



COURSE SPECIFICATION

Neuro-psychiatry

Endocrinology, Diabetes, clinical nutrition and

Metabolism doctorate program

Faculty of Medicine- Mansoura University

(A) Administrative information

Programme offering the course:	Postgraduate program of endocrinology, diabetes, clinical nutrition and metabolism (EDCNM600)
Department offering the programme:	Internal medicine (endocrinology and diabetes unit)
Department responsible for teaching the course:	1. Internal medicine department (endocrinology and diabetes unit) 2. Neurology department 3. Psychiatry department
Part of the programme:	Elective course , Second part (6th semester)
Date of approval by the Department`s council	12/7 / 2016
Date of last approval of program specification by Faculty council	9/8 /2016
Course title:	Neuro-psychiatry
Course code:	EDCNM610NP
Credit hours	2 hours
Total teaching hours:	30 hours



(B) Professional information

(1) Course Aims: The broad aims of the course are as follows:

1. Educate the candidate the competency of basic knowledge of the principles of neuropsychiatric medicine.
2. Educate the candidate the Integration and updating his knowledge of information of endocrine and metabolic disorders with related neuropsychiatric disorders.
3. Educate the candidate the Continuous self development and transfer of knowledge and skills to others

(2) Intended Learning Outcomes (ILOs): On successful completion of the course, the candidate will be able to:

A- Knowledge & Understanding

- A1: Recognize an update knowledge of aetiology, diagnosis and management of common neurological diseases including : Coma, cerebrovascular diseases, peripheral neuropathy and myopathy.
- A2: Recognize the aetiology and the diagnosis of tremors, headache and sleep disorders.
- A3: Identify basics principles of psychiatric disorders including: dementia, depression , anxiety and somatoform disorders.
- A4: Demonstrate sufficient knowledge regarding neuropsychiatric aspects of endocrinal diseases.
- A5: Recognize methods and medical indications of psychotherapy.
- A6: Describe ethical and medicolegal principles relevant to neuropsychiatric disorders.
- A7: Explain the impact of neuropsychiatry practice on the environment.

B- Intellectual skills

- B1: Demonstrate problem solving approaches in clinical situations related to neuropsychiatry .
- B2: Apply appropriate basic and clinical knowledge to neuropsychiatry related problems.
- B3: Analyse efficiently case scenarios and interpret basic clinical tests and refer to the most appropriate diagnosis in the field of neuropsychiatry.
- B4: Evaluate risks involved in neuropsychiatry practice.



(3) Course content:

Subjects	Lectures
First topic : Neurology	
(1) The neurologic examination	2
(2) Coma and confusional states:	2
<ul style="list-style-type: none"> • Differential diagnosis of coma • Metabolic encephalopathy : Pathophysiology, diagnosis and management 	
(3)Cerebrovascular disease:	2
Diagnosis and management of transient ischemic attacks and stroke.	1
(4) Acute symptomatic seizures: Aetiology and management.	2
(5)Neuropathies	2
<ul style="list-style-type: none"> • Causes diagnostic evaluation of peripheral neuropathy. • Cranial and entrapment neuropathies 	2
(6)Myopathy and neuromuscular disorders	1
<ul style="list-style-type: none"> • Differential diagnosis and evaluation of muscle weakness. 	1
(7)Infections of nervous system: Aetiology , diagnosis and management of meningitis and encephalitis.	2
(8) Tremors: Differential diagnosis and management.	2
(9) Headache: Differential diagnosis and management.	2
(10) Sleep disorders: Diagnosis and management of :	2
Obstructive sleep apnea, obesity hypoventilation syndrome, and insomnia.	
(11)Neurologic aspects of endocrinal diseases	2
Neurologic manifestations of : diabetes mellitus, pituitary tumours, thyroid dysfunction, electrolyte imbalance and pregnancy.	
Second topic: Psychiatry	
(1) Cognitive impairment and dementia	2
<ul style="list-style-type: none"> • Mild cognitive syndrome: Aetiology and diagnosis. • Dementia syndromes: Aetiology ,clinical picture and diagnosis. 	
(2) Depression	1
<ul style="list-style-type: none"> • Clinical features of minor ,major and secondary depression. 	
(3) Anxiety and stress related disorders :	2
<ul style="list-style-type: none"> • Generalized anxiety disorder • Phobic anxiety and panic disorder. 	
(4) Somatoform disorders: Clinical presentation and diagnosis of Somatic symptom disorder, hypochondriasis and factitious disorders.	2
(5) Psychiatric aspects of metabolic and endocrine diseases	
Psychiatric manifestations of : Diabetes mellitus , and pituitary, adrenal,	



parathyroid, and thyroid disorders., pregnancy.,and eating disorders. (6) Evidence based psychotherapy <ul style="list-style-type: none"> • Cognitive and behavioral therapy. • Interpersonal psychotherapy and motivational interviewing • Indications for psychotherapy. 	2
Total Teaching hours	30

(4) Teaching methods:

(1) Lectures (2) Seminars

(5) Assessment methods:

I. Continuous assessment after completion of the course:

MCQ exam at the end of the course (5 marks)

II. Final exam :

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

Assessment 2: an oral exam (25marks)

Other assessment without marks:

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

(6) References of the course:

- 1- Lecture notes (paper and/ or electronic).
- 2- Text books
 Williams textbook of endocrinology,
 Neurology for the Non Neurologist,



Textbook of Psychosomatic Medicine,
Harrison text book of Medicine.

3- Periodicals and Web Site

American Journal of psychiatry medicine,
New England journal of medicine
British Journal of psychiatry,
Journal of clinical psychiatry,
Neurology ,
Diabetes care,
journal of clinical endocrinology and metabolism,
[http/www. biomedcentral. Com.](http://www.biomedcentral.Com),
www.Medscape.com ,
www.uptodate.com.

(7) Facilities & resources mandatory for course completion:

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

- Induction course introducing study skills.
- Candidates logbook .
- Program Specification & Handbooks .
- Extensive library & other learning resources.
- Computer laboratories with a wide range of software.
- Intranet with a wide range of learning support material.
- MD Dissertation Supervisor.

Course Coordinator:

Prof/ Hala Abdelhafez. Professor of internal medicine. Diabetes and Endocrinology Unit

Prof. Nagy Shaaban , Head of endocrinology, diabetes, and metabolism unit

Head of the Internal Medicine Department:

Prof . Salah El-Gamal.

Date: