

Cardiovascular Respiratory Practice

Module Code:	PAR5012-B
Academic Year:	2018-19
Credit Rating:	20
School:	School of Allied Health Professions and Midwifery
Subject Area:	Physiotherapy and Rehabilitation, Sport Rehabilitation
FHEQ Level:	FHEQ Level 5
Module Leader:	Mrs Jennifer Bromley

Additional Tutors:
Caroline O'Brien

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	30
Practical classes and	10
Tutorials	10
Laboratory	2
Directed Study	148

Availability Periods

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

Module Aims

To enable the student to assess and manage people with cardiovascular and respiratory conditions using a person centred problem solving approach. To appreciate the wide variety of healthcare settings a diverse client base may require. To develop evidence based physiotherapy skills across acute care to self-care settings including health promotion, rehabilitation, acute and long term condition management. Students to acquire the relevant

knowledge to develop these skills and in doing so prepare them for placements undertaken as part of the work based learning modules

Outline Syllabus

Epidemiology and aetiology of cardiovascular and respiratory conditions.

Pathophysiological changes in the cardiovascular and respiratory systems in relation to clinical manifestations and developmental/ physiological changes throughout the age range. Assessment and examination of the individual with simple and complex cardiovascular and respiratory illness in a variety of settings.

Physiotherapeutic management of cardiovascular and respiratory illness from acute through chronic to end stage disease & end of life management based upon a problem-solving approach.

The application of evidence-based practice of physiotherapy within the context of wider management plans including ceilings of treatment.

Psychological and social effects of simple and complex cardiovascular and respiratory disease.

Moral and ethical issues associated with the management of people with cardiovascular and respiratory conditions, including application of the NHS constitution & escalating concerns.

Health promotion including: exercise prescription, smoking cessation & basic nutritional advice

Basic awareness of pharmacological treatments.

Patient Safety

Documentation

Professional standards

Role of the MDT

Module Learning Outcomes

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

- 1
 - 1.1 Relate clinical presentations to underlying pathophysiology, recognising adherence and formulating ideas regarding deviation from the expected clinical picture
 - 1.2 Demonstrate an understanding of the physiotherapist's role working within a multi-professional team to manage of people with cardiovascular and respiratory conditions
 - 1.3 Demonstrate an understanding of the physiotherapist's role in promoting health & wellbeing in people with cardiovascular & respiratory conditions
 - 1.4 Demonstrate understanding of the underlying pathophysiology and physiotherapy management of CVR conditions
- 2
 - 2.1 Analyse & interpret the multisystem & psychosocial assessment findings of patients with cardiovascular or respiratory illness to formulate patient centred problem lists
 - 2.2 Discuss key pathologies and associated problems and how these interplay with one another to enable identification and explanation of best treatment options
 - 2.3 Devise a research informed & person centred physiotherapy management plan
- 3
 - 3.1 Utilise advanced problem -solving skills
 - 3.2 Apply written communication skills
 - 3.3 Access & retrieve information from case notes to inform reasoning and management
 - 3.4 Apply the principles of the NHS constitution in caseload management

Learning, Teaching and Assessment Strategy

Pathophysiology, treatment & management options will be covered by a research informed blended learning approach including use of technology enhanced learning; traditional & online lectures, seminars, tutorials, practical sessions, and directed study LO 1.1,1.2.,1.3, 2.3 Moral, ethical & psychosocial factors will be integrated throughout. The focus of the teaching will be to engage the students in a problem solving approach to interpreting multi-system & psychosocial assessment. This will be achieved by undertaking scenario-based problem-solving using simulation and role play, service user involvement & videos LO1.1, 2.1, 2.2, 3.1. Learning activities will be designed to foster a collaborative & active learning approach.

Formative assessment and feedback will be available at individual/group tutorial sessions and electronic communication to facilitate reflection, preparation for summative assessment and self-assessment Assessment mode 1 will be required to undertake their final written exam to bring together all the learning to demonstrate that all elements of the learning outcomes have been achieved and will assess LO's 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3. Assessment mode 2 will assess LO 1.4 and will involve continuous web based assessment to encourage engagement & learning throughout.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Summative	Examination - MCQ	Continuous on-line assessment		20%	Yes
Summative	Examination - closed book	Case-based scenario exam	3 hours	80%	No

Legacy Code (if applicable)

Reading List

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