Evaluative Report of the Department of ENT, UCMS (April 2010 to March 2016)

1. Name of the Department –
   Department of Otorhinolaryngology, University College of Medical Sciences and GTB hospital, Delhi

2. Year of establishment- 1971

3. Is the Department part of a college/Faculty of the university?
   Yes. It is a part of the University College of Medical Sciences and GTB hospital, Delhi and Faculty of Medical Sciences, University of Delhi

4. Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)
   UG (MBBS) and PG (MS)

5. Interdisciplinary programs and departments involved-
   MBBS is an interdisciplinary program and PG thesis research is interdisciplinary along with departments of Pathology, Microbiology, Biochemistry, Radiology and other departments

6. Courses in collaboration with other universities, industries, foreign institutions, etc.-
   Nil

7. Details of programs discontinued, if any, with reasons-  Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System-
   Annual and Semester system of examination as per MCI guidelines

9. Participation of the department in the courses offered by other departments-
   The departmental faculty is involved in co-supervising PG research work
along with other departments of the college

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

<table>
<thead>
<tr>
<th></th>
<th>Sanctioned</th>
<th>Filled</th>
<th>Actual (including CAS &amp; MPS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>-</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td>Associate Professor/Reader</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>7</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>Lecturer</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Tutor / Clinical Instructor</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Senior Resident</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>No. of Years of Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr P. P. Singh</td>
<td>MBBS, MS</td>
<td>Director Professor</td>
<td>ENT</td>
<td>32</td>
</tr>
<tr>
<td>Dr H. C. Taneja</td>
<td>MBBS, MS</td>
<td>Director Professor</td>
<td>ENT</td>
<td>26</td>
</tr>
<tr>
<td>Dr Lakshmi Vaid</td>
<td>MBBS, MS</td>
<td>Director Professor</td>
<td>ENT</td>
<td>32</td>
</tr>
<tr>
<td>Dr Arun Goyal</td>
<td>MBBS, MS</td>
<td>Director Professor</td>
<td>ENT</td>
<td>24</td>
</tr>
<tr>
<td>Dr Neelima Gupta</td>
<td>MBBS, MS, DNB, MNAMS</td>
<td>Professor</td>
<td>ENT</td>
<td>17</td>
</tr>
<tr>
<td>Dr Vipin Arora</td>
<td>MBBS, MS</td>
<td>Professor</td>
<td>ENT</td>
<td>09</td>
</tr>
</tbody>
</table>
A list of research done in the last five years and ongoing research is as under:

<table>
<thead>
<tr>
<th>Name</th>
<th>Topic</th>
<th>Guide</th>
<th>Co-guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Rahul (2009-2012)</td>
<td>Effect of septoplasty on sense of smell</td>
<td>Dr P.P. Singh</td>
<td>Dr Neelima Gupta</td>
</tr>
<tr>
<td>Dr Aanchal (2010-2013)</td>
<td>Quality of life and voice outcomes in early glottic cancer treated using CO₂ laser microsurgery</td>
<td>Dr Arun Goyal</td>
<td>Dr P. P. Singh</td>
</tr>
<tr>
<td>Dr Manish (2010-2013)</td>
<td>Impact of biofilms on quality of life in chronic rhinosinusitis patients after Endoscopic Sinus Surgery</td>
<td>Dr Lakshmi Vaid</td>
<td>Dr P. P. Singh Dr Neelima Gupta Dr Rumpa Saha</td>
</tr>
<tr>
<td>Dr Dipti (2010-2013)</td>
<td>Role of image guided navigation system in endoscopic dacrocystorhinostomy in patients of chronic dacrocystitis</td>
<td>Dr H. C. Taneja</td>
<td>Dr Lakshmi Vaid Dr G. K. Das</td>
</tr>
<tr>
<td>Dr Ramandeep (2011-2014)</td>
<td>Oncological and functional outcomes in patients of early glottic cancer following CO₂ laser</td>
<td>Dr Arun Goyal</td>
<td>Dr P. P. Singh</td>
</tr>
<tr>
<td>Dr Khyati (2011-2014)</td>
<td>Effect of type I Tympanoplasty on quality of life of CSOM patients</td>
<td>Dr Lakshmi Vaid</td>
<td>Dr H. C. Taneja</td>
</tr>
<tr>
<td>Dr Ruby (2011-2014)</td>
<td>Findings of lacrimal endoscopy in patients of chronic dacrocystitis undergoing endoscopic dacrocystorhinostomy</td>
<td>Dr H. C. Taneja</td>
<td>Dr Lakshmi Vaid Dr Das</td>
</tr>
<tr>
<td>Dr Shilpi (2011-2014)</td>
<td>Role of sialendoscopy as a primary diagnostic modality in salivary gland diseases</td>
<td>Dr P. P. Singh</td>
<td>Dr Arun Goyal</td>
</tr>
<tr>
<td></td>
<td>Expression of EGFR in early glottic cancer and its</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Research Title</td>
<td>Principal Investigator(s)</td>
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<tr>
<td>---------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Dr Ankur (2012-2015)</td>
<td>relation to oncological outcomes following CO₂ laser microsurgery</td>
<td>Dr Arun Goyal, Dr P.P. Singh</td>
<td></td>
</tr>
<tr>
<td>Dr Megha (2012-2015)</td>
<td>Sialendoscopic profile in non neoplastic parotid gland diseases</td>
<td>Dr P.P. Singh, Dr Arun Goyal</td>
<td></td>
</tr>
<tr>
<td>Dr Vivek (2012-2015)</td>
<td>Evidence of biofilms in chronic rhinosinusitis, factors affecting it and its impact on prognosis</td>
<td>Dr Lakshmi Vaid, Dr P.P. Singh, Dr Neelima Gupta</td>
<td></td>
</tr>
<tr>
<td>Dr Deeksha (2013-2016)</td>
<td>Determination of success rate of transcanalicular diode laser assisted dacrocystorhinostomy with lacrimal endoscopy</td>
<td>Dr H.C. Taneja, Dr Lakshmi Vaid, Dr Das</td>
<td></td>
</tr>
<tr>
<td>Dr Anshika (2013-2016)</td>
<td>Evaluation of olfaction in patients of allergic rhinitis</td>
<td>Dr Neelima Gupta, Dr H.C. Taneja, Dr Rajkumar (VPCI), Dr A.K. Tripathi</td>
<td></td>
</tr>
<tr>
<td>Dr Shweta (2013-2016)</td>
<td>Expression of ki67 in early glottic cancer and its relation to various outcomes following CO₂ laser microsurgery</td>
<td>Dr Arun Goyal, Dr P.P. Singh</td>
<td></td>
</tr>
<tr>
<td>Dr Shrutti (2013-2016)</td>
<td>Assessing agreement between preoperative size of submandibular stone with postoperative measurement</td>
<td>Dr P.P. Singh, Dr Arun Goyal</td>
<td></td>
</tr>
<tr>
<td>Dr P. Karthikeyan (2014-2017)</td>
<td>Biofilm in chronic rhinosinusitis associated with nasal polyp</td>
<td>Dr Lakshmi Vaid, Dr Neelima Gupta, Dr Usha Rani Singh, Dr Rumpa Saha</td>
<td></td>
</tr>
<tr>
<td>Dr Rachna Rai (2014-2017)</td>
<td>Evaluation of taste function in patients with and without sensoralneural complaints</td>
<td>Dr Neelima Gupta, Dr H.C. Taneja</td>
<td></td>
</tr>
<tr>
<td>Dr Rohit Mahesh Gupta (2014-2017)</td>
<td>To know the location of submandibular punctum in relation to fixed landmarks in floor of mouth</td>
<td>Dr P.P. Singh, Dr Arun Goyal</td>
<td></td>
</tr>
</tbody>
</table>
Dr Sachin Goel (2015-2018)  | Expression of Phosphatase and Tensin homologue and HER 2 in early glottis carcinoma and its relation to oncological outcomes following CO2 laser microsurgery  | Dr Arun Goyal  | Dr P. P. Singh, Dr Usha Rani Singh

Dr Ankit Vishwani (2015-2018)  | To determine the success rate of Endoscopic DCR using microdebrider  | Dr H. C. Taneja  | Dr Neelima Gupta, Dr G. K. Das

Dr Kunwar Parvez (2015-2018)  | Evaluation of D-240 expression in oral cavity Squamous Cell Carcinoma  | Dr Vipin Arora  | Dr Lakshmi Vaid, Dr Neelam Wadhwa, Dr Dhruv Jain

Dr Divya S (2015-2018)  | Effect of Medical Management on eradication of biofilms in Chronic Rhinosinusitis  | Dr Lakshmi Vaid  | Dr Neelima Gupta, Dr Rumpa Saha

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors- Nil

13. Percentage of classes taken by temporary faculty – program-wise information Not Applicable (No Temporary faculty in the department)

14. Program-wise Student Teacher Ratio-
   UG program- As per MCI guidelines and PG program- 1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual-
   Sanctioned-3, Filled-2, Actual-2

16. Research thrust areas as recognized by major funding agencies- Nil

17. Number of faculty with ongoing projects from a) national b) international funding
agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

| DrNeelima Gupta, DrP.P.Singh, DrArun Sharma | Assessment of Knowledge of harmful effects and exposure to Recreational Music in College students of Delhi | Intramural Project, completed in 2010 | Rs 25,000 |

18. Inter-institutional collaborative projects and associated grants received
   a) National collaboration b) International collaboration - Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. -Nil

20. Research facility / centre with - No
   • state recognition
   • national recognition
   • international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies -Nil

22. Publications: (List of publications is attached)
   * Number of papers published in peer reviewed journals (national / international)
   * Monographs
   * Chapters in Books
   * Books edited
   * Books with ISBN with details of publishers
* Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.)
* Citation Index – range / average – **Range (0-14) and Average- 2.32**
* SNIP- NA
* SJR- NA
* Impact Factor – range / average – **Range-(0.054- 2.779) and Average- 0.88**
* h-index - NA

**Publications- Department of ENT (last five years)**

I. Indexed journals


II) National/Non-indexed journals


III) International journals


13. Gupta N, Sharma A, Singh PP. Excessive Exposure to Loud Recreational Music can be Harmful: How aware are our youngsters. In Conference proceedings- 1st World Congress on Ear and Hearing Care, Delhi, 12-14th Feb 2015.


IV) Chapters in Books


23. Details of patents and income generated - Nil

24. Areas of consultancy and income generated - Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad-
   a) Dr Neelima Gupta- Awarded the BOYSCAST Fellowship 2010-2011 by The Government of India; funded by the Department of Science and Technology.

   The fellowship was awarded in the area of “Chemosensory Research”, utilized by going to a highly advanced Smell and Taste Clinic in the University of Dresden Medical School, Dresden, Germany; from 22nd July 2011 to 21st October 2011.

   b) Dr Vipin Arora- Awarded the Raman fellowship, 2013-2014 and visited the Columbia University Medical Centre, New York, USA for Head and Neck Cancer Surgery training

26. Faculty serving in
   a) National committees b) International committees c) Editorial Boards d) any other (specify)-

   Dr P. P. Singh- President, Indian Society of Otology (2010-2012)

   Dr H. C. Taneja, President, Neuro-otology and Equillioabriometric Society of India (2011-2013)
DrNeelima Gupta- Executive member- All India Rhinology Society (2010-2011) and (2013-2014)
DrVipinArora- Treasurer, Neuro-otology and Equillibirometric Society (2011-2013)
DrArunGoyal- Governing body member, Indian Society of Otology (2015-2016)

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs). –
   The faculty members regularly attend workshops, refresher programs and training programs

28. Student projects - Nil
   - percentage of students who have taken up in-house projects including interdepartmental projects
   - percentage of students doing projects in collaboration with other universities / industry / institute

29. Awards / recognitions received at the national and international level by Faculty-

DrNeelima Gupta-Awarded the BOYSCAST Fellowship 2010-2011 by The Government of India; funded by the Department of Science and Technology.

DrVipinArora-

Foreign travel fellowship to France by Indian Society of Otology (2010-11)
Awarded the Raman Fellowship 2013-2014, by University Grants commission
   - Doctoral / post doctoral fellows – nil
   - Students – not applicable

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.
<table>
<thead>
<tr>
<th>Course on Sialendoscopy</th>
<th>November 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course on Sialendoscopy</td>
<td>December 2011</td>
</tr>
<tr>
<td>Advanced course on “Middle Ear Reconstruction” and Symposium on “Middle Ear Mechanics”</td>
<td>December 2011</td>
</tr>
<tr>
<td>LION (Live International Otolaryngology Network) Winter Global Broadcast</td>
<td>December 2011</td>
</tr>
<tr>
<td>Course on Tinnitus Retraining Therapy</td>
<td>February 2012</td>
</tr>
<tr>
<td>Course on Sialendoscopy</td>
<td>November 2013</td>
</tr>
<tr>
<td>Course on Sialendoscopy</td>
<td>November 2014</td>
</tr>
</tbody>
</table>

31. Code of ethics for research followed by the departments -
   All research activities are vetted by the Institutional Research Project Advisory committee and the Institutional Ethical committee

32. Student profile program-wise: Not applicable

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>Applications received</th>
<th>Selected Male</th>
<th>Selected Female</th>
<th>Pass percentage Male</th>
<th>Pass percentage Female</th>
</tr>
</thead>
<tbody>
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<td></td>
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</tbody>
</table>

33. Diversity of students- Record not available with department

<table>
<thead>
<tr>
<th>Name of the Program (refer to question no. 4)</th>
<th>% of students from the same university</th>
<th>% of students from other universities within the State</th>
<th>% of students from universities outside the State</th>
<th>% of students from other countries</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

14
Name of the Program (refer to question no. 4) | % of students from the same university | % of students from other universities within the State | % of students from universities outside the State | % of students from other countries |
--- | --- | --- | --- | --- |

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise. – **Not applicable**

35. Student progression- **Not applicable**

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Percentage against enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td></td>
</tr>
<tr>
<td>PG to M.Phil,DM / M Ch / DNB</td>
<td></td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td></td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td></td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>• Campus selection</td>
<td></td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurs</td>
<td></td>
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</tbody>
</table>

36. Diversity of staff

<table>
<thead>
<tr>
<th>Percentage of faculty who are graduates</th>
</tr>
</thead>
<tbody>
<tr>
<td>of the same university</td>
</tr>
<tr>
<td>from other universities within the State</td>
</tr>
<tr>
<td>from universities from other States</td>
</tr>
<tr>
<td>from universities outside the country</td>
</tr>
</tbody>
</table>

37. Number of faculty who were awarded M.Phil.,DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period – **Nil**

38. Present details of departmental infrastructural facilities with regard to
   a) Library - **Available**
   b) Internet facilities for staff and students - **available**
   c) Total number of class rooms- **two**
   d) Class rooms with ICT facility and ‘smart’ class rooms- **nil**
e) Students’ laboratories - NA
f) Research laboratories – Temporal bone laboratory

39. List of doctoral, post-doctoral students and Research Associates - Nil
   a) from the host institution/university
   b) from other institutions/universities

40. Number of post graduate students getting financial assistance from the university. - Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology. – Not applicable

42. Does the department obtain feedback from
   a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? -
      The department takes regular feedback from the faculty and this feedback is used for updating the teaching process. The learning evaluation is also regularly updated based on the feedback from the faculty
   b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
      The students are regularly assessed and their feedback is taken regarding the teaching methods being used. If there is any additional teaching requirement as proposed by the students and if there are any difficult areas then those topics are covered again by the faculty
   c. alumni and employers on the programs offered and how does the department utilize the feedback? No

43. List the distinguished alumni of the department (maximum 10)- Nil
44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Special lectures-

- Professor Thomas Hummel from Smell and Taste clinic, University of Dresden, Germany delivered a lecture on “New frontiers in the Sense of Smell” (February 2013)
- Professor Zahnert from University of Dresden, Germany delivered a lecture on “Middle ear mechanics” (February 2015)

The department has held various workshops on Middle ear implants, sialendoscopy and tinnitus retraining therapy where renowned international experts delivered talks for faculty and student enrichment.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching. –

Audiovisual aids such as power-point presentations and bedside teaching are the main methods used in UG program. The PG program also utilizes O.T screens and monitors for clinical teaching

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Periodical assessment of students both in the UG and the PG programs is done which includes ward leavings, seminars, case presentations and terminal and semester theory examinations

47. Highlight the participation of students and faculty in extension activities.

Dr Neelima Gupta- Involved in the “Mentorship programme at UCMS”;
Involved in project initiated for the deaf by the Cluster innovation centre at the University of Delhi;
Involved in community outreach activities for awareness creation regarding preventable causes of deafness.
48. Give details of “beyond syllabus scholarly activities” of the department.

The faculty is actively involved in academic activities like reviewing articles in various journals, education of the community regarding ear, nose and throat diseases, promoting health of individuals by providing counseling and early diagnosis facilities.

49. State whether the program/department is accredited/graded by other agencies? If yes, give details.

The program/department is accredited by the Medical Council of India.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department has generated new knowledge in the field of Salivary gland diseases by adding the facility of Sialendoscopy. Use of this minimally invasive technique has added a wealth of data on non-neoplastic salivary gland diseases and has also improved patient care and reduced morbidity previously attributed to gland excision procedures.

Research in the area of Olfaction in the department, has generated interest in this basic chemosensory area which was not much explored up to now. Also the department has added to the knowledge of role of biofilms in the chronic rhinosinusitis cases. Laser surgery in early laryngeal cancer is also one of the major areas being developed in the department.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

**Strengths:**

1. Sialendoscopy facility, which is available in very few centres all over India
2. Availability of CO2 laser surgery
3. Faculty trained in international centres of excellence in the area of head and neck cancer surgery and diagnostic facilities for sino-nasal disease and olfaction and taste

4. Good equipment and instruments in the Operation theatre

   **Weaknesses:**
   1. Shortage of support administrative staff and for maintenance of data
   2. Shortage of support technical staff
   3. Non availability of infrastructure for a dedicated research lab

   **Opportunities:**
   1. Ample clinical material for research

   **Challenges:**
   1. Catering to the needs of ever increasing patient load
   2. Lack of sufficient space for handling of OPD patients

52. Future plans of the department.

   The department aims to develop into a centre of excellence for diagnosis and treatment of salivary gland diseases.
   The department plans to add to its diagnostic and treatment facilities in the areas of tinnitus, smell and taste and nasal physiology by adding special clinics and laboratories for detailed evaluation of patients suffering from these disorders. Also the department strives to improve its UG and PG teaching program.