

Fellowship in Oral Oncology

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Fellowship in Oral Oncology

Detailed Course Module Document

1. Program Overview

Name	:	Fellowship in Oral Oncology
Duration	:	1 Year (Full - Time)
Intake	:	3 seats per academic year (1 st Jan to 31 st Dec)
Location	:	Rohilkhand Cancer Institute
Mode	:	On-campus with clinical training and research

Program Objective:

To provide structured and didactic training with specific emphasis on surgical hands-on in all aspects of Oral Oncology and Reconstructive Surgery enabling fellows to accurately diagnose, treat and rehabilitate patients.

2. Eligibility Criteria

- MS / DNB in either of the following disciplines: Otolaryngology Head and Neck Surgery or General Surgery
- MDS in Oral and Maxillofacial Surgery
- Registered with the appropriate medical council/license to practice.
- Good academic record and demonstrated interest in Oral Oncology.
- Candidates with any prior disciplinary issues or ethical violations are not eligible.

3. PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

The fellow should be able to:

- PEO1: Independently diagnose and perform oral cancer surgeries including reconstruction.
- PEO2: Lead oral cancer units in a hospital setting.
- PEO3: Participate actively in multidisciplinary tumour boards and clinical meetings.
- PEO4: Conduct meaningful research, audits, and contribute to academic work publications.
- PEO5: Demonstrate role in Screening and prevention of Oral Cancer.

4. PROGRAM OUTCOMES (POs)

Upon successful completion of the program, the fellow will be able to:

- PO1: perform procedures that aid in diagnosis of oral cancer patients such as biopsies (incisional, excisional, punch), endoscopies.
- PO2: Interpret appropriate radiological, histopathological investigations required for formulating treatment plan for oral cancer cases.
- PO3: effectively perform surgeries for oral cancer management including management of primary, neck and reconstruction.

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- PO4: Effectively communicate with clinical teams and present findings at tumour boards
- PO5: Plan adjuvant/ neoadjuvant treatment in form of radiotherapy/ chemotherapy and follow up of these patients
- PO5: Maintain quality control and standard operating procedures in line with NABH.
- PO6: Participate in academic teaching and mentoring of postgraduates.

5. PROGRAM SPECIFIC OUTCOMES (PSOs)

- PSO1: Diagnose cancers related to oral cavity, salivary glands, paranasal sinuses and cutaneous malignancies of face.
- PSO2: Evaluate the overall general condition of the patient
- PSO3: Prepare comprehensive treatment plan for the patient including reconstruction.
- PSO4: Properly rehabilitate the patient to improve the functional outcome of the patient.
- PSO5: Conduct audits, maintain logbooks, and contribute to quality improvement work.

6. COURSE OUTCOMES (COs)

At the end of the course, the fellow will be able to:

- CO1: Diagnose the patient by clinical, radiological and histological examination of the patient
- CO2: Formulate a proper treatment plan appropriate for the patient.
- CO3: Perform surgeries for the management of Oral cancer including primary, neck and reconstruction
- CO4: Plan adjuvant/neoadjuvant treatment in form of radiotherapy/ chemotherapy and follow up of these patients
- CO5: Understand and implement rehabilitation techniques to maximise the functional outcome.
- CO6: Draft a research/academic work and publish an original research paper in indexed journal.

7. COURSE CONTENT MODULES

Module 1: Introduction to Oral Cancer

- Tumour biology, Oral Carcinogenesis and Field Cancerisation
- Etiology, Epidemiology, Histopathology of Oral cancer
- Oral Cancer screening

Module 2: Oral Potentially Malignant Disorders

- Oral Submucous Fibrosis
- Leukoplakia
- Erythroplakia

Module 3: Diagnosis of Oral cancer

- Clinical Evaluation
- Imaging

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- Diagnostic Adjuncts for Oral cancer detection
 - Biopsy
- Module 4: Management of Primary
- Buccal Mucosa
 - Lip
 - Alveolus
 - RMT
 - Hard Palate
 - Floor of Mouth
 - Tongue
- Module 5: Management of Neck
- Management of N0 neck
 - Management of N+ neck
 - Sentinel Node biopsy
- Module 6: Reconstruction
- Skin grafts
 - Local Flaps
 - Free flaps
- Module 7: Rehabilitation
- Speech
 - Swallow
 - Dental Rehabilitation
 - Pain and Palliation
- Module 8: Tumour Boards & Clinical Correlation
- Weekly tumour boards
 - Adjuvant and Neoadjuvant therapy
- Module 9: Research Methodology
- Study design, data analysis, poster/paper writing
- Module 10: Teaching & Professional Skills
- Presentations, CME coordination, ethics, communication

8. Curriculum Structure

8.1 Theory Syllabus

- Cancer genetics, epidemiology, etiology
- Mechanism of carcinogenesis, Field cancerisation
- Principles of Radiation therapy, Chemotherapy
- Head and Neck Radiology
- Tumour Classification and Grading: WHO classifications, grading systems
- Histopathology of oral cavity tumours
- Various principles of Biopsy, FNAC, cytology
- Surgical principles for management of Oral Cancer including principles of ablative surgery and reconstructive surgery.
- Management of neck
- Sentinel node biopsy
- Adjuvant, Neoadjuvant treatment – radiotherapy, chemotherapy

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- Oral Cancer patient rehabilitation including management of mucositis, xerostomia, dental management
- Pain and palliation
- Research Methodology: Study design, biostatistics, ethics in research

8.2 Practical Training

- Clinical oral oncology (management of primary and neck)
- Reconstructive surgery
- Training in ancillary specialties such as radiation oncology and medical oncology
- Patient rehabilitation
- Cancer screening and prevention
- Tumour board participation and case presentations

9. Teaching and Learning Methods

- Didactic lectures and seminars
- Case-based learning
- Interactive tumour board discussions
- Hands-on surgical training
- Research presentations
- Regular formative assessments

10. Clinical Exposure

- Diagnosis and interpretation of radiological and histological investigations
- Surgical procedures including management of neck, primary and reconstruction
- Rehabilitation of patients
- Participation in multidisciplinary tumour boards
- Exposure to medical oncology and radiotherapy departments
- Interaction with radiologists, pathologists for integrated diagnosis

11. Research Project

- Each fellow will undertake 1-2 original academic works related to any field of Oral oncology under course director.
- Encouragement to publish original research in indexed journals.

12. Assessment and Evaluation

- Continuous formative internal assessment via case discussions /log book/etc (30%)
- Final examination comprising (40%)
 - Theory exam (essay and short notes)
 - Practical/viva voce exam (case presentations – long and short)
- Academic work submission (30%)

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13. Code of Conduct Policy

- Fellows must maintain professional ethics in all academic and clinical activities.
 - Timely attendance and active participation are mandatory.
 - Disclosure of any conflict of interest related to diagnostics, research, or patient care is required.
 - Fellows involved in unethical behaviour or malpractice may face disciplinary action.
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14. Career Opportunities

- Consultant Oral oncosurgeon in cancer centres and hospitals
 - Academic faculty positions in medical/dental colleges
 - leadership roles in hospitals / cancer centres
 - Cancer research scientist positions
 - Opportunities in pharmaceutical and biotech companies focusing on oncology diagnostics
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15. Training Schedule:

- Cadaveric Dissections
- Dedicated Lectures and seminars
- Allotment of Dissertation
- Surgical planning and assistance in surgery
- Stepwise surgical dissections

Stage 1: Cadaveric dissections

- Pre-op clinical evaluation, pre-op investigations
- Radiographic analysis
- Surgical treatment Planning
- Tumour board participation

Stage 2: Surgical Observations

- Assistance in surgery
- Stepwise dissection and reconstruction in cases (Observation)

Stage 3: Post-operative care

- Post-surgery patient care and planning
- Stepwise dissection and reconstruction in cases (perform Independently)

Stage 4: Post-surgical planning (Adjuvant therapy)

- Exposure to chemotherapy
 - Exposure to Radiotherapy
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16. Faculty Profiles:

- Dr. Arjun Agarwal, Mch (Surgical oncology) –Prof & Head, Department of Surgical Oncology, Rohilkhand Medical College & Hospital - Course Director
- Dr Aamir Malick Saifi, MDS (OMFS), Fellowship Oral Oncology, Associate professor, Department of OMFS, Institute of Dental Sciences

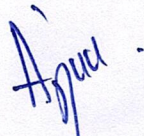
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- Dr Ashish Kamathan, Mch (Surgical Oncology) – Assistant Professor, Department of Surgical Oncology, Rohilkhand Medical College & Hospital
- Dr Laxman Pandey, MD (Radiation Oncology) , Department of Radiation Oncology, Rohilkhand Medical College & Hospital
- Dr Siddharth Arora, MD (Radiation Oncology) , Department of Radiation Oncology, Rohilkhand Medical College & Hospital
- Dr Cheena Garg, MD (Pathology), UICC fellowship Oncopathology
- Dr Mohit Gambhir, Interventional radiologist, Rohilkhand Medical College & Hospital

17. Conflict of Interest & Ineligibility

To maintain the academic integrity and ethical standards of the Fellowship in Oral Oncology, the following candidates shall not be eligible to apply:

- I. Employment/Age Conflicts
 - Individuals already holding a full-time appointment that prevents them from fulfilling full-time academic responsibilities during the fellowship.
 - Candidates enrolled in any other fellowship, residency, or academic program simultaneously.
 - Candidates who already have enough work experience in Oral oncology as a faculty/staff member shall be ineligible.
- II. Professional Misconduct
 - Applicants who have faced disciplinary action, suspension, or license cancellation by a medical council or any competent regulatory authority.
- III. Financial or Ethical Conflict
 - Candidates with ongoing legal or ethical investigations related to patient misdiagnosis, or clinical fraud.
 - Any applicant with declared or undeclared financial interest in may pose a bias in training or evaluation.
- IV. Academic Dishonesty
 - Prior record of plagiarism, data falsification, or unethical research conduct disqualifies participation


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SOP for University Enrolment Process **(Fellowship in Oral Oncology & Reconstructive Surgery)**

1. University Enrolment process starts 15 days after receiving the fellowship Admission form and Admission closes 15 days after form is received.
2. Scholar will apply for admission & shall fill the form online at university website portal / offline at University office.
3. After filling the form and final online successful submission, the Scholar to take print out of the final submitted form and attach all required self-attested documents with application form.
4. Application form with all required self-attested documents to be submitted to the fellowship in charge who will further forward the application with all required documents to the Principal of the college for further verification and forwarding to the Registrar.
5. If the Scholar fails to submit the form before last date of submission, then he /she will submit the enrolment form with late fees as prescribed.
6. Enrolment Forms are checked by the Enrolment Head / Registrar office and mark the discrepancy/deficiencies in the form.
7. Discrepancy/Deficiency list is put up to the Registrar for verification and suitable remarks for necessary action by the Scholar / College competent Authority.
8. After Registrar's Remarks on the Deficiency list, the same is forwarded to respective Principal / Dean / HoI for taking necessary action on the Deficiencies.
9. When all the required documents in all respect as prescribed submitted with the application form to the Registrar office, verification sheet/ sheets are sent to the college for final verification by the Scholar / competent Authority of the College.
10. These Sheets are signed by the Scholar and to be forwarded back to the Registrar Office by the college Dean / Principal for further process of enrolment slip Generation.
11. After Verification Sheets are forwarded back to the Registrar Office, then Enrolment Number is generated for the Scholar who have verified their details.

12. After Enrolment Number is generated, Enrolment Slips are Printed and signed by Registrar / Authorized signatory
13. After signing by Registrar / Authorized signatory, Enrollment slips are sent to the respective College for further distribution to the Scholar.
14. After fulfilling all eligibility / documents, enrollment process takes 15 days to generate Enrolment Numbers after final submission without any discrepancy in documents.
15. After generation of enrolment slip / once the enrollment process is over, the scholars / students are sent to work on specified subject at their allotted centers.

Note:

- Without Enrolment No. Scholar's examination result will not be declared.
- The Scholar may appear in examination without Enrollment Number provisionally.
- Time frame may vary for completing the enrolment Process.
- Enrolment Process will be completed after submitting of all required documents.

Required Documents for Enrolment:

- 10th Mark sheet & Passing Certificate Copy
- 12th Mark sheet & Passing Certificate Copy
- Graduation Mark sheet Copy
- Post-Graduation Mark sheet Copy
- Original Migration (Graduation/Post Graduation as applicable)
- Aadhar Card Copy
- Caste Certificate Copy
- Domicile Certificate Copy
- Original Gap Affidavit

Note: These guidelines for Enrolment Process may be applicable for time being in force and also may change as per approval/ guideline of the competent Authority (Vice chancellor / Registrar)



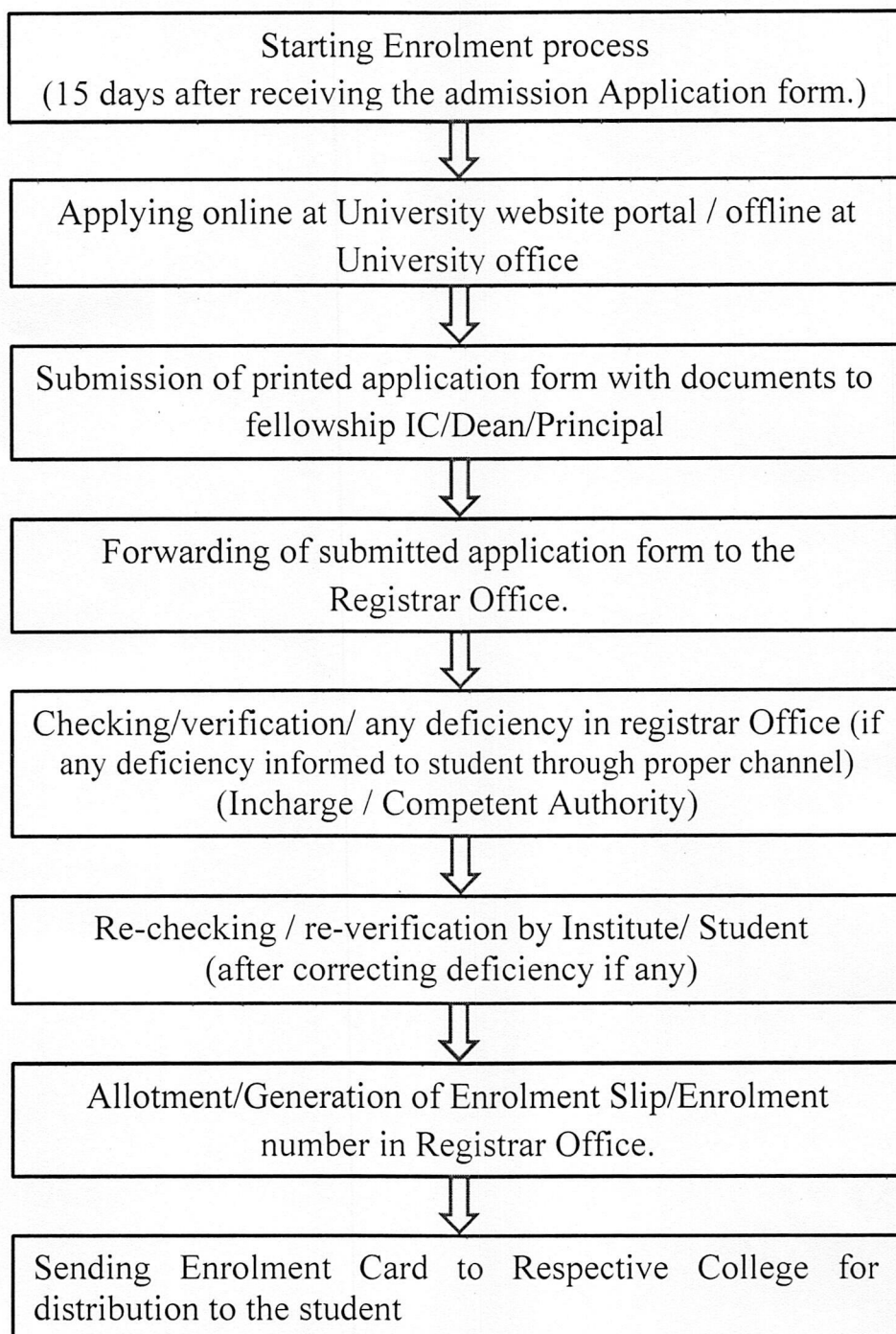
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Enrolment Process Flowchart **Fellowship in Oral Oncology & Reconstructive Surgery**



Note :

After generation of enrolment slip / once the enrolment process is over, the scholars / students are sent to work on specified subject at their allotted centers.