



Alkindy College of Medicine

MBCHB Program

2018-2019

**NEUROSCIENCE SYSTEM
MODULE GUIDE/Year III**

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VISION

Neuroscience module vision is to provide students the basic sciences and clinical framework for topics of central Nervous System (CNS), peripheral Nervous System (PNS) and the special senses of eye and ear. That information designed to be integrated between different disciplines including Anatomy, Histology, Embryology, Biochemistry, Microbiology and Immunity, Physiology, pharmacology and Pathology.

MISSION

- a) Describe gross structure and functional anatomy of each part of CNS and PNS and of Special senses of eye and ear.
- b) Describe physiological functions of each part of CNS and PNS and of Special senses of eye and ear.
- c) Describe physiology of neurons in CNS and PNS
- d) Describe the histology and Embryology of each part of CNS and PNS and of Special senses of eye and ear
- e) Describe the various bacterial, viral, parasitic and fungal infections of the nervous system with methods to diagnosing them.
- f) Describe the etiology, pathogenesis, gross and microscopic changes
- g) Describe mechanism of action, pharmacokinetics, indications and adverse effects of commonly used drugs used in nervous system diseases.
- h) Applying those information to some common clinical conditions and preparing the students to clinical years
- i) The above-mentioned mission will be achieved through integrated lectures, practical labs, seminars and tutorials.
- j) In addition students are given the opportunity to expand their scope of knowledge through SDL.