

Clinical Reasoning in Neurological Physiotherapy

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Part 1: Information

Module title: Clinical Reasoning in Neurological Physiotherapy

Module code: UZYKH9-15-2

Level: Level 5

For implementation from: 2023-24

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Health & Applied Sciences

Department: HAS School of Health and Social Wellbeing

Partner institutions: None

Field: Allied Health Professions

Module type: Module

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: This is a 15-credit module that explores clinical reasoning, assessment and current evidence-based management of 5 key areas of neurological physiotherapy for central nervous system disorders. Assessment is in the form of a 35-minute practical exam where assessment and treatment skills will be demonstrated and discussed.

Features: Not applicable

Educational aims: This module aims to develop physiotherapy assessment and holistic management /rehabilitation skills for people with central nervous system disorders.

Outline syllabus: The focus will be to develop knowledge of the conditions, assessment procedures, clinical reasoning, critical questioning and therapeutic skills in neurological physiotherapy practice.

This will include developing the knowledge of anatomy, physiology, pathology, clinical presentation relevant to conditions resulting from damage to the central nervous system.

The module will enable students to develop clinical skills and reasoning in the assessment and holistic management of common central nervous system disorders in children, young people and adults. This will include developing knowledge, understanding and application of appropriate standardised outcome measures used in the field of neurological physiotherapy.

Students will critically discuss and evaluate physiotherapy management options referring to available evidence and national /international guidelines and develop practical / therapeutic skills to treat people with central nervous disorders.

Part 3: Teaching and learning methods

Teaching and learning methods: A variety of teaching and learning methods will be used including:

A wide selection of teaching and learning approaches will be used such as lectures, seminars, practical sessions, patient demonstration sessions, service-user involvement and e-learning.

Lectures provide an introduction and summary of the topic area.

Seminars/group work include discussion and use of information provided to support learning use of workbooks, material gained from self-directed study, case studies, video analysis.

Practical sessions focus on physiotherapy techniques with clinical reasoning and problem solving skills being developed, utilising; practical skills training, role play, videos and case studies.

Additionally, students are expected to engage in self-study/ independent learning using the resources available within a virtual learning environment. A major part of their study time is taken up by preparation for teaching sessions and assessment

Module Learning outcomes: On successful completion of this module students will achieve the following learning outcomes.

MO1 Demonstrate a reasoned knowledge and understanding of the relevant anatomy, physiology, pathology and clinical presentation related to conditions affecting the central nervous system

MO2 Develop, perform, demonstrate and evaluate appropriate physiotherapy assessment (including outcome measures) for children, young people and adults with central nervous system disorders

MO3 Critically analyse, develop, demonstrate and evaluate evidence based holistic physiotherapy rehabilitation approaches for children, young people and adults with central nervous system disorders

MO4 Apply, develop and demonstrate clinical reasoning skills in relation to physiotherapeutic management of children, young people and adults with neurological conditions as a result of damage to the central nervous system

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 110 hours

Face-to-face learning = 40 hours

Total = 150

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.ac.uk/readinglists) via the following link

<https://uwe.rl.talis.com/search.html?q=UZYKH9-15-2>

Part 4: Assessment

Assessment strategy: This module has one assessment task; an Objective Structured Clinical Examination (OSCE) (up to 35 minutes)

Students will be assessed on theoretical knowledge and practical skills, which are core for neurological practice. Real life patient videos are used thereby providing excellent links to clinical practice. Similarly, real case scenarios are used which allows students to plan and demonstrate practical and clinical reasoning skills. The theoretical aspects will be tested by questioning and assessing clinical reasoning skills and evidence based practice including therapeutic skills during the Objective Structured Clinical Examination (OSCE) practical exam duration up to 35 minutes.

Formative Assessment

A formative assessment opportunity is available via peer-assisted/reviewed formative assessment and students are given feedback on their performance.

Assessment tasks:

Practical Skills Assessment (First Sit)

Description: Objective Structured Clinical Examination (OSCE) – up to 35 minutes

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Practical Skills Assessment (Resit)

Description: Objective Structured Clinical Examination (OSCE) – up to 35 minutes

Weighting: 100 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Physiotherapy [Glenside] BSc (Hons) 2022-23