COURSE SPECIFICATION

MD Pediatrics –Second part Elective Pediatric neurology

Faculty of Medicine- Mansoura University

- Administrative information

(1) Programme offering the course:	MD Pediatrics (PED 600)
(2) Department offering the programme:	Pediatrics
(3) Department responsible for teaching the course:	Pediatrics Neurology
(4) Part of the programme:	Second part – Elective Pediatric neurology
(5) Date of approval by the Department`s council	27/4/2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title:	Elective Pediatric neurology
(8) Course code:	PED 609 ANU
(9) Total teaching hours:	45 hrs

(1) Course Aims:

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

1. Essential knowledge about the pathophysiology, epidemiological, clinical presentation and management of pediatric neurological conditions.

2. Skills necessary to diagnose and manage acute pediatric neurology conditions.

(2) Intended Learning Outcomes (ILOs):

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

A. Knowledge and Understanding

- **A1.** Define the basic pathophysiology behind perinatal metabolic encephalopathies
- **A2.** Recognize concepts of mitochondrial inheritance and common neurological presentation.
- **A3.** Identify the common causes of peroxismal disorders
- **A4.** Outline the common features and diagnostic criteria for neurocutaneous syndromes.
- **A5.** Identify most common causes of global developmental delay.
- **A6.** Determine common white and grey matter disorders causing neuro regression.
- **A7.** Name types of speech and language disorders in children
- **A8.** Identify diagnostic criteria of attention deficit hyperactivity.
- **A9.** Recognize features of behavior disorders like autistic spectrum disorders.
- **A10.** Define common epileptic syndrome in infancy, childhood and adolescence.
- **A11.** Determine clinical presentation and pathologic types of cerebrovascular disorders in children.
- **A12.** Outline types of hereditary and acquired neuropathies in children.
- **A13.** Identify mode of inheritance , types and management of childhood muscular disorders.

B. Intellectual skills

- **B1.** Construct diagnostic approach to metabolic encephalopathy.
- **B2.** Plan management and follow up of children with neurocutanous syndromes
- **B3.** Differentiate different types of seizures and epilepsy syndromes
- **B4.** Arrange appropriate type of neuro-imaging in investigation of cerebrovascular disorders.
- **B5.** Formulate a differential diagnosis of neurodegenerative disorders in children.
- **B6.** Interpret the relevant neurophysiological and metabolic investigations of neuropathies and myopathies
- **B7.** Construct investigations that will differentiate between the causes of neuro-developmental delay

(3) Course Contents

Course	Title	Teaching hrs	
Neurology		***lectures***	***ILOs***
	Perinatal metabolic encephalopathies	3	A1-B1
	Mitochondrial disorders	3	A2
	Peroxisomal disorders	3	A3
	Neuro cutaneous syndromes	3	A4-B2
	Global developmental delay	3	A5-B7
	Intellectual and motor regression	3	A6-B5
	Spech and language disorders	3	A7
	Dyslexia	3	A7
	Attention deficit- Hyperactive disorders	3	A8
	Neurobehavioural disorders- Tourette syndrome	3	A9
	Autistic spectrum disorders	3	A9
	Childhood epilepsy (up dates)	3	A10-B3
	Cerebrovascular diseases in children(updates)	3	A11-B4
	Peripheral neuropathies in children	3	A12-B6
	Muscle disease in children	3	A13-B6
Total		**45**	

(4) Teaching methods:

4.1: Weekly lectures and scientific seminar
4.2: Self learning

(5) Assessment methods:

5.1:…Written. for assessment of…… (knowledge, intellectual skills)

5.2:… Oral ……. for assessment of……(knowledge, intellectual skills

5.3 MCQ continuous assessment for assessment of…… (knowledge, intellectual skills)

Assessment schedule : Semester & Final Exam.

Course	Marks		
Neurology	MCQ (Semester Exam)	Essay (Final Exam)	Oral
	12	48	30
Total	**90**		

(6) References of the course:

6.1: Lectures Hand out notes……..

6.2: Text books:…Nelson Textbook of Pediatrics

6.3: Websites:…www.google.com www.pubmed.com……

(7) Facilities and resources mandatory for course completion:

- **LECTURE HALLS:** One hall for lecturers is available at Mansoura University Children's Hospital (MUCH). The hall is equipped with white board, data show, and computer.

- **CLINICAL ROUNDS HALLS:** One hall for clinical rounds is available at Mansoura University Children Hospital (MUCH). Computer and AV aids facilities are available with prior arrangement.

- **LIBRARY:**

The library is located on the 4th floor of the Faculty of Medicine, Mansoura University.

- **FACILITIES FOR TUTORS**

In addition to the library on 4th floor of the Faculty of Medicine, Mansoura University, there is a specialized pediatric library at MUCH (Professor Mohammad Hafez's Library).

The offices of all staff at MUCH are equipped with computers and high speed internet connection.

International databases are available through the website of the university (www.mans.edu.eg)

Course coordinator: Dr. Noha Tharwat

Head of the department: Prof. Ali Shaltout

Date: