

# Department - Oto-Rhino-Laryngology

## 1. Courses offered - MBBS

## 2. Departmental Library cum seminar Room-

Size	-	6.63 X 6.72
No. of books	-	123
No. of Journals	-	06

## 3. Demonstration rooms

Number of rooms	In OPD	In Ward
Room-Size	4.70x7.55	6.73 x 3.25
Accommodation	30	30
Facilities of Audiovisual Aids	OHP	OHP

## 4. Laboratories-

Room-Size	-	2.00x3.56
Equipments	-	Available

## 5. Research Lab-

Room Size	-	2.96 x 3.27
Equipments	-	Patient Couch, Computer Table, Chair, Computer, BERA, ENG,

## 6. Computer system & Internet facility-

No. of Computer	-	6 Computer Available
Internet Facility	-	4 (Computers have Internet Facility)

## 7. List of major equipments in the department

S.No.	Particulars	Available	Not Available	Functional	Non-Functional
1.	Operating Microscope with teaching aid	Yes	-	Yes	-
2.	High speed drill in operation theatre	Yes	-	Yes	-
3.	Flexible fibroptic nasopharyngolaryngoscope/ bronchoscope	Yes	-	Yes	-
4.	Rigid Paediatric Bronchoscopy set	Yes	-	Yes	-
5.	Rigid Oesophagoscopy set	Yes	-	Yes	-
6.	Microlaryngoscopy set	Yes	-	Yes	-
7.	Sinus endoscopy set	Yes	-	Yes	-
8.	Microdebrider for sinus	Yes	-	Yes	-

	surgeries				
9.	Digital mono & bipolar cautery	Yes	-	Yes	-
10.	Nerve stimulator/ monitor	Yes	-	Yes	-
11.	High definition digital camera with recording system	Yes	-	Yes	-
12.	OAE	Yes	-	Yes	-
13.	BERA	Yes	-	Yes	-
14.	Impedance Audiometer	Yes	-	Yes	-
15.	Pure tone audiometer	Yes	-	Yes	-
16.	*Sleep Lab (in the Institute) *Simulators (teaching aids) for ear, nose surgeries	Yes	-	Yes	-
17.	*CO <sub>2</sub> LASER	Yes	-	Yes	-
18.	*Diode LASER	Yes	-	Yes	-
19.	*Harmonic scalpel	Yes	-	Yes	-
20.	*Stroboscope/ High Speed camera	Yes	-	Yes	-
21.	Optional				

## 8. Teaching schedule

(a) Syllabus in short (b) total teaching hours- Didactic lectures, Practical, Tutorials, Demonstrations, Seminars, Presentations etc.

Syllabus :-

These guidelines are based on MCI recommendations.

Teaching has to be done keeping in mind the goals and objectives to be achieved by medical student

### 1. GOAL

The basic idea of undergraduate students teaching and training in otolaryngology is that he /she should have acquired adequate knowledge and skills for optimally Dealing with common disorders, emergencies in E.N.T .and basic principles of impaired hearing rehabilitation.

### 2. OBJECTIVES

#### (a) KNOWLEDGE

At the end of course the student shall be able to :

- (1) Describe the basic pathophysiology and common Ear, Nose, Throat diseases and emergencies.
- (2) Adopt the rationale use of commonly used drugs,keeping in mind their side effects
- (3) Suggest common investigative methods and their interpretation.

#### (b)SKILLS

At the end of course ,the student shall be able to:

1. Examine and diagnose common ear ,nose ,throat problems including premalignant and malignant diseases of head and neck.
2. Manage ear ,nose ,throat (E.N.T)problems at the first level of care and be able to refer whenever and wherever necessary.
3. Assist/do independently basic E.N.T. procedures like ear syringing, Ear dressings, nasal packing removal of foreign bodies from nose, ear, throat.
4. Assist in certain procedures like tracheostomy, endoscopies.
5. Conduct CPR (cardiopulmonary resuscitation).
6. Be able to use auroscope, nasal speculum, tongue depressor, tuning fork and head mirror.

#### INTEGRATION

The undergraduate training in E.N.T. will provide an integrated approach towards other disciplines especially neurosciences, ophthalmology and general surgery.

#### LEARNING METHODS

1. Total teaching hours : 70
2. Theory lectures : 48(4th,6th,7th term.)
3. Tutorials : 22(7th term)
4. Clinical Postings Two clinical postings of 4weeks  
First in 4<sup>th</sup> semester and second in 6<sup>th</sup> semester  
Bedside clinics – 8 weeks of three hours per day 144 hours

### Course distribution and Teaching Programme

This is suggested programme and can vary at institute

Total 70 hours of teaching has to be done in ENT including Tutorials

Details of syllabus is given separately below after distribution as per semester

Theory lectures will be taken once a week and their distribution will be as below:

1. 4th term :16(nose and Paranasal sinuses/throat)
    - a. NOSE AND P.N.S. : 10
    - b. THROAT AND NECK: 6
  2. 6th term :16 (Remaining topics of throat, head and neck and / ear)
    - a. THROAT AND NECK: 8
    - b. EAR : 8
  3. 7th term : 16 lectures
    - a. RECENT ADVANCES AND OTHERS : 4
    - b. EAR 12
- Total Theory lectures 48

Tutorials 7th Term 22 hours teaching

**THEORY LECTURES:** 4th, 6th, 7th term (one hour per week)

Topics No.of lectures

Throat

Anatomy/physiology

- Diseases of buccal cavity
  - Diseases of pharynx
  - Tonsils and adenoids
  - Pharyngeal tumours and related
- Topics (trismus, Plummer.Vinson Syndrome etc.) 1

• Anatomy /physiology/examination  
Methods/symptomatology of larynx

- Stridor /tracheostomy
- Laryngitis /laryngeal trauma/  
Laryngeal paralysis/ foreign body larynx/  
Bronchus, etc. 2

- Laryngeal tumours

Nose and paranasal sinuses

- Anatomy /physiology/ exam.
- Methods /symptomatology
- Diseases of ext. nose/cong. Conditions
- Trauma to nose/p.n.s/Foreign Body. / Rhinolith
- Epistaxis

Rhinitis

- Nasal polyps/nasal allergy
- Sinusitis and its complications
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## EAR

- Anatomy /physiology
- Methods/methods of examination
- Cong.diseases/ ext.ear /middle ear
- Acute/chronic supp. otitis media
  - Aetiology, clinical features and its
  - Management/complications
- Mastoid/middle ear surgery
- Otosclerosis/tumours of ear
- Facial paralysis/Meniere's disease
- Tinnitus /ototoxicity
- Deafness/hearing aids/rehabilitation
  - Audiometry

Total teaching Hours	:-	186 Hrs
Didactic Lectures	:-	72 Hrs
Practical	:-	48 Hrs
Tutorials	:-	24 Hrs
Demonstrations	:-	20 Hrs
Presentations	:-	22 Hrs

## 9. Tentative time table

### **Teaching Shedule** **Distribution of Classes of MBBS, Batch-2013, Main (6th Semester) for** **Theory/Practical.** **Month September, 2016**

S. No	Date	Day	Time	Dept.	Classes	Topic
1	02/09/16	Friday	08:30am to 09:30am	ENT	Theory	Quinsy
2	06/09/16	Tuesday	02:30pm to 04:30pm	ENT	Theory	Cleft lip and cleft palate
3	07/09/16	Wednesday	12:30pm to 01:30 pm	ENT	Theory	FB bronchus
4	09/09/16	Friday	08:30am to 09:30am	ENT	Theory	Tracheostomy
5	13/09/16	Tuesday	02:30pm to 04:30pm	ENT	Theory	Benign and malignant lesions of Oesophagus
6	14/09/16	Wednesday	12:30pm to 01:30 pm	ENT	Theory	Nasopharyngeal Ca
7	16/09/16	Friday	08:30am to 09:30am	ENT	Theory	Motility disorders
8	20/09/16	Tuesday	02:30pm to 04:30pm	ENT	Theory	<b>I<sup>st</sup> Sessional Examination</b>
9	21/09/16	Wednesday	12:30pm to 01:30 pm	ENT	Theory	<b>I<sup>st</sup> Sessional Examination</b>
10	23/09/16	Friday	08:30am to 09:30am	ENT	Theory	Nasopharyngeal Angiofibroma
11	27/09/16	Tuesday	02:30pm to 04:30pm	ENT	Theory	<b>I<sup>st</sup> Sessional Practical Examination</b>
12	28/09/16	Wednesday	12:30pm to 01:30 pm	ENT	Theory	<b>I<sup>st</sup> Sessional Practical Examination</b>
13	30/09/16	Friday	08:30am to 09:30am	ENT	Theory	LASERs in ENT

### **Teaching Shedule** **Classes distribution of MBBS, Batch-2012 Detained (7th Semester) Batch for** **Theory/Practical.** **Month- September, 2016**

S. No	Date	Day	Time	Dept.	Classes	Topic
1	02/09/16	Friday	08:30am to 09:30am	ENT	Theory	Thyroglossal Duct cyst
2	06/09/16	Tuesday	02:30pm to 04:30pm	ENT	Theory	Seminar
3	09/09/16	Friday	08:30am to 09:30am	ENT	Theory	Neck Nodes
4	13/09/16	Tuesday	02:30pm to 04:30pm	ENT	Theory	Seminar
5	16/09/16	Friday	08:30am to 09:30am	ENT	Theory	<b>Pre-university examination</b>
6	20/09/16	Tuesday	02:30pm to 04:30pm	ENT	Theory	Seminar
7	23/09/16	Friday	08:30am to 09:30am	ENT	Theory	<b>Pre-university Practical examination</b>
8	27/09/16	Tuesday	02:30pm to 04:30pm	ENT	Theory	Seminar
9	30/09/16	Friday	08:30am to 09:30am	ENT	Theory	Middle Ear Surgeries

**Teaching Shedule**  
**Classes distribution of the MBBS, Batch-2013, Main (6th Semester) for Clinical Posting.**  
**Batch-B**  
**10 August to 9 September 2016**

S. No.	Day	Faculty Name	class
1	Monday	Dr. Rajeev Kumar Nishad	Case Discussion
2	Tuesday	Dr. Rakesh Maran	Case Discussion
3	Wednesday	Dr. Anil Kumar Jain	Case Discussion
4	Thursday	Dr. Aparna Chavan	Case Discussion
5	Friday	Dr. Praveen Kumar	Case Discussion
6	Saturday	Dr. Nilophar Qureshi	Case Discussion

**Teaching Shedule**  
**Classes distribution of the MBBS, Batch-2012 Detained (6th Semester) for Clinical Posting.**  
**Whole Batch**  
**March 2016**

S. No.	Day	Faculty Name	class
1	Monday	Dr. Rajeev Kumar Nishad	Case Discussion
2	Tuesday	Dr. Praveen Kumar	Case Discussion
3	Wednesday	Dr. Anil Kumar Jain	Case Discussion
4	Thursday	Dr. Aparna Chavan	Case Discussion
5	Friday	Dr. Rakesh Maran	Case Discussion
6	Saturday	Dr. Nilophar Qureshi	Case Discussion

**10. Examination & Marking system- At college level & at University level**

At College Level :- Sessional Exam (Theory and Viva- Voce)  
Pre-University Exam (Theory and Viva- Voce)  
Ward Leaving Test (Viva-Voce)  
Total Marks- Theory -10,  
Practical- 10

At University Level :- Theory - 40 Marks  
Practical- 40 Marks

**11. Research papers, publications by the faculty in last three years**

Dr. Anil Kumar Jain. Professor & HOD

1. *Basaloid Squamous Cell Carcinoma of Ear Lobe (Pinna): a rare case with review of literature. Ear , Nose and Throat Journal (Published : Jan.2014 ) (Accepted : Aug. 4, 2010)*  
*ISSN: 0145-5613 P, eISSN: 1942-7522) International*

2. *Role of Vitamin D Supplementation in Allergic Rhinitis. Indian Journal of Allergy, Asthma and Immunology. Jan-June 2014; volume 28, issue 1, page 35-39*

3. Relation of Distortion Product Otoacoustic Emissions (DPOAE) and Tinnitus in Normal Hearing Patients - A Pilot study. Noise and Health March- April 2014, Vol-16, Issue - 69, Page 69-72

4. Endoscope Assisted Removal of Embedded Wooden Foreign Body in Cheek in a Two Year Female – Report of an Unusual Case. International Journal of maxillofacial trauma (Italy) April 2013: 2(1): 23-25. (p-ISSN:2279-9125; e-ISSN 2239-6217)

5. Difficult Case of Middle Ear Foreign Body: An Unusual case report with review of literature. SEAJCRR (South East Asian Journal of Case Reports and Review) May-June 2(3) 2013, page: 178-183. ISSN: 2319–1090--Online

6. Evaluation of Asymptomatic Bacteriuria in Antenatal Women at C.U.Shah Medical College and Hospital , Surendranagar, Gujarat. International Journal of Medical Science and Public Health pISSN:2320-4664 eISSN: 2277-338x

**Dr. Aparna Chavan (Professor)**

1. Tonsillectomy under local anesthesia: safe and effective alternative in rural and tribal area like Adilabad A.P. Dr Aparna Chavan, Dr G N Chavan : The Antiseptic,110,5&P,226-227 May 2013 NATIONAL Indexed : Indmed

2. Clinical epidemiology of epithelial malignancies of head and neck region in first three decades of life , Dr.Aparna Chavan, Dr.G.N.Chavan,Dr.P.T.Deshmukh **International J. of Healthcare and Biomedical Research, Volume: 03, Issue: 01, October 2014, Pages 158-163 ISSN : 2319-7072 Indexed: index Copernicus, Google scholar, Lotus Med international, Idex scholar, DOAJ**

3. study of microbiological spectrum with its antibiotic susceptibility in patients of chronic suppurrative otitis media at RIMS, Adilabad (AP), Dr Aparna Chavan , \*\*Dr Rajhans Nagarkar, \*\*\*Dr GN Chavan International J. of Healthcare and Biomedical Research, ISSN: 2319-7072 Volume: 03, Issue: 01, October 2014, Pages 152-157

ISSN : 2319-7072 Indexed: index Copernicus, Google scholar, Lotus Med international, Idex scholar, DOAJ

4. Effect of Intrathecal Fentanyl on subarachnoid block with 0.5% hyperbaric bupivacaine Gajanan Chavan, Aparna Chavan , Alok Ghosh International J. of Healthcare and Biomedical Research, Volume: 2, Issue: 4, July 2014, Pages 67 -76. ISSN : 2319-7072 Indexed: Index Copernicus, Google scholar, Lotus Med international, Idex scholar, DOAJ

5. Prediction of postoperative out care in high risk obstetric patients posted for surgical procedures- A prospective study at tertiary center. Chavan G., Chavan A. National Journal of medical and dental research. October-December 2015; Volume-4, Issue-1, Page 53-56 Indexed: IndexCopernicus

6.: Spinal Anesthesia as an Alternative to General Anesthesia for Emergency Laprotomies in ASA Grade III and IV Patients. An Observational Study at RIMS, Adilabad, Telangana. Chavan GN1 and Aparna G Chavan2 J Anesth Clin Res 2016, 7:5, ISSN: 2155-6148

7. Efficacy of muscle relaxants in routine treatment protocol of OSMF: Dr. Aparna Chavan and Dr. GN Chavan: A Pilot study Otolaryngology: Open Access, Ref:- Ms. No. Medical Journals-16-226R1

**Dr. Praveen Kumar Thakur- Asstt Professor**

1. Thakur P.A Rare case of Kimura's Disease. Arch cron orofac Sc 2013:1(3):34-36

2. Kulkarni V, Thakur P, Nishad R Osteometal Complex variations and its clinical importance our Experience Archcranorofac Sc 2014, 2(2):121-125

Dr. Rajeev Nishad- Asstt Professor

1. Kulkarni V, Thakur P, Nishad R Osteometal Complex variations and its clinical importance our Experience Archcranorofac Sc 2014, 2(2):121-125

12. Completed & ongoing projects in the department in last three years

2013

1. Management of peritonsillar abscess: comparative prospective study of Needle aspiration and incision and Drainage in Central Indian Population.) Dr.Vikram Kulkarni, Teklal Patel (Asian Journal of Biomedical and Pharmaceutical Sciences, 2013,3: (18) 29-32. (Online).)

Indexd: Copernicus, HINARI

2. Plasma enzymatic anti oxidant levels in non-smoker tobacco consuming oral Sub mucous fibrosis (OSMF). Patel T, Kulkarni V.

IJMRHS. 2013; 2(2):229-232. (Online)

Indexed : Copernicus, HINARI

3. Rare case of Kimura's Disease. Thakur P.A

Arch cron orofac Sc 2013:1(3):34-36.

INDEX: Copernicus

4. Tonsillectomy under local anesthesia: safe and effective alternative in rural and tribal area like Adilabad A.P. Dr Aparna Chavan, Dr G N Chavan : The Antiseptic,110,5&P,226-227 May 2013

Indexed : Indmed

2014

1. Role of Vitamin D Supplementation in Allergic Rhinitis. Jain A.

Indian Journal of Allergy, Asthma and Immunology. Jan-June 2014; volume 28, issue 1, page 35-39.

(ISSN No. 0972-6691).

Indexed - Index Copernicus, Indian Science Abstracts, IndMed

2. Osteometal Complex variations and its clinical importance , Our Experience. Kulkarni V, Thakur P, Nishad R Archcranorofac Sc 2014, 2(2):121-125 (Online).

INTERNATIONAL.

Indexed: COPERNICUS

3. Single flap otoendoscopic myringoplasty for large Central Perforation-A Pilot Study. Kulkarni V, Mittal M International Journal of oto laryngology and Head and Nose Surgery, 2014, 3,161-165. (Online)

INTERNATIONAL

Indexed: ISI WEB

4. Relation of Distortion Product Otoacoustic Emissions (DPOAE) and Tinnitus in Normal Hearing Patients - A Pilot study. Jain A.

Noise and Health March- April 2014, Vol-16, Issue - 69, Page 69-72.

(ISSN:1463-1741).

Indexed- EMBASE/ Excerpta Medica, Index Copernicus, MEDLINE/Index Medicus, Scimago Journal Ranking, SCOPUS, Science Citation Index Expanded, Web of Science

5. Effect of Intrathecal Fentanyl on subarachnoid block with 0.5% hyperbaric bupivacaine Gajanan Chavan, Aparna Chavan , Alok Ghosh International J. of Healthcare and Biomedical Research, Volume: 2, Issue: 4, July 2014, Pages 67 -76

Indexed: Index Copernicus, Google scholar, Lotus Med INTERNATIONAL, Idex SCHOLAR, DOAJ

6. Clinical epidemiology of epithelial malignancies of head and neck region in first three decades of life , Dr.Aparna Chavan, Dr.G.N.Chavan,Dr.P.T.Deshmukh **International J. of Healthcare and Biomedical Research, Volume: 03, Issue: 01, October 2014, Pages 158-163 ISSN : 2319-7072**

Indexed: index Copernicus, Google scholar, Lotus Med international, Idex scholar, DOAJ

7. study of microbiological spectrum with its antibiotic susceptibility in patients of chronic suppurrative otitis media at RIMS, Adilabad (AP), Dr Aparna Chavan , \*\*Dr Rajhans Nagarkar, \*\*\*Dr GN Chavan International J. of Healthcare and Biomedical Research, ISSN: 2319-7072 Volume: 03, Issue: 01, October 2014, Pages 152-157

ISSN : 2319-7072 Indexed: index Copernicus, Google scholar, Lotus Med international, Idex scholar, DOAJ

2015.

1. Prediction of postoperative out care in high risk obstetric patients posted for surgical procedures- A prospective study at tertiary center. Chavan G., Chavan A. National Journal of medical and dental research. October-December 2015; Volume-4, Issue-1, Page 53-56 Indexed: IndexCopernicus

12. Ongoing Projects:

<b>S. No.</b>	<b>Title</b>	<b>Principal Investigator</b>		<b>Co-Investigators</b>	<b>Date</b>	<b>Approval Date</b>	<b>Present Status</b>
							<b>Completed/ Ongoing</b>
1	Teaching ear examination skill to undergraduate student using check list.	Dr. Anil Kumar Jain Professor and Head ENT	ENT	Nil	28.10.15	30.10.15	Completed
2	Surgical anatomy of tympanomastoid segment of facial nerve and its congenital anomalies in cadaveric temporal bones.	Dr. Aparna Chavan, Professor, ENT	ENT	Nil	14.03.16	03.06.16	Ongoing
3	Role of preoperative Nasal Endoscopy in all patients planned for Nasotracheal Intubation	Dr. Anil Kumar Jain Professor and Head ENT	ENT	1. Dr. Rajeev Kumar Nishad, Assistant Professor, 2. Dr. Praveen Kumar Thakur, Assistant Professor, 3. Dr. Sanyogita Jain, Assistant Professor	15.07.16	21.07.16	Ongoing
4	Evaluation of Auditory Functions in Congenitally Hypothyroid Children	Dr. Rajeev Kumar Nishad, Assistant Professor, ENT	ENT	Dr. Praveen Kumar Thakur, Assistant Professor, Dr. Anil Kumar Jain, Professor,	15.07.16	21.07.16	Ongoing
5	Microscopic versus Endoscopic myringoplasty: A comparative study	Dr. Rajeev Kumar Nishad, Assistant Professor, ENT	ENT	Dr. Praveen Kumar Thakur, Assistant Professor, Dr. Anil Kumar Jain, Professor,	15.07.16	21.07.16	Ongoing

13. Number of operation theaters

No. of Operation Theaters :- 01

14. Total beds in the department- Male/female bed distribution

Male Ward :- 25 beds

Female ward :- 15 beds

Total beds :- 40 beds

**15. Specialty clinics & their days**

S. No.	Name of the Clinic	Day	Timings	Clinic in-charge
1	Hearing & Rehabilitation	Monday	09:00 am to 04:00 pm	Dr. Anil Kumar Jain Dr. Rakesh Maran
2	Snoring	Tuesday	09:00 am to 04:00 pm	Dr. Praveen Kumar Thakur
3	Hearing & Rehabilitation	Wednesday	09:00 am to 04:00 pm	Dr. Anil Kumar Jain Dr. Rakesh Maran
4	Head & Neck Cancer	Thursday	09:00 am to 04:00 pm	Dr. Rajeev Kumar Nishad
5	Vertigo Clinic	Friday	09:00 am to 04:00 pm	Dr. Anil Kumar Jain Dr. Praveen Kumar Thakur
6	Rhinology	Saturday	09:00 am to 04:00 pm	Dr. Aparna Chavan

**16. Diagnostic services & Special investigations**

1. PTA
2. Impedance Audiometry
3. OAE
4. BERA
5. ENG
6. Flexible fiber optic laryngoscopy
7. Stroboscopy
8. Nasal Endoscopy
9. Examination under Microscope

17. Facilities:

**Cochlear Implant Programme** run by the Department