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MODULE DESCRIPTOR

Module Title

Clinical Pharmacology And Therapeutics 1

Reference	PH3130	Version	3
Created	September 2018	SCQF Level	SCQF 9
Approved	March 2013	SCQF Points	45
Amended	September 2018	ECTS Points	22.5

Aims of Module

To develop knowledge and understanding of the scientific principles and concepts of pharmacology, pharmacokinetics and evidence-based therapeutics and integration of these into therapeutic plans for individual patients.

Learning Outcomes for Module

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

- 1 Demonstrate a critical understanding of the fundamentals of pharmacology, pharmacokinetics and evidence-based therapeutics.
- 2 Synthesise and justify suitable evidence-based therapeutic strategies.
- 3 Retrieve, evaluate, manipulate, interpret and present experimental/clinical data and information.
- 4 Utilise scientific principles to develop and defend therapeutic plans.

Indicative Module Content

Promoting the importance of evidence-based therapeutics, with an introduction to the skills needed to develop therapeutic plans for individual patients. Topics include: Pharmacology; mechanism of drug action; principles of pharmacodynamics and pharmacokinetics. Evidence-based therapeutics of nervous, endocrine, cardiovascular and urinary systems. Evidence-based therapeutics including: setting goals of therapy, drug selection, adverse drug reactions, side effects, new therapies, monitoring and non-pharmacological management of common diseases in the above systems.

Module Delivery

Lectures, coursework sessions (including individual and group problem solving exercises and tutorial sessions) and directed study (including computer packages, directed reading, and self-assessment exercises).

Indicative Student Workload	Full Time	Part Time
Contact Hours	110	N/A
Non-Contact Hours	340	N/A
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	450	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: Examination Weighting: 50% Outcomes Assessed: 1, 2
 Description: 1.5 hour written examination consisting of multiple-choice questions.

Component 2

Type: Examination Weighting: 50% Outcomes Assessed: 3, 4
 Description: 2 hour written examination consisting of MCQ and short answer style questions on evidence-based therapeutics and case study material.

MODULE PERFORMANCE DESCRIPTOR

Explanatory Text

To pass this module, the student MUST achieve a module Grade of Grade D or better and a minimum mark of 40% in C1 and C2.

Module Grade	Minimum Requirements to achieve Module Grade:
A	When 50% of the mark for C1 added to 50% of the mark for C2 is 70% or more.
B	When 50% of the mark for C1 added to 50% of the mark for C2 is 60-69%.
C	When 50% of the mark for C1 added to 50% of the mark for C2 is 50-59%.
D	When 50% of the mark for C1 added to 50% of the mark for C2 is 40-49%.
E	When 50% of the mark for C1 added to 50% of the mark for C2 is 35% or more but less than 40% in C1 and/or C2.
F	When 50% of the mark for C1 added to 50% of the mark for C2 is 35% or less.
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	Successful completion of Stage 1 or its equivalent.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- 1 GOLDACRE, B. Bad Science. 1st edition 2008. London: HarperCollins
- 2 NEAL, M.J. Medical Pharmacology at a Glance. 9th edition. Oxford: Wiley-Blackwell recommended purchase
- 3 H. P. Rang, J. M. Ritter, R. J. Flower, and G. Henderson. Rang and Dale's Pharmacology. Current edition (8th Edition published Jan 2015.)Churchill Livingstone. recommended purchase
- 4 WALKER, R. and EDWARDS, C. Clinical Pharmacy and Therapeutics. 3rd edition. Edinburgh: Churchill Livingstone.
- 5 Teaching Resource Centre (TRC) Pharmacology- a free App developed by the University of Leiden (NL) for smartphones and tablets available from iTunes and Google Play.