

## OTORHINOLARYNGOLOGY DEPARTMENT

### 1.INTRODUCTION

The Otorhinolaryngology Department, popularly known as the ENT Department, has been relentlessly growing in quality and strength. In fact, the NAAC team of inspectors, as far back as March 2006, observed that the department has been doing commendable work. However, the ENT Department had a humble beginning in 1988-89 with basic infrastructure to treat ENT diseases and to train just 100 under graduate students. It has been a steady and giant-paced gallop on the path of progress ever since then.

Today, the ENT and Head & Neck Department, among others, is one department that has registered all-round development. It is fully equipped to meet the diverse needs of the patients who seek treatment for their ear, nose, throat and head & neck related diseases.

The Otorhinolaryngology Department, along with the institution, is affiliated to Rajiv Gandhi University of Health Sciences Karnataka till 2010-11, and then onwards to Sri Devaraj Urs University, a Deemed-to-be University, in Kolar. The curriculum and study programme is as per the syllabus framed by RGUHS/Sri Devaraj Urs University.

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[back to top](#)

### 2.PROGRAMMES OFFERED

The ENT Department prepares under graduate students to write the ENT part of the MBBS examination conducted by Rajiv Gandhi University of Health Sciences Karnataka/ Sri Devaraj Urs University. The teaching programme is so tailored that the prospective doctors gain sufficient skills and confidence to treat patients once they go out of the campus. The Medical Council of India (MCI) has permitted an intake of 150 students per admission season.

For postgraduate courses MS and DLO as approved by MCI, admission is limited to four candidates in MS and two candidates in DLO.

Sri Devaraj Urs University has started the two-year **Fellowship Programme in Head & Neck Oncology** from the 2011-12 academic session. The basic qualification to gain eligibility for the programme is MS in ENT. The first batch has completed the course successfully.

The curriculum and teaching programme for postgraduate students has been prepared and implemented as per RGUHS/Sri Devaraj Urs University guidelines.

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[back to top](#)

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### **3.FACILITIES**

The spacious, well-ventilated Out Patient Section can accommodate four patients at a time. The patient examination cubicles are in fact so roomy that even minor surgical procedures, if need be, can be conducted there. However, there is a separate Operation Theatre for doing Minor Procedures also. Various surgeries of ear, nose, throat, head and neck, ranging from the simple to complex, are done at the built-to-specification Operation Theatre by professionally qualified and competent surgeons. The success rate of the surgical operations done here is comparable to the very best elsewhere. However, cost of surgery here is almost 30 per cent of what it would be in a city hospital. No wonder, seldom a need arises to refer a patient to bigger city hospitals for consultation or treatment. The motto of the department, in keeping with that of the hospital, is: **Quality health care at an affordable price.**

The ENT and Head & Neck Department provides diagnostic and curative procedures like FESS, Pan Endoscopies, Audiometry and OAE, Tympanometry, Micro-Ear and Head & Neck Cancer Surgeries.

The made for each other combination of excellent infrastructure matched with human resources with enviable credentials and rich experience has made ENT and Head & Neck an exemplary department.

The department provides round the clock treatment and care to inpatients as also to meet emergencies.

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[back to top](#)

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### **4.HEAD OF THE DEPARTMENTS**

Sl. No	Name	D.O.J	D.O.R
1	DR. C.M. GURUMURTHY	17-12-1986	31-07-1992
2	DR.NITHYA SHEELAN	01-08-1992	30-06-1993
3	DR.N.S.DE	01-07-1993	31-05-1999
4	DR.INDRA NARASIMHAN	01-11-1999	31-10-2009
5	DR. G. K. NARAYANA	01-11-2009	02-04-2012
6	DR THOMAS PRASANNA RAJ	03-04-2012	31-07-2012
7	DR.S.M. AZEEM MOHIYUDDIN	01-08-2012	Till date

The Medical Council of India and the Rajiv Gandhi University of Health Sciences Karnataka/ Sri Devaraj Urs University have recognized the ENT Department as PG Centre. Presently we have 14 PG students who work as Junior Residents.

## **5.PUBLICATIONS**

- (a) ' child with a very large concha bullosa on one side of the nose' in ENT news of U K-DEC 2005
- (b) Thomas Prasannaraj, Girtsh. Unusual cause for unilateral nasal obstruction in a child. International journal of pediatric otorhinolaryngology 2005
- (c) Thomas Prasannaraj, N S De, Indira Narasimhan. Aural polyps: safe or unsafe disease? American journal of otorhinolaryngology - 2003
- (d) Dr. S. M. Azeem Mohiyuddin Extensive Deep Neck Space Abscess Due to Beta-Haemolytic Group G Streptococci ` A Case Report; Indian Journal of Medical Microbiology, 2004 (jointly with A Malini, K N Brahmadathan and S R Prasad)
- (e) Thomas Prasannaraj et al . Foreign Bodies in the aerodigestive tract – A clinical study of cases in the coastal belt of south India. American journal of otorhinolaryngology; 2006,
- (f) Thomas Prasannaraj ,Shivaprakash K V . Significance of adjunctive mitomycin C in endoscopic dacryocystorhinostomy . American journal of otorhinolaryngology; 2006
- (g) Cochlear sequestrum : An unusual complication of a common disease. Indian journal of otolaryngology and head and neck surgery, 2006
- (h) Azeem Mohiyuddin. Involvement of TSC genes and differential expression of other members of the mTOR signaling pathway in oral squamous cell carcinoma. Bio Medical Central Publishing , June 2008 pg 1-12 B: 163
- (i) Venkatesh U, Vinaya Babu S. Lateral sinus thrombosis – A diagnosis still persisting. Indian Journal of Otolaryngology 2010
- (j) Vinaya Babu S, Azeem Mohiyuddin, I Narasimhan, Narayana G K, Venkatesh U and P G Nair. Emergency Tracheostomy – A six year experience of a rural tertiary hospital. The Internet journal of Otorhinolaryngology. 2010 Vol 12 Number 1

(k) Azeem Mohiyuddin, Sagayaraj, Shuaib Merchant, Oomen and Philip John. Electromyographic assessment of accessory nerve function following nerve sparing neck dissection. International Journal of Head and Neck Surgery, Jan-Apr 2013 vol 4 pg – 19-23

(l) Azeem Mohiyuddin, Sagayaraj, Shuaib Merchant and P Arun. Interesting clinical presentation of myxoid liposarcoma of oropharynx. International Journal of Head and Neck Surgery, Jan-Apr 2013 vol 4 pg – 57-58

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[back to top](#)

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## **6.RESEARCH**

1. **Efficacy of Low Dose of Intratympanic Gentamicin Injection in Meniere’s Disease** Dr Indira Narasimhan and Dr Vinaya Babu S
2. **Study of Intra-operative Neck Staging Using Sentinal Node Biopsy in Squamous Cell Carcinoma of Oral cavity-** Dr Azeem Mohiyuddin S M and Dr Sagayaraj A
3. **Dr.VinayaBabu - Role of Otoendoscopes as an adjunct tool in canal wall up mastoidectomy for cholesteatoma**

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[back to top](#)

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## **7.HIGHLIGHTS**

The University examination results of both under graduate and post graduate examinations are UG 96 to 98% and PG-100% - have been consistently and exceptionally good. The Under Graduate & Post Graduate students of this department have won several **Gold Medals for ENT:**

### **OUR GOLD WINNERS: PG**

- **Dr E SURESH - Scored HIGHEST MARKS IN DLO , RGUHS- 2003**
- **Dr ANUJA DESHMUK - GOLD MEDAL MS, RGUHS- 2004**

- Dr PRAVEEN KUMAR - GOLD MEDAL
- Dr ANUJA DESHMUKH - QUIZ FOR PGs- 2004
- Dr NAVEEN KUMAR - II PRIZE , PG- PAPER, AOI K CONFERENCE- 2005
- Dr NAVEEN KUMAR - GOLD MEDAL MS, RGUHS- 2006
- Dr ROHIT RANGANATH - SILVER MEDAL
- Dr MYNA - QUIZ FOR PGs- 2008

#### OUR GOLD WINNERS: UG

1. NITIN BHANOT - GOLD MEDAL, BANGALORE UNIVERSITY
2. SHARATH S J - AOIB UG QUIZ GOLD MEDAL-2001
3. RAFIQ AHMED - AOIB UG QUIZ GOLD MEDAL-2002
4. U G STUDENTS - GOLD MEDALS IN UG QIZ-2004
5. U G STUDENTS - GOLD MEDALS IN UG QIZ-2008

First it was the ISO team that calibrated Otorhinolaryngology Department, along with the institution, and certified it.

Then it was the turn of the NAAC Peer Team to put the functioning of the Department under the microscope and propose a toast to the Department. In fact the NAAC Peer Team was unambiguous and vocal in its appreciation of the Otorhinolaryngology Department

The appreciation heaped on us made us feel elated. However, at the same time, it made us more conscious of our responsibilities. The entire department rallied as one person, and rededicated itself to take the department to further peaks of glory!

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[back to top](#)

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#### FACULTY ATTAINMENTS

##### DR.AZEEM MOHIYUDDIN S.M.

- FACULTY: HEAD & NECK ONCOLOGY STATE CONFERENCE-2003
- AOI STATE CONFERENCE , MYSORE:LOCALLY ADVANCED THYROID MALIGNANCY-A SURGICAL CHALLENGE , BEST PAPER AWARD-2004
- VOICE CONSERVATION SURGERY IN ADVANCED LARYNGEAL MALIGNANCY-SDUMC-2004  
HEAD & NECK ONCOLOGY STATE CONFERENCE- 2005

- PANALIST, CHAIRPERSON:
- FACULTY FOR BASIC LIFE SUPPORT HANDS ON WORK SHOP, AT SDUMC-2005 HEAD & NECK ONCOLOGY NATIONAL CONFERENCE-2006
- AOI STATE CONFERENCE, BELGAUM :LOCALLY ADVANCED THYROID MALIGNANCY-A SURGICAL CHALLENGE , BEST PAPER AWARD-2006
- HEAD & NECK FOUNDATION WORKSHOP UDAIPUR-2006
- SPEAKER: CME ON PAEDIATRIC ONCOLOGY: SDUMC-2006
- FACULTY: MMC, THYROID SURGERY-2007
- AOI NNATIONAL CONFERENCE LUCKNOW: NEAR TOTAL LARYNGECTOMY-2007
- ATTENDED THE 3RD INTERNATIONAL CME ,HEAD & NECK ONCOLOGY AT TRIVANDRUM “ 2008
- ATTENDED THE FACULTY DEVELOPMENT PROGRAMME CONDUCTED BY SRI RAMACHANDRA MEDICAL COLLEGE AT CHENNAI, IN SEPTEMBER 2008.
- PANALIST,AMRITHA INSTITUTE ON THYROID MALIGNANCY-2009

**MEMBERSHIP OF ACADEMIC BODIES:**

- AOI BANGALORE - LIFE MEMBER
- HEAD & NECK ONCOLOGY - LIFE MEMBER
- WAS CHAIR PERSON SPORT COMMITTEE-SDUMC
- MEMBER C M E- UNIT ,SDUMC

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[back to top](#)

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**Dr Khaja Naseeruddin**

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[back to top](#)

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**Dr Vinava Babu S**

**PAPERS PRESENTED**

- AOI state conference: Seasonal variation in sinonasal Mucormycosis fact or fiction?
- AOI state conference Davanagere: Nasal Leprosy 2008
- Dr Vinaya Babu was an observer for Cochlear Implant surgery by Dr Kirthane at Bombay for a month
- Attended Indo- US Emergency Summit at Mangalore-2008
- Attended Smart Fess work shop at Pandicherry-2009.

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[back to top](#)

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**Dr Sagavaraj A:**

- Attended Temporal bone workshop at KKr Institute, Channi-2009
- Attended Hands on Skull Base Anatomy workshop at Manipal Hospital-2009

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It is mandatory that the Post Graduate Students have to attend workshops and present papers in state & national conferences by rotation. Each post graduate has presented at least six papers during their PG period, apart from attending various ENT- workshops. Quite a few former PG students after finishing their degree/diploma have gone abroad, acquired further qualification and are thriving in their field of specialization. Further at least five members of the teaching staff from this department went abroad for further studies, achieved their objectives and doing well there.

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[back to top](#)

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**DISSERTATIONS**

**COMPLETED RESEARCH PROJECTS**

1	Dr Mohan Kumar V	Analysis of Etiopathological Factors of Oral Malignancy in a Rural Set-up	Dr N S De
2	Dr Harshavardhan N	Foreign Bodies in the Aero-Digestive Tract	Dr Indira N

3	Dr Narendranath	Correlation of Radio diagnostic Imaging of Nose & PNS with that of Endoscopic Findings	Dr Indira N
4	Dr Mohammed N A	Pre- and Post-operative Audiometric Evaluation of Patients with CSOM Undergoing Tympanoplasty	Dr Indira N
5	Dr Praveen Kulkarni	Comparative Study of Supraomohyoid Neck Dissection & Functional Neck Dissection in Locally Advanced Oral CA	Dr Indira N and Dr Gopinath
6	Dr Anuja Deshmukh	Study of Oncological Outcome in T2, T3 Oral CA Undergoing Marginal and Hemi-mandibulectomy	Dr Indira N and Dr Gopinath
7	Dr Praveen Kumar	The Role of Mitomycin-C in Endoscopic Dacryocystorhinostomy	Dr Indira N and Dr Thomas P Raj
8	Dr Vinaya Babu	Efficacy of Low Dose of Intratympanic Gentamicin Injection in Meniere's Disease	Dr Indira N and Dr Narayana GK
9	Dr Vijay Kumar K	Mastoid Obliteration versus Open Mastoid Cavity	Dr Indira N
10	Dr Vijay P	A Clinicopathological study of Polypoidal Masses in the Nose	Dr Narayana G K
11	Dr Vishwanath	Usefulness of Supraspinal Accessory Lymph Node Clearance in Squamous Cell CA of Head & Neck	Dr Indira N and Dr Azeem S M
12	Dr Naveen	Comparison of Post-tympanoplasty Hearing Between Autograft Ossicle and Homograft Cartilage	Dr Narayana G K
13	Dr Myna	Study of Intra-operative Neck Staging Using Sentinel Node Biopsy in Squamous Cell Carcinoma of Oral Cavity	Dr Indira N
14	Dr Rohit R	Study of Ossicular Defects in CSOM Attico-antral Type	Dr Narayana G K
15	Dr Anil M	A Clinical Study of Foreign Bodies in Paediatric Tracheo-bronchial Tree	Dr Thomas P Raj
16	Dr Kiran B	A Comparative Study of Early and Late Tracheostomy in Patients Requiring	Dr Azeem S M



		<b>Prolonged Tracheal Intubation</b>	
17	Dr Manpreet Singh N	<b>Role of Neo adjuvant chemotherapy in Locoregionally advanced oral cavity cancers</b>	Dr Azeem S M
18	Dr Afzal V P	<b>Hearing Results Following canal wall down Mastoidectomy in AAD</b>	Dr G K Narayana
19	Dr Oommen M G	<b>Electromyographic assessment of Spinal accessory Nerve functions following nerve sparing neck dissections.</b>	Dr S M Azeem Mohiyuddin
20	Dr Ramasubba Reddy	<b>Role of Pentoxifylline in oral Sub mucous Fibrosis</b>	Dr Thomas P Raj
21	Dr Muhamed Saheer	<b>A study to compare the outcomes of conventional vs endoscopic septoplasty</b>	Dr G K Narayana
22	Dr Winson Idicula	<b>Significance of cortical mastoidectomy in tubo tympanic disease</b>	Dr Thomas Prasanna Raj
23	Dr Lakshmi menon.R	<b>Nasal endoscopic evaluation of patients presenting with frontal headache</b>	Dr G K Narayana
24	Dr.Kouser Mohammadi	<b>Evaluation of central compartment lymphnodes in well differentiated thyroid malignancies for metastasis</b>	Dr S M Azeem Mohiyuddin
25	Dr.Shilpa.R	<b>Evaluation of posterior triangle and supraclavicular lymph nodes for metastasis in patients with oral cancers with N1 neck</b>	Dr G K Narayana
26	Dr.Samdani Nawaz.A	<b>Can inflation – deflation test predict aditus patency in tubotympanic disease ? A prospective study</b>	Dr Vinaya Babu S

**ONGOING RESEARCH PROJECTS**

1	Dr.Manaswini.R	Evaluating usefulness of 5 – aminolevulinic acid induced fluorescence to guide biopsy of oral cancers and pre malignant lesions	Dr S M Azeem Mohiyuddin
2	Dr.Philip John.K	Nasal packing vs transfixation sutures in septoplasty : a comparative study	Dr Vinaya Babu S
3	Dr.Sheetal.K	Age related hearing loss among diabetic patients	Dr Khaja Naseeruddin
4	Dr.Rijo M jayaraju	A clinical study of maxillofacial injuries in road traffic accidents	Dr Sagayaraj A
5	Dr.Abhishek C. Nayak	Prospective observational study of ontological trauma	Dr Khaja Naseeruddin
6	Dr.Harshita T R	Impact of tumor thickness and depth of invasion in predicting cervical lymph node micrometastasis in malignancy of buccal mucosa	Dr S M Azeem Mohiyuddin
7	Dr.Shreyas	Comparitive study between the dry and freshly harvested wet temporalis fascia graft in tympanoplasty	Dr Vinaya Babu S
8	Dr.Arun P	Efficacy of curcumin as a radiosensitizer and in minimizing mucosal damage in patients receiving radiotherapy for head and neck squamous cell cancers	Dr Sagayaraj A