



## COURSE SPECIFICATION

### Pediatric neuropsychiatry of Phoniatic disorders

Faculty of Medicine- Mansoura University

#### (A) Administrative information

(1) Programme offering the course.	Postgraduate Doctorate degree of Phoniatics/ PHON 600
(2) Department offering the programme.	Otorhinolaryngology Department
(3) Department responsible for teaching the course.	Pediatric Neurology Department Psychiatry Department
(4) Part of the programme.	Second part
(5) Date of approval by the Department's council	15-5-2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title.	pediatric neuropsychiatry of Phoniatic disorders
(8) Course code.	PHON 624PSY
(9) Total teaching hours.	60 hours/15W lecture 45 hours/15W clinical

## **(B) Professional information**

### **(1) Course Aims:**

The broad aims of the course are as follows.

The course discusses the neurological and psychiatric disorders related to pediatric patients with communication disorders outlining the methods of assessment, pharmacological and behavioral therapy.

### **(2) Intended Learning Outcomes (ILOs):**

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

#### **A- Knowledge and Understanding**

**A4.** Understand the psychological and behavioral aspects of verbal communication.

**A7.** Acquire specific knowledge in the epidemiology, etiology, pathogenesis, prophylaxis, clinical physiology, diagnostics, differential diagnostics, therapeutics and rehabilitation of the speech disorders that include:

A7a. Organic and functional articulation disorders.

A7b. Nasality, including cleft palate.

A7c. Dysfluency (stuttering and cluttering)

A7d. Dysarthria due to neurological (central, peripheral) and muscular diseases.

**A8.** Acquire specific knowledge in the epidemiology, etiology, pathogenesis, prophylaxis, clinical physiology, diagnostics, differential diagnostics, therapeutics and rehabilitation of the language disorders that include:

A8a. Delayed language development in children due to (but not limited to) hearing disorders (central and peripheral), mental retardation, brain damaged motor handicapped child (cerebral palsy), autism spectral disorder(ASD), attention deficit hyperactive disorders (ADHD), Specific language impairment (SLP).

A8b. Learning disability due to disorders of reading, writing and calculating (dyslexia, dysgraphia).

A8c. Dysphasia, aphasia.

**A9.** Acquire specific knowledge in the epidemiology, etiology, pathogenesis, prophylaxis, clinical physiology, diagnostics, differential diagnostics, therapeutics and rehabilitation of the swallowing disorders (Dysphagias) due to problems in the oral, and/or pharyngeal stages of swallowing (structural lesions, neurological disorders).

**A10.** Acquire selected knowledge from other disciplines required for phoniaticians (acoustics, electronics, phonetics, linguistics, pedagogics, psychology and behavior sciences) through attending of relevant basic science courses. This will form the starting point for the formation of a Phoniatician and also the basis for interdisciplinary cooperation and to carryout research work.

**A13.** Acquire the basic knowledge and skills in evaluating of psychiatric patients in the domain of phoniatics.

### **B- Intellectual skills :**

**B5.** Outlines the role of pharmacological therapeutic agents in treatment of diseases of voice, speech, language and swallowing in order to be able to describe them when needed.

**B7.** Grasps the principles of behavior therapy in order to introduce efficiently these measures in the therapeutic programs given to patients.

**B13.** Determines the cause of the neurological deficit in the domain of phoniatic disorders and selects the proper investigation and interpretation of radiological findings (CT and MRI of the brain).

**B14.** Interprets the electroencephalogram (EEG).

### **C- Professional/practical skills:**

**C2.** Examines the ear, nose, pharynx and larynx as well as the nervous system efficiently in order to detect organic changes and evaluate its significance and in order to associate between these signs and the symtomatology collected previously.

## **D- Communication & Transferable skills:**

- D1.** Communicates effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds.
- D2.** Cooperates with disciplines related to disorders of voice, speech, language and swallowing in order to participate in teamwork necessary for the proper management of those patients .
- D3.** Conveys his/her ideas to specialists in other disciplines in order to be able to function effectively in a group.
- D4.** Identifies the capacities and limitations of the other medical specialties participating with him/her in the clinical teams in order to be able to put effectively an integrated , realistic therapeutic program.
- D5.** Practices the activities of group interaction in order to be able participate efficiently in the activities of the clinical teams.
- D6.** Apply principles of medical ethics in dealing with patient information by keeping patient privacy and confidentiality even with multi-personnel accessibility to patient data.

**(3) Course content:**

Subjects	Lectures	Clin/ Lab	Field	Total Teaching Hours
<b>I. Pediatric neurological disorders:</b>				
<b>1- Cerebral palsy:</b> - Classification. - Multifaceted nature of the problem (clinical picture and associated problems). - Diagnosis and assessment. - Deferential diagnosis. - Teamwork management	2×3lectures	5hrs		6 hours
<b>2- Epilepsy:</b> Definition, incidence, etiology, types and clinical picture of each, diagnosis and assessment, deferential diagnosis and management.	2×2lectures	5hrs	-----	4 hours
<b>3- Involuntary movements:</b> Types, clinical picture, diagnosis and assessment, deferential diagnosis and management.	2×2lectures	5hrs	-----	4 hours
<b>4- Intracranial infections:</b> classification, etiology, clinical picture, complications, diagnosis and assessment, deferential diagnosis and management.	2×2lectures	5hrs	-----	4 hours
<b>5- Hydrocephalus:</b> Aetiology, clinical picture, diagnosis and assessment, deferential diagnosis and management.	2×1lecture	5hrs	-----	2 hours
<b>6- Assessment of a pediatric neurological case (including interpretation of CT and MRI of the brain and EEG).</b>	2×3lectures	5 hours	-----	16 hours
<b>7- Management of a pediatric neurological case.</b>	2×2lectures	5hrs	-----	4 hours
<b>II. Pediatric psychiatric disorders:</b>				
1. Autism spectrum disorders. 2. Attention deficit disorders. 3. Mental retardation. 4. Disruptive behavior disorders (oppositional defiant disorder and conduct disorder). 5. Childhood schizophrenia. 6. Negativism. 7. Selective mutism. 8. Anxiety disorders. 9. Depressive disorder. 10. Pharmacological and Behavior therapy methodologies.	2×10 lectures	10hrs	-----	20 hours

**(4) Teaching methods:**

4.1. Lectures

4.2. Power point presentation

**(5) Assessment methods:**

5.1. Written / oral exam for assessment of A5, 8, 10, 13, b5, 7, D1-6

**(6) References of the course:**

6.1. Kaplane Sadocki (2010), Pocket handbook of clinical psychiatry (5<sup>th</sup> Ed). Point Lippincott Williams & Wilkins.

**(7) Facilities and resources mandatory for course completion:**

Lecture halls and data show.

Course coordinator: Prof. Dr. Tamer Samir Abou-Elsaad

Date: