

University : AL-AZHAR university

Faculty: Faculty of Medicine

Department: ENT Department

Course Specification

1. Course Data		
Course Code: 700-ENT-MD	Course Title: Doctorate degree in otorhinology	Academic Year / level 2014-2015
Specialization: ENT	Single program	

2. Aims of the course	<p>By the end of the course, the post-graduate physician should have:</p> <p>2.1 Developed a high level of scientific knowledge (basic and advanced) about otorhinology problems and diseases regarding aetiology, clinical picture, investigations, D.D and management.</p> <p>2.2 Developing professional skills and training in relation to clinical diagnosis, investigations (lab., imaging, endoscopy) and management (medical or surgical) of most of otorhinology problems (acute, chronic and emergencies).</p> <p>2.3 Developing skills in relation to medical researches and continuous medical education and encouraging scientific thinking in otorhinology field.</p> <p>2.4 Positive attitude that are important for physician to communicate with patients, colleagues and co-workers in the medical field.</p> <p><i>All these programs aim to provide the communicating with highly qualified physicians and high quality otorhinology services that can deal effectively as humanely with most of otorhinology problems and promote the health of the people.</i></p>
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3 -Intended Learning Outcome (ILOs)

A. Knowledge and Understanding:

- A.1 Mention the normal structure and function of the human head and neck on the macro and micro levels.
- A.2 understand in the normal growth and development of the human head and neck.
- A.3 list the abnormal structure, function, growth and development of human Ear, Nose and Throat.
- A.4 Understand the natural history of otorhinolaryngology diseases.
- A.5 Understand the causation of otorhinolaryngology diseases.
- A.6 Enumerate methods of otorhinolaryngology health and preventing their illness.
- A.7 List the clinical picture and differential diagnosis of otorhinolaryngology illness.
- A.8 Enumerate in the common diagnostic and laboratory techniques necessary to establish diagnosis of otorhinolaryngology illness.
- A.9 Describe the various therapeutic methods/alternatives used used for otorhinolaryngology diseases.
- A.10 Understand scientific developments in the field of otorhinolaryngology.
- A.11 Understand the mutual influence between professional practice and it's impact on the environment.
- A.12 Mention the ethical and legal principles of professional practice in the field of otorhinolaryngology.
- A.13 Know the principles and fundamentals pf quality assurance of professional practice in the field of otorhinolaryngology.
- A.14 Know the basis and ethics of scientific research.

<p>B. Intellectual Skills:</p>	<p>B.1 Interpret, analyze and evaluate data acquired through history taking to reach a provisional diagnosis for otorhinolaryngology problems</p> <p>B.2 Select from different diagnostic alternatives the ones that help reaching a final diagnosis for otorhinolaryngology problems</p> <p>B.3 Link between knowledge for professional problems' solving.</p> <p>B.4 Conduct a research study and/or writing a scientific study on a research problem.</p> <p>B.5 Assess risk in professional practices in the field of otorhinolaryngology.</p> <p>B.6 Plan to improve performance in the field of otorhinolaryngology.</p> <p>B.7 Identify otorhinolaryngology problems and find solutions.</p> <p>B.8 Analyze researches and issues related to the otorhinolaryngology.</p>
<p>C. Professional and practical Skills:</p>	<p>C.1 Master the basic and modern professional skills in the area of otorhinolaryngology.</p> <p>C.2 Write and Evaluate medical reports.</p> <p>C.3 Assess methods and tools existing in the area of otorhinolaryngology.</p>
<p>D. General and transferable Skills:</p>	<p>D.1 Communicate effectively by all types of effective communication.</p> <p>D.2 Use information technology to serve the development of professional practice.</p> <p>D.3 Assess himself and identify his personal needs.</p> <p>D.4 Use different sources to obtain information and knowledge.</p> <p>D.5 Develop rules and indicators for assessing the performance of others.</p> <p>D.6 Work in a team, and team's leadership in various professional context.</p> <p>D.7 Manage time effectively.</p>

	D.8 Learn himself continuously.
5 -Course Content	<p><u>A) Head and neck</u></p> <ul style="list-style-type: none"> • Hed and neck diagnostic imaging • Radiation therapy for head and neck cancer • Chemotherapy for head and neck cancer • Basic histopathology in head and neck cancer • Preoperaqtive evaluation and postoperative care and rehabilitation for HN cancer patient • Complication of head & neck cancer surgery • Surgical anatomy of the neck/larynx/hypopharynx <p>Natural history of neck/larynx/hypopharyngeal cancer</p> <p style="padding-left: 40px;">Histological variants</p> <p style="padding-left: 40px;">Epidemiology</p> <p style="padding-left: 40px;">Risk factors</p> <p style="padding-left: 40px;">Nodal metastasis</p> <p style="padding-left: 40px;">TNM staging</p> <p style="padding-left: 40px;">Clinical presentation & diagnosis</p> <p>Surgical management and techniques</p> <p style="padding-left: 40px;">Neck dissection</p> <p style="padding-left: 40px;">Laryngectomy</p> <ul style="list-style-type: none"> • Surgical anatomy of the salivary gland/parapharyngeal space <p>Natural history of salivary gland cancer & parapharyngeal space</p> <p>Tumers</p> <p style="padding-left: 40px;">Histological variants</p>

	<p>Epidemiology</p> <p>Risk factors</p> <p>Nodal metastasis</p> <p>TNM staging</p> <p>Clinical presentation and diagnosis</p> <p>Surgical management and techniques</p> <p>Parotidectomy</p> <p>Surgical anatomy of the thyroid/ parathyroid gland</p> <p>Natural history of thyroid/ parathyroid tumors</p> <p>Histological variants</p> <p>Epidemiology</p> <p>Risk factors</p> <p>Nodal metastasis</p> <p>TNM staging</p> <p>Clinical presentation and diagnosis</p> <p>Surgical management and techniques</p> <p>Thyroidectomy parathyroid surgery</p> <ul style="list-style-type: none"> • Surgical anatomy of oral cavity/ oropharyngeal cavity <p>Natural history of oral cavity /oropharyngeal cancer</p> <p>Histological variants</p> <p>Epidemiology</p> <p>Risk factors</p> <p>Nodal metastasis</p> <p>TNM staging</p> <p>Clinical presentation &diagnosis</p> <ul style="list-style-type: none"> • Surgical anatomy of paranasal sinuses/ anterior skull base <p>Natural history of paranasal sinus cancer</p>
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	<p>Histological variants</p> <p>Epidemiology</p> <p>Risk factors</p> <p>Nodal metastasis</p> <p>TNM staging</p> <p>Clinical presentation & diagnosis</p> <p>Surgical management and techniques</p> <p>maxillectomy</p>
	<p>The following learning methods are to be used for the teaching of the postgraduate physicians:</p> <ol style="list-style-type: none"> 1. Journal Club 2. Paper presentation 3. Seminar: Lecture/ discussion. 4. Case presentation in the ward.
<p>6-Teaching and Learning Methods</p>	<p>The following learning methods are to be used for the teaching of the postgraduate physicians:</p> <ol style="list-style-type: none"> 1. Journal Club 2. Paper presentation 3. Seminar: Lecture/ discussion. 4. Case presentation in the ward.

	<p>Research:</p> <ul style="list-style-type: none"> - Learn the basis in research methodology and make the thesis /Assay protocol within 4 months of admission - Use of medical literature search including through internet use in the library <p>Presentation of thesis work:</p> <ul style="list-style-type: none"> - Selection of thesis topic:subject of thesis will be selected by the candidate under guidance of the supervisor which will be approved by the department and faculty. The candidate will be asked to submit the protocol within 4 months of admission after passing the first part exam - Once the thesis protocol is approved , the candidate starts his research work under direct supervision of staff supervisor and co-guides - Three to six months the progress of the thesis will be checked to know the outcomes or difficulties faced by candidate - Candidate will be asked to submit the thesis 6 months before the final exam
7- student assessment	
a. Procedures used:	<ol style="list-style-type: none"> 1. Final written exam in one paper. 2. Oral exam: immediately after the final written exam 3. Clinical examination
b. Schedule:	<ul style="list-style-type: none"> • <i>Final-term examination</i> • <i>Written examination 50 %</i> • <i>Oral & Practical examination. 50 %</i>
c. Weighing of Assessment:	