Ear, Nose and Throat
Course Specifications

4th year of M.B.B.Ch. Program
2011-2012
1- basic course information

Course title: Ear, Nose and Throat.

Code: AMed015

Academic year / Level: 4th year

Programme(s) on which the course is given: M.B.B.Ch. program

Department offering the course: Ear, Nose and Throat department

Lecture: 64 hours

Tutorial/ Practical: 6 weeks (3 days / week).

External evaluator: Abd Elmateen Mousa: Professor of Ear, Nose and Throat, Faculty of Medicine, Sohag University.

Date of last revision: 7-2011

2- Overall aims

- To provide the student with the knowledge, and skills that enable him/her to identify, analyze, manage and/or refer clinical common Ear Nose and Throat (ENT) problems in order to provide efficient, cost-effective and humane patient care.
- To provide the student with an appropriate background covering the common and/or life threatening ENT diseases emergencies.
- To enable the student to detect ENT cancer diseases at an early stage.
- To enable the development and application of appropriate ethical principles, professional attitude and communication skills.

3- Intended Learning Outcomes (ILOs)

A- Knowledge and understanding:

By the end of the course, students should be able to:

A1- Describe the ENT anatomy and physiology of surgically-important regions, organs and structures of the body.
A2- Describe the etiology, pathogenesis, clinical features, and complications of common and life threatening ENT conditions.
A3- Describe principles of prevention, and management of common and life threatening ENT conditions.
A4- Mention basic steps of simple ENT surgical operations and explain the basic principles of major operations.
A5-Mention the principles and practice of preoperative preparation and postoperative care including pain management.
A6- Mention the methods of early detection ENT cancer
A7- Identify ethical aspects of COMMON ENT surgical practice.
A8- Recognize common ENT medical errors and malpractice in surgery.

B- Intellectual skills

By the end of the course, students should be able to:

B1- Interpret patients’ symptoms and physical signs in terms of their anatomic, pathologic and functional diagnostic significance.
B2- Analyze common clinical ENT problems.
B3- Prioritize the appropriate investigations needed for every ENT patient.
B4- Integrate the results of clinical and investigatory findings to formulate appropriate cost effective diagnosis and management plan for common ENT problems.
B5- Plan an initial course of management to stabilize patients with common ENT emergencies.
B6- Evaluate the effectiveness of therapy and re-evaluate management plan accordingly.
B7- Predict complications of serious ENT diseases beyond the capacities of general practitioner and determine when to refer them to specialist.
B8- Classify factors that place the individuals at risk for special ENT diseases.
B9- Retrieve, analyzes, and synthesizes relevant and current data using information technologies and integrate the best research evidence with clinical expertise and patient values.
B10- Write a safe prescription for common and important ENT conditions.

C- Professional clinical skills

By the end of the course, students should be able to:

C1- Obtain accurate and complete history OF common ENT diseases.
C2- Examine the patient systematically as well as locally with proper note keeping.
C3- Perform an emergency-directed examination for patients with ENT emergencies including trauma.
C4- Elicit normal ENT anatomy
C5- Identify the most significant clinical manifestations of common and life threatening ENT diseases including surgical emergencies.
C6- Perform simple bed-side tests
C7- Examine pathological lesions in jars containing postoperative ENT surgical specimens of common ENT surgical conditions.
C8- Examine various radiological features of **ENT** surgical diseases.
C9- Examine surgical instruments and link between these instruments and ENT surgical operations.
C10- Conduct the principles of sterile techniques and infection control guidelines.
C11- Perform first aid measures and initial therapy for injured and acutely ill patient

**D- General and transferable skills**

*By the end of the course, students should be able to:*

D1- Communicate effectively with patients, and their families.
D2- Deliver information to the patients and their families in a humane and respectable manner
D3- Communicate effectively with other health care providers and community through verbal and non-verbal means of communications.
D4- Respect interdisciplinary team work and solve problems related to work management and among colleagues.
D5- Write patients’ records and present them in a proper way.
D6- Demonstrate ability to retrieve, manage and present information including electronically
D7- Conduct reliable and responsible behaviors
D8- Respect patient will, privacy and dignity
D9- Evaluate their work and discuss professional errors in an honest way
D10- Adopt the principles of life long learning.

**4- Course Contents**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Lecture</th>
<th>Tutorial/Practical</th>
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<tbody>
<tr>
<td><strong>A- Otology:</strong></td>
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<tr>
<td>1. Anatomy of the external, middle and inner ear.</td>
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<td>2. The mechanisms of hearing and equilibrium.</td>
<td>1</td>
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<td>3. Diseases of the external ear:</td>
<td>3</td>
<td>1</td>
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<tr>
<td>b. Wax.</td>
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<td>c. Inflammations.</td>
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<td>d. Foreign bodies.</td>
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<td>e. Effects of trauma.</td>
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</tbody>
</table>
4. Diseases of the middle ear as:
   a. Trauma.
   b. Acute suppurative otitis media.
   c. Non-suppurative otitis media.
   d. Chronic suppurative otitis media (safe and unsafe).
   e. Complications of CSOM.
   f. Otosclerosis and tumours.

5. Meniere's disease (and briefly other causes of vertigo)

6. Facial nerve paralysis
7. Types and causes of deafness.
8. Ear wash and ear operations as myringotomy and cortical and radical mastoidectomy.

<table>
<thead>
<tr>
<th>B- The Nose:</th>
<th>15</th>
<th>7 Hours</th>
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<tbody>
<tr>
<td>1. Anatomy and physiology of the nose and paranasal sinuses.</td>
<td>1</td>
<td>1</td>
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<tr>
<td>2. Congenital diseases of the nose.</td>
<td>1</td>
<td>1</td>
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<tr>
<td>3. Effects of Trauma.</td>
<td>4</td>
<td>1</td>
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<tr>
<td>4. Diseases of the nasal septum: septal deviation, abscess and perforation.</td>
<td>5</td>
<td>1</td>
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<tr>
<td>5. Acute and chronic inflammations.</td>
<td>1</td>
<td>1</td>
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<tr>
<td>6. Allergic rhinitis.</td>
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<td>1</td>
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<td>7. Vasomotor rhinitis.</td>
<td>1</td>
<td>1</td>
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<td>8. Nasal polyps.</td>
<td>1</td>
<td>1</td>
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<td>9. Epistaxis</td>
<td>1</td>
<td>1</td>
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<tr>
<td>10. Acute and chronic sinusitis and their complications.</td>
<td>2</td>
<td>1</td>
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<tr>
<td>11. Benign and malignant tumours of the nose and paranasal sinuses.</td>
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<td>1</td>
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<td>12. Disorders of smell.</td>
<td>1</td>
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<tr>
<td>13. Operations: antral puncture and lavage, intranasal antrostomy, Caldwell - Luc's operation, submucous resection and the principles of endoscopic sinus surgery.</td>
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C- Pharynx and Oesophagus:

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<thead>
<tr>
<th></th>
<th>15</th>
<th>7 Hours</th>
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<tbody>
<tr>
<td>1.</td>
<td>Anatomy and function of the pharynx and oesophagus</td>
<td>1</td>
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<tr>
<td>2.</td>
<td>Nasopharyngeal diseases: Adenoid, nasopharyngeal fibroma and carcinoma</td>
<td>2</td>
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<td>3.</td>
<td>Acute and chronic inflammations of the oropharynx.</td>
<td>2</td>
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<tr>
<td>4.</td>
<td>Adenoidectomy, tonsillectomy.</td>
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<td>5.</td>
<td>Suppurations related to the pharynx.</td>
<td>5</td>
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<tr>
<td>6.</td>
<td>Ulcerations and tumors</td>
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<td>7.</td>
<td>Diseases of the hypopharynx: Plummer Vinson syndrome, tumors and pharyngeal pouch.</td>
<td>2</td>
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<tr>
<td>8.</td>
<td>Oesophageal diseases in relation to the otolaryngologist: foreign body, corrosive oesophagitis, oesophageal strictures and achalasia.</td>
<td>2</td>
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<tr>
<td>9.</td>
<td>Oesophagoscopy.</td>
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D- Larynx:

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<tr>
<th></th>
<th>14</th>
<th>6 Hours</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Anatomy and functions of the larynx.</td>
<td>1</td>
</tr>
<tr>
<td>2.</td>
<td>Congenital diseases of the larynx.</td>
<td>2</td>
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<tr>
<td>3.</td>
<td>Trauma and foreign body inhalation.</td>
<td>1</td>
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<tr>
<td>4.</td>
<td>Laryngeal oedema.</td>
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<tr>
<td>5.</td>
<td>Acute and chronic inflammation</td>
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<tr>
<td>6.</td>
<td>Laryngeal polyps and singer nodes.</td>
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<tr>
<td>7.</td>
<td>Laryngeal paralysis.</td>
<td>2</td>
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<tr>
<td>8.</td>
<td>Benign and malignant tumours.</td>
<td>2</td>
</tr>
</tbody>
</table>

5- Teaching and learning methods

- Lectures
- Clinical sessions
- Small group teaching and problem solving (case studies)

Facilities required for teaching and learning

a. Computers and data Show.
b. Conditioned rooms.
c. E.N.T basic examination sets.
d. Demonstration sets
6- Teaching and learning methods for students with learning difficulties:

1- Lectures  
2- Clinical sessions  
3- Small group teaching and problem solving  
4- Special classes outside the teaching schedule  

7- Student assessment methods

1. Written Exam. to assess Knowledge and understanding. (A1-A8)  
2. Oral Exam. to assess Knowledge and understanding(A1-A8), Intellectual skills(B1-B10), and general skills(D1-D10),  
3. Clinical Exam. to assess Clinical skills(C1-C10), Intellectual skills(B1-B10), and general skills (D1-D10),  
4. Formative assessment by Electronic quizzes to assess Knowledge and understanding. (A1-A8) and Intellectual skills(B1-B10),  

Assessment schedule

- Assessment 1: Written at the end of the course.  
- Assessment 2: Clinical at the end of the course.  
- Assessment 3: Written.  
- Assessment 4: Oral.  
- Assessment 5: Clinical.  

4 weeks  
Final Exam.

Weighting of assessments

- End of rotation examination 10%  
- Mid-term examination 10 %  
- Final examination:  
  - Written examination 50 %  
  - Clinical examination 15 %  
  - Oral examination 15 %  
- Total 100 %

8- List of references

1. Essential books (text books). Synopsis  
2. Recommended books Scott - Brown’s Otoloryngology (2008)  
3. Periodicals, Web sites,… etc Laryngoscope.

Course Coordinators:  
Prof Dr. Ahmed Abo El wafa.
Assistant Lecturer: M. Omar.

Head of department:

Prof Dr. Mohamed Mohamed Kamal.

9/9/2011