



COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course:	Postgraduate program of endocrinology, diabetes, clinical nutrition and metabolism (EDCNM600)
(2) Department offering the programme:	Internal medicine (endocrinology and diabetes unit)
(3) Department responsible for teaching the course:	Internal medicine department (endocrinology and diabetes unit)
(4) Part of the programme:	Elective course , Second part (6 th semester)
(5) Date of approval by the Department's council	12/7 / 2016
(6) Date of last approval of programme specification by Faculty council	9/8 /2016
(7) Course title:	Evidence based medicine
(8) Course code:	EDCNM610ebm
(9) Credit hours	2 hours
(10) Total teaching hours:	30 hours

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

Train candidates to practice the skills involved in evidence-based medicine including clinical question formation and acquisition of medical evidence from the literature. Review and develop critical appraisal skills and application of available evidence to patient care and medical education.

(2) Intended Learning Outcomes (ILOs):

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

- A1. List the definition of evidence based medicine.
- A2. Explain what evidence based medicine really mean.
- A3. List the steps of evidence based practice.
- A4. Describe how to formulate a clinical question .
- A5. Outline the levels of evidence and the grades of recommendation.
- A6. Outline the information resources for searching for evidence.
- A7. Describe the different types of study designs .
- A8. Recall descriptive and inferential statistics.
- A9. Recall the historical background of evidence based medicine
- A10. Recall the glossary of terms used in evidence based medicine

B- Intellectual skills:

- B1. Formulate a clinical question using PICO format.
- B2. appraise an article on therapy regarding validity .
- B3. interpret the results of a therapy trials regarding the risk reduction and number needed to treat.
- B4. differentiate between the levels of evidence and choose the most appropriate type of study to answer the clinical question.
- B5. analyse the results of a diagnosis article and critically appraise it.
- B6. critically appraise a meta-analysis paper.
- B7. Evaluate the results of studies regarding its applicability on their patients.
- B8. Evaluate the practice guidelines and decide if it is applicable to the type of patients they encounter.
- B9. Interpret statistical methods and significance measures.

(3) Course content:

The course fulfils 1 credit hour through fourth semester including the following topics.

Subjects	Lectures	Seminars	Practical	Total teaching hours	Credit Hours
Introduction to evidence based medicine: history, definitions & steps of EBM.	3				2 credit hours
Formulation of clinical questions: PICO	3				
Searching for evidence and EBM resources	3				
Levels of evidence and types of studies	3				
Critical appraisal of a therapy paper	3	2			
Critical appraisal of a diagnosis paper	3	2			
Critical appraisal of meta-analysis paper	2	2			
Applying the evidence , assessment and conclusions	2				
Evidence based guidelines	2				
				30 hours	

(4) Teaching methods:

- 4.1: Lectures with power point presentations and discussions.
- 4.3: Problem solving case scenarios .
- 4.4: Seminars and presentation of solved case scenarios by the postgraduate students.
- 4.5. Workshops for searching skills and critical appraisal skills.

(5) Assessment methods:

Assessment schedule.

I. Continous assessment after completion of the course:

An MCQ exam is done each semester at the end of the course (20% of the final written exam)

II. Final exam :

Assessment 1: Written exam (short essay questions and case scenarios) (20 marks)

Assessment 2: an oral exam (25marks)

Assessment 3: MCQ 5 marks

Other assessment without marks:

Log book for assessment of the attendance and activities throughout the course.

(6) References of the course:

Lecture notes

Internet based resources (, websites e.g. Pubmed, MDconsult , emedicine , tripdatabase

...

(7) Facilities and resources mandatory for course completion:

Candidates and their learning are supported in a number of ways:

Presence of data show and computer facilities

Course coordinator: Professor Omayma Saleh

Head of endocrinology unit: Prof Nagy Shaaban –

Head of the internal medicine department. Professor Salah Elgamal

Date: / 2016