

Vision & Mission of Department

Vision of the Department:

To be a centre of excellence in the field of Prosthodontics & Implantology and one of leading department in the country imparting Prosthodontics education and problem solving skills to the budding Prosthodontists for academic

Mission of the Department:

- Generating trained man-power with advanced techniques in order to meet the professional responsibilities.
- The goals of the post-graduate training in various specialities is to train the graduate in Dental Surgery who will,
 - (i) practice respective speciality efficiently and effectively, backed by scientific knowledge and skill;
 - (ii) exercise empathy and a caring attitude and maintain high ethical standards;
 - (iii) continue to evince keen interest in professional education in the speciality and allied specialities whether in teaching or practice;
 - (iv) willing to share the knowledge and skills with any learner, junior or a colleague;
 - (v) to develop the faculty for critical analysis and evaluation of various concepts and views and to adopt the most rational approach.

The department is equipped with an extensive departmental library for providing a holistic learning experience to its students, in adjunct to a vast central library. The central library has a total of 673 books, with 30 national journals and 66 international journals. The department library has a total of 53 books and 5 journals. The department of prosthodontics is equipped with a state of the art dental laboratory with well trained and certified dental technicians. There are 2 ceramic furnaces in the department, induction casting machines, casting furnaces and acrylisers. Computer, printer and scanner are also present in the department for various day to day activities. The department has a total of 56 dental chairs with a separate implant clinic. There are a total of 34 dental chairs in the undergraduate clinic and 20 dental chairs in the post graduate clinic, with 2 dental chairs in the implant clinic. The department also has separate Seminar room, with a projector

and screen where all the seminars, journal clubs, debates and other activities are regularly conducted.

Chair side teaching forms an important part of the teaching curriculum, and the following topics are covered -

1. Microscopic and macroscopic structures of maxilla and mandible
2. Impressions in complete denture
3. Border molding and posterior palatal seal
4. Secondary impression material
5. Jaw relations
6. Selection of teeth
7. Articulation
8. Balanced occlusion
9. Try-in
10. Post-insertion instruction in complete denture
11. Relining and rebasing
12. Case history in fixed partial dentures
13. Principles of tooth preparation
14. Steps in preparation of metal ceramic crowns.

We also provide our students with hands on experience on the following –

1. Pouring of primary cast by Inversion method
2. Pouring of primary cast by Beading and Boxing
3. Preparation of custom tray
4. Preparation of temporary denture base
5. Making of occlusal rims
6. Orientation and securing Jaw relation records to the articulator
7. Arrangement of artificial teeth in the mean value articulator
8. Processing of dentures

9. Manipulation of Impression compound for thumb impression
10. Manipulation of Irreversible hydrocolloids
11. Manipulation of ZOE paste
12. Manipulation of Elastomers
13. Manipulation of Shellac base plate
14. Manipulation of Dental Cements
15. Manipulation of Amalgam
16. Manipulation of Acrylic resins
17. Tooth preparation on typhodont teeth.

The department has also conducted symposiums for its post graduate students on the following topics:

1. Smart ceramics
2. Treatment planning in dental implants
3. Basal implants
4. Precision attachments a challenge yet
5. Compromised residual ridge: from planning to problem solving
6. Impression methods in implants.

To encourage a detailed learning experience for post graduates, we also encourage and conduct debates on various topics. To list a few –

- RPD designing.
- Balanced occlusion.
- Flexible partial dentures and acrylic partial dentures
- Abutment screw loosening
- Metal ceramic versus all ceramic
- Internal hex v/s Morse taper
- Cast partial denture v/s acrylic partial denture.

Apart from this we also conduct essay writing competitions, for example, we have conducted the essay writing competition on the following topics –

- 1) Sterilization in Prosthodontics
- 2) Prosthodontic Management of HIV patients
- 3) Prosthodontic management of TMD patients
- 4) Full mouth rehabilitation
- 5) Esthetics

The list of theory topics for Dental materials for 1st year BDS are

- Gypsum Products
- Impression Materials
- Denture Base Resins
- Waxes
- Science of Dental Materials(Introduction, Aims and Objectives)
- Structure of Matter
- Physical and Mechanical properties of Dental Materials
- Biocompatibility of Dental Materials.

Theory topics for 2nd year BDS –

- Dental Casting Alloys
- Tarnish and Corrosion
- Dental Casting Investments
- Model, Cast and Die Materials
- Casting procedures for Dental Alloys
- Dental Ceramics
- Soldering, Welding and Brazing
- Wrought Base Metal Alloys
- Abrasives and Polishing agents

Dental Implant Materials

List of theory topics for 3rd year BDS are –

- Introduction
- Mouth Preparation
- Impression Procedures In RPD
- Surveyors
- Maxillary Major Connector
- Mandibular Major Connector
- Minor Connector
- Rest And Rest Seat
- Direct Retainers
- Indirect Retainers
- Principles Of RPD Design
- Management Of Distal Extension
- Stress Breakers
- Survey Lines And Block Out
- Jaw Relations In RPD

Following are the list of theory topics for 4th year BDS that are covered –

- Introduction To FPD
- Principles Of Tooth Preparation
- Full Veneer-Metal Crown/PFM
- Partial Veneer Crown
- Provisional Restorations
- Impressions In FPD
- Fluid Control
- Gingival Retraction

- Dies And Working Casts
- Pontics
- Resin Bonded Bridges
- Occlusion In FPD
- Jaw Relation In FPD
- Restoration Of Endodontically Treated Teeth
- Abutment
- Connectors
- All Ceramic Crowns
- Finish Lines
- Functionally Generated Path
- Overdenture
- Relining And Rebasing
- Pre Prosthetic Surgery
- Implant – Introduction, Biomaterials, Osseo Integration
- Maxillofacial- Introduction, Obturators.

We also indulge in various problem based learning techniques on the following –

- Silicone materials for maxillofacial prostheses
- Face-bow
- Titanium as implant biomaterial
- Disinfection of impression-materials
- RPI concept:
- Impression techniques in FPD
- Neutral zone technique
- Shade selection in FPD
- Retention in maxillofacial prosthesis
- Why impression compound is used only for primary impression in complete denture

- Altered cast technique
- Recording of posterior palatal seal area
- Gingival retraction cords
- Surgical templates in implant surgery
- Impression techniques in removable partial denture.