**ALL INDIA INSTITUTE OF SPEECH AND HEARING: MYSORE - 6**

**DEPARTMENT OF ENT**

 **ANNUAL REPORT (From 01.04.2017 to 31.03.2018)**

**Preparation and submission of material of Annual report for the**

**Year 2017 -18**

**INTRODUCTION:**

The Department of Otorhinolaryngology is a well equipped, specialized branch of medical sciences offering training, clinical services, research, public education and rehabilitation to patients with communication disorders. It also offers training to B.Sc (speech and hearing ) undergraduates, DHLS & SSA. M.Sc, Audiology & M.Sc, SLP. It is primarily involved in the objectives of the Institute.

**MAN POWER DEVELOPMENT:**

The students pursuing undergraduate course in the institute are taught theory and they observe clinical outpatient procedures in treating patients with communication disorders. The clinical signs and symptoms of patients with communication disorders are demonstrated to the students with aids like microscope, and endoscope. The students are given orientation to work in hospital setup and emphasis is given on multidisciplinary team approach in treatment of patient with communication disorders.

# ACADEMIC ACTIVITIES:

# Orientation / Short-term Training Programs (*For outsiders*) – Nil.

# Clinical Observation Posting of Students from Other Institutes:

# ENT Post Graduates

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl No. | Name of the Student | No. | Course | Institute Name/ Place | Dates |
| 1 | Dr. ASHWATH KASLIWAL | 1 | Short-term training  | J.N. Medical College, BELAGAVI | 10th, 11th & 12th April 2017. |
| 2 | Dr. ANIRUDDH TIWARI | 1 | Short-term training  | J.N.Medical College, BELAGAVI | 8th ,9th & 10th MAY 2017 |
| 3 | Dr. UTHKARSH ANAND | 1 | Short-term training  | J.N.Medical College, BELAGAVI | 5th ,6th & 7th JUNE 2017 |
| 4 | Dr. MADURI M GUDIKOTE | 1 | Short –term training | Institute of Medical Sciences, MANDYA | 10th , 11th & 12th JULY 2017. |
| 5 | Dr. KARTHIKA BHAGAVAN | 1 |  Short-term training  | JNMC College, BELAGAVI | 7th , 8th & 9th AUGUST 2017. |
| 6 | Dr. VISHAL NAIR | 1 | Short-term training | J.N.Medical College, BELAGAVI | 9th, 10th & 11th October 2017.  |
| 7 | Dr. MALASHRI. S.GADADI | 1 | Short-term training | K.L.E University’s BELAGAVI | 9th, 10th & 11th October 2017.  |
| 8 | Dr. KSHITIJA PATHAK | 1 | Short-term training | J.N. Medical College, BELAGAVI | 6th, 7th & 8th NOVEMBER 2017. |
| 9 | Dr. BHAT MANALI. R | 1 | Short-term training | J.N.Medical College, BELAGAVI | 8th, 12th & 13th DECEMBER 2017 |
| 10 | Dr. ASHWINI. B.E.Dr. ANAND KUMAR. S | 2 | Short-term training | MMCRI MYSURU | 11th , 12th & 13th DECEMBER 2017 |
| 11 | Dr. DEEPTHI NAYAK | 1 | Short-term training | MMCRI MYSURU | 20 th, 26th & 27th DECEMER 2017 |
| 12 | Dr. RAJESH. T. S. | 1 | Short-term training | SSIMS RC DAVANGERE | 1st , 2nd & 3rd JANUARY 2018 |
| 13 | Dr. SUHASINI | 1 | Short-term training | J. N. Medical College, BELAGAVI | 8th , 9th & 10th JANUARY 2018 |
| 14 | Dr. ANUU PRIYA | 1 | Short-term training | OTEMETRICSDELHI | 17th JANUARY 2018 |
| 15 | Dr. DIJU PRABHAKARANDr. SHIBUKHAN. M | 2 | Short-term training | SSIMS RC DAVANGERE | 22nd, 23rd & 24th JANUARY 2018 |
| 16 | Dr. B. DEEPTHI | 1 | Short-term training | J.N. Medical College, BELAGAVI | 5th , 6th & 7th FEBRUARY 2018 |
| 17 | Dr. RADHAKRISHNA HAVALDAR | 1 | Short-term training | J.N. Medical College, BELAGAVI | 5th , 6th & 7th MARCH 2018 |

1. **SEMINAR / CONFERENCE / WORKSHOPS CONDUCTED:**

**Department of ENT organized an in-house Workshop Title *“Anatomy of Temporal Bone –Cadaveric Dissection” On 18.11.2017*** at 9.00 am, at the Seminar Hall, Academic Block AIISH, and MYSURU

* **Dr. S Chandrasekhar, M.B.B.S. M.S. -** Prof of surgery & medical superintendent K.R.Hospital MMCRI – Mysuru, was the Chief Guest.
* **Dr. S.R. SAVITHRI, Director** AIISH Mysuru, presided over the function.
* Function Started on Invocation by **Dr. T. M. Mahadevappa**

**Organising Committee:-**

* **Prof. Dr. Rajeshwari. G-** Co-ordinator, Prof. & HOD-ENT & also a Resource Person.
* **Prof. Dr. H. Sundara Raju** – Member & Resource Person of Temporal Bone Cadaveric Dissection work shop held on 18.11.2017.
* **Dr. T. K. Prakash** – Member & Resource Person at Anatomy of Temporal Bone- Cadaveric Dissection workshop held on 18.11.2017
* **Dr. Bhagyashri. K** – Member
* **Dr. Sowmya N Ghosh** – Member
* Staff, Department of ENT AIISH, MYSURU.
* About 33 delegates participated in the Workshop. The Academic Program consisted of Lectures, Live Dissection of Cadaveric Temporal Bone and Discussion.

**SEMINARS /CONFERENCE /WORKSHOPS/ TRAINING PROGRAMS ATTENDED:**

* Dr. G. Rajeshwari- Prof. & HOD-ENT, delivered two lectures in National seminar on ”Vestibular assessment and management” Topic Medical aspects of Vertigo, and Vestibular rehabilitation organised by department of Audiology ***on 6th and 7th April 2017 at Seminar at Hall of the Institute.***
* Mrs. Shakuntala L Gowda- Staff Nurse and Reena Dsouza Staff Nurse – Attended ***workshop*** on”Vestibular assessment and management” organised by department of Audiology ***on 6th and 7th April 2017 at Seminar at Hall of the Institute.***
* Attended - The ***15th (CIGICON-2017)*** Conference which was held at Visakhapatnam between ***02.11.2017 to 04.11.2017 VUDA*** Children Arena Vishakhapatnam included Pre- Conference Workshop, Dissection and valuble invited talks by International faculties. This was unique platform to understand debate, discuss and share new advances, techniques in Cochlear implant Surgery. It also included instructional Courses in Cochlear implant.
* Dr. G. Rajeshwari- Prof. of ENT has been nominated as a **Chairperson** of Public Grievance Committee, from **21.02.2018** on wards. The First Public Grievance Committee Meeting **2017-18** was held on **26.02.2018** in the Dept.of ENT.
* Papers Presented in the Conference is:
* Dr. H. Sundara Raju – Prof. of ENT & Dr. T. K. Prakash- Reader & HOD-ENT – Attended Cochclear Implant in Anamolus Cochlear at Sagar Hospital Bengaluru, held from 22nd February to 24th February 2018 at Bengaluru.
1. NIITE Voice Assessment & Therapeutics’ Conference – Vide Stroboscopic Analysis of Glotic and Supra – Glotic characteristics insulcus Vocalies- Poster Presentation By Dr. T. K. Prakash and Team.
2. Pharmacological and Therapeutic Management of Vocal Fold ‘’’ECTASIA” as case study- Paper Presented by Dr. T. K. Prakash and Team. On 22nd & 23rd Februay 2018.
* Dr. H. Sundara Raju – Prof. of ENT & Dr. T. K. Prakash- Reader & HOD-ENT – Attended RCI Sponsored CRE Programme and National Conference on Voice Care & Laryngectomy Rehabilitation held from 22nd February to 24th February 2018 at Bengaluru.
* Dr. Bhagyashri. K – Attended a Workshop on ***“Head and Neck and Hands on Cadaveric Dissection “on*** 23rd, 24th &25th March 2018 at Sri. Devaraja Urs College- KOLARA.
* Papers Presented in the Conference is- One at NITTE RCI-CRE National Workshop by Dr. T. K. Prakash and Team on 23rd February 2018.
1. **Staff Enrichment/ Inhouse training Programmes (*For own Staff members*)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **Date** | **Name of the person Provided Training** | **Name of the Trainee** | **Training** |
| 1 | **12.05.2017** | Mrs. Uma Rosalind Monica – Staff Nurse | **House Keeping Staff:**1. Mr. Sandeep
2. Mrs. Geetha. M.K.
3. Mr. Prakash. S
4. Mrs. Pushpa
 | Bio-Medical waste Management |
| **2** | **22.12.2017** | Dr. T. K. Prakash | Mrs. Shakuntala L Gowda | Provided Training for assisting Steptoplasty Surgical Procedure.  |
| **3** | 18.01.2018 | Reena D’ Souza | Jagadisha . M | Provided Training in Cleaning the Suction apparatus, arranging the Consultation Room and Positioning the patient (Pediatric & Adults) for Microscopic and Diagnostic Procedure.  |

1. **GUEST LECTURES Nil**
2. **Additional Academic Services rendered by the Faculty and Staff:**
* **Dr. G.Rajeshwari** – Professor of ENT hold the additional responsibility of Liason Officer at the Institute.
1. **Invited Talks**
* Dr. T. K. Prakash – Reader in ENT – Delivered a talk in RCI –CRE National Workshop on Professional Voice Assessment in October 2017.
1. Curriculum Development – Nil
2. Development of Materials to Support Learning – Nil
3. Service in Academic bodies of other Organizations – Nil
4. Participation in Committees/ Taskforces and Panel set up by other organizations/ agencies – Nil
* Any other (Please specify):
1. **Research Activities:**
2. **Exramural Research Projects:**

Dr. H. Sundara Raju Co- Investigator for:

* ***“Feedback control in individuals with stuttering”*** – Funds Under DST– On going
* Comparison of normal and Pathology of middle ear using multifrequency tympanometry – AIISH Research Fund – On going.
1. Completed in 2017-18
* ARF New Project ***“Effect of canal widening (Type I Tympanoplasty) “on Hearing “Sensitivity”*** has been approved as Dr. T.K. Prakash as PI and Dr. H. Sundara Raju as CI from the Department of ENT- Completed in April 2017.
1. **New Projects initiated in 2017-18**
	1. Establishment of Temporal Bone Dissection Lab.
	2. Establishment of Tinnitus Clinic
	3. Establishment of State of art facility O.T with ICU and Inpatients Facility
	4. Establishment of a Phonosurgical Unit.
	5. Surgical training Center for Young Surgeons Pursuing ENT as a Career.

iii Ongoing :

* Dr.T. K. Prakash – Reader in ENT – is accepted as a Co-guide for MS (ENT) Student dissertation Topic ***“Pre and post stroboscopic evaluation of Benign lesions of Larynx-*** Completed in 2017
1. Postgraduate Research- Completed- 1
2. Postgraduate Research –Ongoing-Nil-
3. Research Papers presented at National/ International Conferences/ Seminars (*in APA format*)
4. Research Papers Published in ( *in APA Format*)
5. Papers Published in National/ International Journals-Nil-
6. Papers Published in Conference/ Seminar Proceedings-Nil-
7. Books Published ( *in APA format*) - Nil
8. G. Book chapters Published in (*in APA format*)-Nil
9. H. Books/ Manuals / Seminar Proceedings edited -Nil
10. Journal Editorship- Nil
11. Scholaryly Reviewing Activities - Nil
12. Journal Articles
* ***“Effects of altered Auditory and Oro-Sensory Feedback on Speech Naturalness in persons with and without Stuttering”-*** Dr. H. Sundara Raju is a Co-Author

JAIISH (2017) Vol. 36, PP 12-19

* ***“The Cerebral Dominance and Laterality Preference in Adults with Persistent Developmental Stuttering” –*** Dr. H. Sundara Raju is a Co-Author

JAIISH (2017) Vol. 36, PP-20-26.

* **Dr. Sowmya N Ghosh-** ENT Surgeon, has published Research Article ***“Landau-Kleffner Syndrome: A Rare Case Report”* in International Journal of Advanced Research (IJAR)** Published in **November 2017.** Article **DOI: 10, 31474/IJARO1/5621. Co-Authors: Dr. H.Sundara Raju- Prof. in ENT, Dr. G. Rajeshwari- Prof. & HOD-ENT, Dr. T.K. Prakash-Reader in ENT & Dr. Abhilash ENT Surgeon, Department of Otorihinolaryngology, AIISH, Mysuru-570 006,**
* ***“Audiological Evidences of efficacy of mucolite therapy in patients with serous otitis media”*** IJAR article DOI10.21474/IJAR01/6028 December 2017. ISSN 23205407- Published in International in By Dr. T. K. Prakash- Reader in ENT
* **Dr. T. K. Prakash- Reader in ENT- Author, Dr. Abhilash. S-** ENT Surgeon and Dr. H. Sundara Raju – Prof. of ENT (2017 Jul) ***Multifocal presentation of a Laryngeal Disorder*** Journal of Clinical & diagnostic research (JCDR) ISSN-0973-709X J Clin Diagn Res. 2017 Jul; 11(7): MDO1-M DO2 Published online 2017Jul 1 doi 10.7860/JCDR/201727208.10130
* As Co-Author Abhilash Shambulingegowda, **prakash tumkur kumaraswamy,** sundara raju huchaiash, rajeshwarigovindaswamy, **(2017) *primary laryngeal tuberculosis mimicking as supraglottic malignancy.***journal of evolution of medical & dental sciences (JEMDS) 2017;6[20]:00-00, DOI:1014260/Jemds/2017/0000.
1. Conference Papers- Nil
2. Research Projects

**III) Clinical Services:**

1. **GENERAL CLINICAL SERVICES:**
* The department of otorhinolaryngology offers diagnostic services to Various ear, nose and throat diseases. On an average about 50 microscopic examinations and 10 endoscopies are done every day. The department offers diagnostic, therapeutic, surgical treatment to about 150 patients per day. Minors procedure like suction clearance of ear discharge, removal of foreign bodies, removal of wax etc, chemical cauterization,
* Endoscopic evaluation of voice, evaluation of vertiginous patients on conducting and main activities of the department.
* The department of ENT, AIISH is running a separate unit (AIISH, ENT ‘D’ unit) at K.R Hospital attached to Mysore Medical College.
* OPD on every Thursday
* O.T. on every Friday
* Major surgeries, minor surgical procedures and emergency surgeries are done at KR Hospital. Inpatient facilities are being provided at KR Hospital for AIISH patients,
* ENT ‘D’ unit, with 20 bedded facility. Patients at the Institute who need surgery are evaluated and operated at K.R. Hospital.

**STATISTICS FROM 01.04.2017 TO 31.03.2018**

|  |  |
| --- | --- |
| **Total No. of cases seen in the Department of ENT & Clinical Services., AIISH** | **Total No. of cases seen in the** **K.R. Hospital** |
| New Cases **18,155**Follow up Cases **21,152** **Total** **38,307** | New Cases **11,573**Follow up Cases **10,680** **Total**   **22,253** |

 **Total No. of operation done at K.R. Hospital**

|  |  |
| --- | --- |
| **Major Operations** | **Minor Operations** |
| **098** | **311** |

No. of Microscopic Examination – : 6659

No. of Stroboscopy/ Endoscopic Examination - : 238 :

No. of Oto Endoscopy Examination - : 52

No. of Diagnostic Naso Endoscopy Examination - : 19

 No. of Vertigo cases Examination (Special Clinics) : 97

No. of Vertigo Follow up Cases – : 387

**Clinical Support Services to Patients and Family**

**Details of Certificates Issued: No. of Beneficiaries.**

Handicapped Certificate (Pension) – : 1393

Railway Concession Certificate – : 322

Medical Certificate - : 077

**DIAGNOSTIC WISE STATISTICS FOR THE YEAR FROM 01.04.2017 TO 31.03.2018.**

|  |  |  |  |
| --- | --- | --- | --- |
| **SL. No** | **DIAGNOSIS** | **NO. OF FOLLOW-UP CASES** | **NO. OF NEW CASES** |
|  | **CSOM** | 5073 | 2919 |
|  | **SN HL** | 3316 | 3291 |
|  | **DSL / HL** | 2444 | 1527 |
|  | **ASOM** | 917 | 631 |
|  | **SOM** | 484 | 358 |
|  | **AOM** | 340 | 285 |
|  | **OTOMYCOSIS** | 541 | 372 |
|  | **MR/ DSL** | 72 | 77 |
|  | **WAX** | 1794 | 1432 |
|  | **ATRESIA/ MICROTIA** | 59 | 42 |
|  | **KERATOSIS OBTURANS** | 53 | 40 |
|  | **REFERRED OTALGIA** | 99 | 117 |
|  | **TINNITUS** | 474 | 542 |
|  | **VERTIGO** | 310 | 2266 |
|  | **BPPV** | 166 | 111 |
|  | **MENIERE’S DISEASE** | 184 | 106 |
|  | **OTITIS EXTERNA(FURUNCULOSIS,DERMATITIS)** | 418 | 415 |
|  | **EUSTACHIAN CATARRAH** | 417 | 436 |
|  | **OTOSCLEROSIS** | 73 | 56 |
|  | **PRESBYACUSIS** | 543 | 489 |
|  | **DOWN’S SYNDROME**  | 76 | 59 |
|  | **HAEMATOMA AURIS/ PERICHONDRITIS** | - | - |
|  | **SCREENING FOR HL** | 828 | 1366 |
|  | **PRE AURICULAR SINUS** | 30 | 15 |
|  | **FOREIGN BODY EAR** | 91 | 127 |
|  | **TRIGEMINAL NEURALGIA** | 1 | - |
|  | **TEMPAROMANDIBULAR JOINT ARTHRITIS** | 86 | 104 |
|  | **VASCULAR HEADACHE** | 4 | 02 |
|  | **DSL** | 162 | 148 |
|  | **CLEFT PALATE** | 28 | 21 |
|  | **CLEFT LIP** | 14 | 11 |
|  | **LARYNGITIS** | 45 | 47 |
|  | **PHARYNGITIS** | 55 | 60 |
|  | **ANKYLOGLOSSIA** | 59 | 66 |
|  | **V. C. NODULES** | 38 | 30 |
|  | **GLOTTIC CHINK** | 37 | 28 |
|  | **PUBERPHONIA** | 28 | 26 |
|  | **V. C .PALSY** | 47 | 30 |
|  | **V. C .POLYP** | 56 | 32 |
|  | **V.C.PAPILLOMA** | **-** | **-** |
|  | **REINKIE’ S OEDEMA** | 18 | 16 |
|  | **CARCINOMA LARYNX** | 9 | 7 |
|  | **SPASTIC DYSPHONIA** | 23 | 15 |
|  | **TONSILLITIS** | 65 | 74 |
|  | **PALATAL PALSY** | - | - |
|  | **STUTTERING** | 32 | 71 |
|  | **MISARTICULATION** | 109 | 122 |
|  | **LARYNGEAL WEB** | 03 | 1 |
|  | **APTHOUS ULCER** | 10 | 5 |
|  | **DNS** | 99 | 110 |
|  | **RHINITIS** | 83 | 79 |
|  | **SINUSITIS** | 82 | 100 |
|  | **UPPER-RESPIRATORYTRACT INFECTION** | 130 | 124 |
|  | **TRAUMATIC TYMPANIC PERFORATION** | 100 | 100 |
|  | **SSN HL** | 123 | 95 |
|  | **Voice Evaluation** | 167 | 232 |
|  | **GERD** | 35 | 31 |
|  | **MISCELLENOUS(,NOT FOUND,NAD)** | 608 | 1277 |
| **TOTAL** | **21,152** | **18,155** |

1. No. New Cases seen in ENT & Cli. Serives - : **18,155**
2. No. of Follow up Cases seen in ENT & Cli. Services - :  **21,152**

 **Total No. of Cases seen : 38,307**

1. **Specialized Clinical Services of the Departments**:
2. **VERTIGO CLINIC:**

**The department of ENT AIISH, Mysore, provides a comphrensive care in evaluation and management of patients with Vertigo. The team comprises of ENT Surgeons, Neurologist, Audiologist, and Staff Nurse. The vertigo clinic was started in October 2010. It is run regularly on Wednesdays about 4 patients are evaluated. The beneficiaries are all patients with peripheral and central vertigo. A Total No. of 227 patient were evaluated at the clinic and were offered Medical and surgical management as needed. At this clinic the patient are offered the following services:**

**1. Microscopic examination of the Ear**

**2. Vestibular spinal tests**

**3. Electro Nystagmography**

**4 Video Nystagmography**

**5. Neurological evaluation**

**6. Audiological tests & VEMP**

**7. Medical management**

**8. Surgery**

**1). Dr. T. K. Prakash, Reader in ENT is the Member of Voice Clinic**

**2 ) Dr. T. K. Prakash, Reader in ENT is the Member of Professional Voice Care Clinic**

**3) Dr. T. K. Prakash Reader in ENT is the incharge of Vertigo Clinic from 01.04.2017 to 31.12.2017 and Dr. H. Sundara Raju- Prof. of ENT is the incharge of Vertigo Clinic from 10.01.2018 on wards.**

**IV) Extension Activities**

1. **Rehabilitation and Education through distant mode: Nil**
2. **Prevention of communication Disorders**: NIL.

**C) Communication disorders screening** **CAMPS:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Camp attended by the Doctor** | **Camp Place** | **Date** | **No. of cases evaluated** |
| 1 | Dr. Bhagyashri. K | Udigala & Kothalvadi PHC Chamarajanagara Taluk & District. |  08.05. 2017 | 133 |
| 2 | Dr. Sowmya N Ghosh | Udigala & Kothalvadi PHC, Chamarajanagara Taluk & District  | 09.05.2017 | 193 |
| 3 | Dr. Bhagyashri. K | Cikkabyadarahalli, Pandavapura Taluk, Mandya District | 16.05.2017 | 124 |
| 1 | Dr. BHAGYASHRI. K. | Port Blair, Andaman & Nicobar Islands. . | 10th & 11th FEBRUARY 2018. | **239** |

**D) Orientation Programmes**: **NIL**

**E) Public Lecture Series**: **NIL**

**V) TECHNOLOGICAL CONSULTANCY SERVICES: NIL**

**VI) CENTRAL FACILITIES: NIL**

1. RE-BE 2017-18 & 2018-19 was prepared soft copy and hard copy sent in the month of July 2017 on 31.07.2017.
2. Dept. Of ENT Stock verification of instruments and furniture for the year 2017-18 list is under process.

**X) Eminent Visitors**: -

**XI) ANY OTHER:**

1. Hepatitis B Vaccination programme was conducted on **15.05.2017** in the Dept. of

ENT.

1. ***8th Internal ISO Audit*** was held in the Dept. of ENT on **17.05.2017 at 2.00 pm**.
2. Ms. Reena D’ Souza – Staff Nurses was deputed for BASLP CET Examination held

On **27.05.2017** from the Dept. of ENT Nursing assistance.

* The following Staff of the Dept.of ENT, for Preparation of Peer Evaluation work was assigned in the September 2017 to:
1. Mrs. Shakuntala L Gowda – Staff Nurse
2. Ms. Reena D’ Souza – Staff Nurse
3. Mr. B. Gopal, - UDC
* The following Staff of the Dept.of ENT, for Preparation UGC of Deemed University for Preparation of PPTS and other typing work was assigned to:
1. Mrs. Shakuntala L Gowda – Staff Nurse
2. Ms. Reena D’ Souza – Staff Nurse
3. Mr. B. Gopal, - UDC
* Staff Nurses Mrs. Sahkuntala L Gowda and were deputed for preparation of PPTs NPPCD program datas for the presentation of Doctors.
1. **Superannuation of ENT Staff:- Nil-**

 **Dr. T. K. Prakash**

 **Reader & HOD-ENT**

**ALL INDIA INSTITUTE OF SPEECH AND HEARING: MYSORE - 6**

**DEPARTMENT OF ENT**

SH/ENT/EN/F1/10/2017-18  **Date: 09.04.2018**

**Submitted to the Director:**

Respected Madam,

 Sub: Preparation and submission of draft material

 For Annual Report 2017-18.

Ref: SH/LIC/AR/2017-18 dated 22.03.2018.

 With reference to the above subject and reference cited, we are submitting the draft

Material for Annual Report 2017-18.

 Thanking you,

  **HOD-ENT**