Module Specification

Clinical Reasoning for Cardiorespiratory Physiotherapy

Version: 2023-24, v2.0, 10 Jul 2023

Contents

Part 1: Information

Module title: Clinical Reasoning for Cardiorespiratory Physiotherapy

Module code: UZYKH7-15-2

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 module will build upon fundamental principles taught at level 4 within Foundations of Respiratory Physiotherapy Practice and Fundamentals of Anatomy and Physiology modules.

Features: Not applicable

Educational aims: Cardiovascular anatomy and physiology will be revisited in an applied way, considering normal structure and function of the heart and the

pathophysiological process that occur in cardiovascular disease. Exercise physiology will be outlined with consideration for exercise responses in health as well as in cardiorespiratory disease. Principles of exercise testing and prescription for increasing cardiorespiratory fitness will be explored. Emphasis is placed on physiotherapy assessment and treatment skills for a range of cardiorespiratory conditions in the acute and community setting. This module will develop clinical reasoning in cardiorespiratory care, including acute and long term care, rehabilitation and end of life care.

Outline syllabus: Syllabus outline will typically cover:

Applied cardiovascular anatomy and physiology

Exercise physiology in health and cardiorespiratory disease

Physiotherapy examination and assessment Skills

Physiotherapy interventions, including cardiac, pulmonary and amputee rehabilitation, treatment and rehabilitation skills

Clinical reasoning for people with cardiorespiratory problems

Part 3: Teaching and learning methods

Teaching and learning methods: Scheduled learning includes lectures, seminars, tutorials, demonstration, practical classes and workshops. Lectures provide an introduction and summary of the topic area. Seminars include problem solving, case studies and discussions, and use resource books to support learning. Practicals involve skills teaching and practice, simulations and equipment workshops.

Additionally, students are expected to engage in self-study using the resources provided and blackboard. Independent learning includes hours engaged with essential reading, case study preparation, and exam preparation.

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

MO1 Explain the anatomy and physiology of the cardiovascular system and relate to the pathological changes of cardiovascular disease to the expected clinical features.

MO2 Demonstrate awareness of the monitoring, intervention methods, and equipment commonly used to support patients with acute and chronic cardiorespiratory illness.

MO3 Discuss and apply a range of assessment and management options for patients with acute and chronic cardiorespiratory disease, including rationale for selection.

MO4 Demonstrate an understanding of exercise physiology and its application to prescribing exercise to improve cardiorespiratory fitness.

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 108 hours

Face-to-face learning = 42 hours

Total = 150

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link https://uwe.rl.talis.com/index.html

Part 4: Assessment

Assessment strategy: Summative Assessment: The assessment for this module is a two-hour unseen exam.

Rationale

A written examination will enable comprehensive testing of physiology, clinical reasoning and its application to a range of clinical presentations. It will also test

student's ability to undertake a complex cardiorespiratory assessment, recognise and analyse the findings, make decisions, select appropriate techniques and justify and evaluate their intervention.

Formative Assessment

Throughout the module, a number of formative assessment opportunities will be included, providing you with indication and feedback on your performance ahead of the summative module assessment. These may take the style of quizzes, practice exam question sessions, and peer feedback to prepare you for the module assessment.

Assessment tasks:

Examination (First Sit)
Description: Unseen written exam (2 hours)
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3, MO4

Examination (Resit)
Description: Unseen written exam (2 hours)
Weighting: 100 %
Final assessment: Yes
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