



COURSE SPECIFICATION

Physical medicine of Phoniatic Disorders

Faculty of Medicine– Mansoura University

(A) Administrative information

| | |
|---|--|
| (1) Programme offering the course. | Postgraduate Master degree of Phoniatics/ PHON 500 |
| (2) Department offering the programme. | Otorhinolaryngology Department |
| (3) Department responsible for teaching the course. | Physical medicine 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. | Physical medicine of Phoniatic disorders |
| (8) Course code. | OPHON 524 PRH |
| (9) Total teaching hours. | 15hours/15weeks |

(B) Professional information

(1) Course Aims.

The broad aims of the course are as follows.

The course is designed to provide the candidate with the basic knowledge and skills necessary to be competent as to the whole of prophylaxis, diagnostics, therapeutics, rehabilitation, medical report, teaching and research, with reference to the diseases and disorders of language, speech, voice and swallowing disorders. The course will ensure that the candidate will be able to work with clients of all ages, including children and adults.

(2) Intended Learning Outcomes (ILOs).

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

A- Knowledge and Understanding

A6. Acquire specific knowledge in the epidemiology, etiology, pathogenesis, prophylaxis, clinical physiology, diagnostics, differential diagnostics, therapeutics and rehabilitation of the voice disorders that include:

A6a. Congenital voice disorders.

A6b. Developmental voice disorders.

A6c. Non-organic (functional) voice disorders with and without secondary organic lesions in the larynx, including occupational dysphonia and also singers' voice.

A6d. Dysphonia caused by hormones.

A6e. Dysphonia as a result of organic alterations in the larynx.

A6f. Voice disorders due to neurological and psychiatric diseases, including vocal fold paralysis.

A6g. Voice disorders after operation or trauma of the larynx.

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.

B- Intellectual skills :

B1. Outlines the therapeutic measures in the field of diseases of voice, speech, language and swallowing and applies them surgically, pharmacologically and behaviorally in order to be able to draw and perform the strategy of the therapy in the field efficiently.

B2. Collects complete, clear and organized information about the patient's ailments in order to be able to analyze it and formulate a preliminary idea concerning the etiological diagnosis of ailments.

B11. Identifies the role of prosthetic devices and aids in the therapeutic program for diseases of voice, speech, language and swallowing in order to be able to use it efficiently when indicated.

(3) Course content:

| Subjects | Lectures | Clin/ Lab | Field | Total Teaching Hours |
|--|-------------|--------------|-------|----------------------------|
| 1- Cerebral palsy (principles of physical evaluation and motor rehabilitation). | 1×5lectures | | | 5h |
| 2- Connective tissue diseases related to communication disorders: a) Systemic lupus erythematosus. b) Rheumatoid arthritis. c) Scleroderma. | 1×5lectures | | | 5h |
| 3- Principles of Electromyography (EMG). | 1×5lectures | | | 5h |

(4) Teaching methods:

4.1: Lectures

4.2: Power point presentation.

4.3 case presentation.

4.4: Seminar one hour duration done every week about the recent advances in this field (review of literature, journal club ...)

(5) Assessment methods:

5.1: Written exam for assessment of A1,4, 6-9, 15, B1-12, D1,5,6,7

5.2 Oral/ clinical exam for assessment of C1-3, 5-17

(6) References of the course:

6.6. Kotby, M.N. (1980): Diagnosis and management of communicatively handicapped child. *Ain Shams Medical Journal*; 31: 303-317.

6.17. Kotby M.N., Fadly E., Madkour T.O., Barakah M., Khidr A., Alloush T., and Saleh M. (1992): Electromyography and Neurography in Neurolaryngology. *Journal of Voice*; 6 (2): 159-187

(7) Facilities and resources mandatory for course completion.

Lecture halls and data show.

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