

CERTIFIED FELLOWSHIP IN DENTAL & PROSTHETIC SURGERY

[Syllabus Approved by Board of Studies, Medical & Health Sciences]

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| Programme Code | : | HLTH14A05 |
| Programme Details | : | 2-YEARS HBNI CERTIFIED FELLOWSHIP IN DENTAL & PROSTHETIC SURGERY |
| Programme Learning Outcomes (PLOs / PSOs) | : | MENTIONED [COMMON FOR ALL 2 YRS HBNI CERTIFIED FELLOWSHIPS OFFERED AT TMC] |
| Eligibility Criteria | : | MDS IN PROSTHETICS & CROWN AND BRIDGE WITH 1-YEAR EXPERIENCE. |
| Duration of the Course | : | 2 YEARS |
| Programme Structure (Credit-Based) | : | NA |
| Detailed Course Syllabus | : | ATTACHED |
| Teaching–Learning Methodologies | : | 2 YEARS PROGRAM |
| Examination & Evaluation System | : | ANNUAL APPRAISAL FOLLOWED BY UNIVERSITY FINAL EXAMINATION |
| Internship / Project / Dissertation Guidelines | : | NA |
| Program In Charge | : | PROF. SANDEEP GURAV (guravsv@tmc.gov.in) |

CERTIFIED FELLOWSHIP (DENTAL & PROSTHETIC SURGERY)

Programme Code: HLTH14A05

Programme Outcome:

- The HBNI Fellowship Programmes at Tata Memorial Centre are designed to develop competent, ethical, and academically oriented healthcare professionals with advanced knowledge and skills in their respective specialties and subspecialties.
- At the completion of the fellowship, candidates are expected to demonstrate excellence in clinical practice, patient-centered care, multidisciplinary teamwork, communication, professionalism, and evidence-based decision-making.
- Fellows shall acquire the ability to independently evaluate, diagnose, plan, and manage patients while adhering to institutional protocols, quality standards, patient safety practices, and ethical principles in healthcare delivery.
- The fellowship programmes also aim to foster academic growth, research aptitude, lifelong learning, and leadership qualities among trainees.
- Fellows are expected to actively participate in teaching, seminars, journal clubs, conferences, audits, and research activities, thereby contributing to the advancement of medical science and institutional development.
- Upon successful completion of the programme, the fellow should be capable of functioning independently as a skilled specialist/subspecialist with competence in clinical services, academics, research, and collaborative healthcare practice in tertiary care and oncology-focused settings.

DETAILED SYLLABUS

- Intra Oral Prosthesis:
 - Prosthetics Rehabilitation following maxillectomy:
 - Clinical
 - Laboratory
 - Prosthetics Rehabilitation following mandibulectomy:
 - Clinical
 - Laboratory
 - Prosthetics Rehabilitation following Glossectomy:
 - Hemi glossectomy (Palatel Augmentation):
 - ❖ Clinical
 - ❖ Laboratory
 - Total glossectomy (Tongue Prosthesis):
 - ❖ Clinical
 - ❖ Laboratory
- Oral effects of Radiotherapy.
- Dental care for patients undergoing radiotherapy.
- Dental care for patients undergoing chemotherapy.
- Extra Oral Prosthesis:
 - Orbit
 - Nose
 - Ear
 - Finger
 - Patch
- Implant retained prosthetic rehabilitation:
 - Intra Oral
 - Extra Oral
- Failure and shortcoming of prosthetic rehabilitation.
- Osteoradionecrosis
- Medicine Related Osteonecrosis of Jaw (MRONJ) – following use of Bisphosphonates.
- Dental Materials - Impression material
- Dental Materials - Acrylic Resins
- Dental Materials – Silicones
- Dental Material – Waxes
- Dental Materials - tissue conditioner and soft liners
- Physiology of speech and swallowing
 - Speech disorder following resection

- Management of speech & swallowing.
- Articulation and resonance
- Speech and swallowing management following prosthetic rehabilitation
- Pre-Malignant lesions and conditions
- Quality of life following prosthetic rehabilitation.
- Radiographic interpretation.
- Dental Caries and Fluoride.
- Digital Technology in Maxillofacial Rehabilitation.
- Psychosocial perspectives on the care of head and neck cancer patients.
- Use of prosthodontic stents and splints during Radiotherapy.
- Use of growth factors in implants & management of MRONJ.
- Exodontia and minor oral surgical procedures.

- **ACADEMIC SCHEDULE FOR FELLOWSHIP**
 - SEMINARS: one seminar every 3 months (8 seminars in 2 years)
 - CASE PRESENTATIONS: once every 2 months (12 case presentation in 2 years)
 - JOURNAL CLUB: once every 2 months (12 journal club in 2 years)
 - LAB WORK: Intra-oral full case every month (clinical + lab);
Extra oral case every 6 months (clinical + lab);
 - IMPLANTS: 4 cases per year surgical and pro sthetic phase.
 - PROJECTS : (2) (IRB Sanctioned)
 - Two research projects
 - ❖ Major project: Topic finalization by October 2019
DMG presentation and project submission by December 2019
Project completion by December 2020
Final result submission and publication by March 2021
 - ❖ Minor project: Topic finalization by Feb 2020
DMG presentation and project submission by April 2020
Project completion by Feb 2021
Final result submission and publication by June 2021
 - PUBLICATIONS: at least 2 in 2 years.
 - LOG BOOK (Record of daily work done / every month)and counter signed