Al- Azhar University
Faculty of Medicine
Department of Neurology

جامعة الازهر
كلية الطب (بنين)
قسم الأمراض العصبية

Undergraduate Neurology course specifications 2016/2017

Program (Course) specifications:

Program on which the course is given: Science in Neurology.

Major or min of' element of programs: Major.

Department offering the program: Neurology department.

Department offering the course: Neurology department.

Date of specification approval: 2013

A- Basic information

Title: neurology course **Code:**

Credit hours: 42 hours **Lecture:** 1 h/day **Total:** 14

Clinical: 2 h/day **Total:** 28

Coordinator: (neurology) **Prof. Nabil Hussein Ibrahim**

B- Professional information

Course aims:

The aims of this course are to enable the candidate to:

1- Acquire an appropriate knowledge about the wide array of neurological disorders.
2- Perform an efficient neurological history taking and examination.
3- Carry out the diagnosis and plan the treatment of the commonly encountered neurological diseases and emergencies.
4- Acquire the appropriate professional attitudes, communication and problem solving skills.
5- Use the medical literature to improve the clinical practice and develop independent and life-long learning.

Intended Learning Outcomes (ILOs) from the Course:

By the end of the course, the candidate will be able to:

1- Discuss the common neurological disorders regarding the etiology, clinical picture, diagnosis, prevention and treatment.
2- State the clinical manifestations and differential diagnosis of the common neurological disorders
3- Describe the use and benefit of the neuroimaging studies and neurophysiology procedures.
4- Recognize the role, Privilege and limitations of the different medication groups and therapeutic procedures used in the field of neurology.

C- Intellectual skills

By the end of the course, the candidate will be able to:

1- Analyze symptoms and signs, and hence constructing a differential diagnosis for the common presenting complaints
2- Design an appropriate diagnostic plan for evaluation of the common

neurological disorders, and institute the appropriate diagnostic, preventive and therapeutic interventions.

3- Construct a treatment plan, incorporating medical knowledge, available diagnostic procedures and patient's preferences in a cost effective manner.

D-Professional skills

By the end of the course, the candidate will be able to:

1- Take a thorough history of appropriate depth and detail.

2- Perform a complete and problem focused neurological examination.

3- Interpret the basic neurophysiology procedures and neuroimaging studies.

4- Search for scientific information and use the medical literature to improve clinical practice.

5- Recognize and carry out competent management in the wide array of neurological diseases and neurological emergency situations including increased intracranial pressure, evolving stroke, intracranial hemorrhage, status epilepticus, spinal cord compression and impending respiratory failure due to neuromuscular weakness.

E: Course content:

Lecture: 1hour/ day **Total:** 14 hours

Clinical: 2 hour / day **Total:** 28 hours

Topics	Number of hours	
	L	C
History taking and neurological examination	1	2
Epilepsy	1	2
Dementia	1	2
Headache and increase intra cranial pressure	1	2
Cerebrovascular disease and hemiplegia	1	2
Cerebellar disorders and ataxia	1	2
Extra pyramidal and movement disorder	1	2
Multiple sclerosis and other demyelinating disease	1	2
Spinal cord disorders and paraplegia	1	2
Motor neuron disease , GBS,MG	1	2
Polyneuropathy and muscle disease	1	2
CNS infection	1	2
Tumors of nervous system & paraneoplastic syndrome	1	2
Neurological emergency	1	2

L: Lecture and C: Clinical

4- Student assessment methods:

4.1- written exam: 5 short essay questions (5 marks)

4.2- Attendance: (5 marks)

5- List of references:

5.1- Course notes (paper & electronic)

Lecture note

National books approved by neurology department

5.2- Essential books (text books)

Brain diseases of the nervous system, Michel Donaghy

Adams and Victor principles of neurology, Ropper AH and Brown RH

Clinical neurology, Aminoff MJ, Greenberg DA and Simon RP

Merritt neurology, Houston H and Rowland Lp

5.3- Periodicals websites, etc.

Course Coordinator & Head of department:

Prof. Nabil Hussein Ibrahim