## Objectives of the Programme

The M. Med ENT programme is intended to achieve the following:

* To produce graduates capable of integrating biomedical sciences knowledge in managing patients with ENT diseases
* To produce graduate that can competently manage patients with ENT diseases
* To produce skilled graduates capable of developing, evaluating, and executing management guidelines in relation to ENT diseases.
* To produce competent graduate who can conduct high quality research that can translate into policy.
* To produce professionals vested with moral and ethical values

## Programme Expected Learning outcomes and its associated teaching/learning activities and assessment criteria

**At the end of this programme student will be able to:**

|  |  |  |
| --- | --- | --- |
| **Qualification category** | Postgraduate | **Assessment Criteria** |
| **Qualification type** | M.Med | MCQMatching Item QuestionsEssayContinuous AssessmentEnd of Semester ExaminationClinical casePresentation assessmentLog bookViva voce |
| **Levels** | 9 |
| Learning outcomes | Knowledge | On the successful completion of the course the graduate specialist should be able to:1. Comprehend scientific knowledge of Physiology, Anatomy, Microbiology & Immunology, Pathology, Clinical Pharmacology, Epidemiology and Research Methods relevant to the needs of Ear, Nose, Throat, Head and Neck patients.
2. Comprehend all Ear, Nose, Throat, Head and Neck medical problems.
3. Comprehend laboratory, radiological and endoscopic investigations to reach appropriate diagnosis for specific Ear, Nose, Throat, Head and Neck patient’s management.
 |
| Skills | 1. Apply scientific knowledge of Physiology, Anatomy, Microbiology & Immunology, Pathology, Clinical Pharmacology, Epidemiology and Research Methods relevant to the needs of Ear, Nose, Throat, Head and Neck patients.
2. Manage competently all Ear, Nose, Throat, Head and Neck surgical and medical conditions prevalent in the hospitals and in the community.
3. Discover and assess Ear, Nose, Throat, Head and Neck medical conditions in the community and propose appropriate scientific interventions.
4. Apply rationally laboratory, radiological and endoscopic investigations to reach appropriate diagnosis for specific Ear, Nose, Throat, Head and Neck patients’ management.
5. Apply new innovations in the Ear, Nose, Throat, Head and Neck medical field and other related fields through continuing education and multidisciplinary interactions.
6. Teach Ear, Nose and Throat and Head and Neck Surgery
7. Carry out research in the hospitals and the community in relation to Ear, Nose and Throat and Head and Neck Surgery health.
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| Attitude | 1. Demonstrate high professional & ethical standards in the course of his or her professional medical practice in Ear, Nose, Throat, Head and Neck surgery towards patients, colleagues and the community.
2. Bestow leadership competency in the appropriate or related field of his/her training.
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| Competences | 1. Manage competently all Ear, Nose, Throat, Head and Neck surgical and medical conditions prevalent in the hospitals and in the community.
2. Demonstrate competency in the teaching of undergraduate medical students and other allied health cadres pertaining to Ear, Nose, Throat, Head and Neck surgical and medical conditions.
3. Plan and conduct clinical medical research competently relevant to the needs of the Ear, Nose, Throat, Head and Neck patient and community.
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 **Normal learning matrix and course matrix**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course code** | **Course title** | **LH** | **TH** | **AS** | **IS** | **PH** | **CH** | **Credits** |
|  | **Year 1 Semester 1** |  |  |  |  |  |  |  |
| **AA 600** | Advanced Anatomy of Ear, Nose, Throat, Head and Neck | 18 | 18 | 18 | 36 | 90 | 180 | 18 |
| **AP 600** | Advanced Pathology of Ear, Nose, Throat, Head and Neck | 18 | 36 | 18 | 36 | 18 | 126 | 12.6 |
| **MI 600** | Microbiology and Immunology | 36 | 36 | 24 | 60 | 18 | 174 | 17.4 |
| **ER 600** | Epidemiology, Biostatistics & Research Methods | 18 | 36 | 16 | 36 | 18 | 124 | 12.4 |
| **PH 600** | Clinical Physiology | 18 | 18 | 16 | 34 | 18 | 104 | 10.4 |
| **CP 600** | Clinical Pharmacology | 18 | 36 | 16 | 36 | 18 | 124 | 12.4 |
|  | **Semester total** | **126** | **180** | **108** | **238** | **180** | **832** | **83.2** |
|  | **Year 1 Semester 2** |  |  |  |  |  |  |  |
| **AT600** | Applied Anatomy and physiology of Ear Nose and Throat | 18 | 18 | 36 | 48 | 144 | 264 | 26.4 |
| **EE 600** | Ear Nose and Throat Emergencies | 36 | 18 | 36 | 48 | 126 | 264 | 26.4 |
| **PS 600** | Principles of Surgery | 18 | 18 | 24 | 18 | 90 | 168 | 16.8 |
| **TD 600** | Temporal bone Anatomy and Dissection | 18 | 18 | 24 | 24 | 72 | 156 | 15.6 |
| **ME 600** | Medical Ethics and Professionalism | 18 | 18 | 4 | 4 | 0 | 44 | 4.4 |
|  | **Semester total** | **108** | **90** | **124** | **142** | **432** | **896** | 89.6 |
|  | **Year 2 Semester 1** |  |  |  |  |  |  |  |
| **PR 700** | Paediatric Rhinology (Rhinology I) | 18 | 18 | 36 | 30 | 90 | **192** | 19.2 |
| **PO 700** | Pediatric Otology | 18 | 36 | 36 | 60 | 126 | **276** | 27.6 |
| **PL 700** | Pediatric Laryngology Head and Neck | 18 | 36 | 36 | 60 | 126 | **276** | 27.6 |
|  | **Semester total** | **54** | **90** | **108** | **150** | **342** | **744** | 74.4 |
|  | **Year 2 Semester 2** |  |  |  |  |  |  |  |
| **AS 700** | Audiology and Speech Pathology | 18 | 18 | 24 | 48 | 72 | 180 | 18.0 |
| **RN 700** | Rhinology II: Inflammation, Trauma and Neoplasms | 36 | 36 | 36 | 54 | 180 | 342 | 34.2 |
| **RP 700** | Research Proposal development | 0 | 0 | 10 | 40 | 90 | 140 | 14.0 |
|  | **Semester total** | **54** | **54** | **70** | **142** | **342** | **662** | **66.2** |
|  | **Year 3 Semester 1** |  |  |  |  |  |  |  |
| **IH 800** | Inflammatory conditions of the Head and Neck | 18 | 36 | 18 | 24 | 90 | 186 | 18.6 |
| **TH 800** | Traumatic conditions of the Head and Neck | 36 | 36 | 24 | 36 | 126 | 258 | 25.8 |
| **NH 800** | Neoplastic conditions of the Head and Neck | 18 | 18 | 24 | 36 | 90 | 186 | 18.6 |
| **DC 800** | Data collection | 0 | 0 | 0 | 36 | 144 | 180 | 18.0 |
|  | **Semester total** | **72** | **90** | **66** | **132** | **450** | **810** | **81** |
|  | **Year 3 Semester 2** |  |  |  |  |  |  |  |
| **OI 800** | Otology and Neurotology: Inflammatory conditions | 18 | 18 | 24 | 36 | 90 | 186 | 18.6 |
|  **OT 800** | Otology and Neurotology: Traumatic conditions | 18 | 36 | 36 | 44 | 126 | 260 | 26.0 |
| **ON 800** | Otology and Neurotology: Neoplastic conditions | 18 | 18 | 36 | 44 | 90 | 206 | 20.6 |
| **DD 800** | Dissertation writing and defense | 0 | 9 | 0 | 36 | 189 | 234 | 23.4 |
|  | **Semester total** | **54** | **81** | **96** | **160** | **495** | **886** | **88.6** |
|  | **Grand Total** | **468** | **585** | **572** | **964** | **2241** | **4830** | **483** |

**KEY**

LH: Lecture Hours

TH: Tutorial Hours

IS: Independent studies

AS: Assignment Hours

PH: Practical or Field work hours

C: Credits

CH: Contact hours: 10 Notional Hours= 1 CREDIT