

Hypertension, arrhythmias and conduction disorders

Module Code:	PSI7003-C
Academic Year:	2018-19
Credit Rating:	30
School:	The Ridge Medical Practice
Subject Area:	Practitioners with a Special Interest
FHEQ Level:	FHEQ Level 7 (Masters)
Module Leader:	Dr Kathryn Griffith
Additional Tutors:	

Pre-requisites:

Co-requisites:

Contact Hours

Type	Hours
Lectures	6
Tutorials	4
Directed Study	110
Other (DO NOT USE)	180

Availability Periods

Occurrence	Location/Period
BDA	University of Bradford / Semester 1 (Sep - Jan)
BDB	University of Bradford / Semester 2 (Feb - May)
BDA	University of Bradford / Semester 2 (Feb - May)
BDB	University of Bradford / Semester 3 (June - Oct)
BDA	University of Bradford / Semester 3 (June - Oct)

Module Aims

To acquire knowledge in hypertension, arrhythmias and conduction disorders, enabling the student to develop skills to work confidently as a Primary Care Practitioner with a Special Interest in cardiology.

Outline Syllabus

Prevalence and incidence of hypertension. Hypertension in relation to Coronary Heart Disease risk - risk assessment. Diagnosis in practice. Appropriate use of investigations - ECGs, 24hr BP. Treatment options. National guidelines - National Service Framework, British Hypertension Society, Guidelines, SIGN Guidelines. Normal heart conduction including the range of normal ECGs. Brady/Tachyarrhythmias. Underlying causes of arrhythmias. Non-pharmacological treatments. Drug/electrophysiology based treatments. Knowledge of further specialist investigations and/or when to refer appropriately.

Module Learning Outcomes

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

- 1 Synthesise the evidence for the epidemiology and pathophysiology of hypertension. Differentiate the varied presentations and pathophysiology of cardiac arrhythmias.
- 2 Examine, undertake risk assessment, investigate and manage (pharmacological & non-pharmacological i.e. diet/exercise/lifestyle) patients presenting with hypertension. Interpret 24 hr ambulatory blood pressure readings with appreciation of strengths/limitations of this investigation. Interpret a variety of ECGs/24 hr ECGs with appreciation of indications, normal variations & limitations of investigations. Investigate, diagnose, manage (pharmacological & non-pharmacological) patients with cardiac arrhythmias & conduction disorders. Refer patients for 2nd opinion, practice evidence-based medicine
- 3 Practise critical effective problem solving skills.
Demonstrate effective team working skills with colleagues and peers.
Communicate effectively.

Learning, Teaching and Assessment Strategy

Lectures & seminars. Clinical Work Based Learning. Guided self-directed study: on placement you will develop & undertake a programme of activities with your mentor to fulfil the modular learning outcomes; using a learning diary you will record your placement cases, to reveal your learning progress & learning needs; through guided reading, which underpins your knowledge base for the course, (in the form of lists & website refs) you will obtain essential background information to the module studied & inform your practice & the preparation of your assessments; through scheduled meetings with your mentor discuss your learning needs & possible solutions eg. through further reading; alteration of elements of your programme etc.

Peer learning.

Other Study Hours (180) refers to 70 hrs clinical sessions with mentor & 110 hrs general practice (cardiology).

Supplementary Assessment for Assessment 1: 8 further clinical sessions plus new study plan.

Mode of Assessment

Type	Method	Description	Length	Weighting	Final Assess'
Referral	Presentation	Prepared critical appraisal of paper & presentation. (20 minutes presentation including 5 minute Q&A session).	0 hours	34%	No
Summative	Presentation	Prepared critical appraisal of paper & presentation. (20 minutes presentation including 5 minute Q&A session).	0 hours	34%	Yes
Summative	Coursework	A reflective assessment of case with hypertension. (1500 words).	0 hours	33%	Yes
Summative	Coursework	Reflective assessment of case with arrhythmias. (1500 words)	0 hours	33%	Yes
Referral	Coursework	Reflective assessment of case with arrhythmias. (1500 words)	0 hours	33%	No
Referral	Coursework	A reflective assessment of case with hypertension. (1500 words).	0 hours	33%	No
Referral	Clinical Assessment	Complete a further 8 clinical sessions. A new study plan	0 hours	%	No

		covering areas of concern			
Summative	Clinical Assessment	Verification of clinical competence (& key skills) together with completed learning diary.	0 hours	%	Yes

Legacy Code (if applicable)

HH-8002T

Reading List

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