MDS in Prosthodontics including Crown & Bridge

The department has started post graduate degree programme in May 2006 with an annual intake of four students which was later increased to six in 2012. Periodically the department is organizing continuing dental education programme for both undergraduate and postgraduate students.

The department is well equipped with latest equipment like Cercon Scanner for making metal free crown and bridges, Shofu light curing chamber for indirect composite restorations, ceramic furnaces for metal ceramic restoration and pressable ceramics for all ceramic restorations, Dentsply injection molding system for making monomer free dentures and induction casting machine, we also have Penta mix automixing unit for mixing impression materials, die cutters, polishers, Agar duplicating unit and various other latest equipments. Prosthodontics is branch in which there are lots of research avenues in restoring lost teeth with implants and also to give prosthesis for maxillofacial deformity patients. The staff of the department is keen to utilize this opportunity for research programmes. The staff of the department have participated in various scientific forms and delivered guest lectures, orations, and presented scientific papers seminars nationally.

Following aims and objectives are laid to achieve the goals of the course. These are to be achieved by the time the candidate completes the course.

AIM

To train dental graduates so as to ensure higher competence in both general and special areas of prosthodontics and prepare a candidate for teaching, research and clinical abilities, including prevention and after care in prosthodontics including crown and bridge and implantology.

GENERAL OBJECTIVES OF THE COURSE

- Training programme in prosthetic dentistry including Crown & Bridge & Implantology is structured to achieve knowledge and skill in theoretical and clinical laboratory, attitude, communicative skills and ability to research with understanding of social, cultural, educational and environmental background of the society.
- To have acquired adequate knowledge and understanding of applied basic and systemic medical science, in general and particularly of head and neck.
- The postgraduates will be able to provide prosthodontic therapy for patients with competence and working knowledge with understanding of applied medical, behavioral and clinical science, that are beyond the treatment skills of the general BDS graduate and MDS graduate of other specialities, to demonstrate evaluative and judgment skills in making appropriate decisions regarding prevention, treatment, after care and referral to deliver comprehensive care to patients.

KNOWLEDGE

By the end of 36 months of training, the candidate should possess the knowledge of applied basic and systemic medical sciences.

- Biomedical and biological principles and applications of dental material science.
- Ability to make diagnosis and treatment plan for complete denture prosthodontics, removable partial denture prosthodontics, fixed prosthodontics, maxillofacial and craniofacial prosthodontics, implant supported prosthodontics, TMJ and occlusion, craniofacial esthetics, craniofacial disorders, problems of psychogenic origin.
- Should attend continuing education programs, seminars and conferences related to prosthodontics, thus updating himself.
- Teach and guide his/her team, colleagues and other students.
- Use information technology tools and carry out research both basic and clinical with the aim of publishing his work and presenting the same at scientific presentations.

SKILLS

- The candidate should be able to examine the patients requiring prosthodontic therapy, investigate the patient systematically, analyze the investigation results, diagnose the ailment, make a treatment plan, communicate it with the patient and execute it.
- The candidate should be able to restore lost functions of stomatognathic system, appearance and psychological comforts.
- The candidate should be able to interact with other specialities.
- Perform clinical and laboratory procedures.
- Have a thorough knowledge of infection control measures in the dental clinical environment and laboratories.

COURSE CONTENTS

- Applied Anatomy of Head and Neck.
- Applied Dental Anatomy.
- Applied Physiology.
- Pathology.
- Microbiology.
- Pharmacology.
- Research Methodology.
- Applied Dental Materials.

- Removable Prosthodontics.
- Maxillofacial Prosthodontics.
- Occlusion.
- Fixed Prosthodontics.
- Implant Prosthodontics.

TRAINING PROGRAMME FOR M.D.S. IN PROSTHODONTICS

The candidates undergoing the Post-Graduate training in Prosthodontics will be required to fulfill the following requirement before appearing to the qualifying examination.

I. Training programme in pre-clinical exercises.
II. Training programme in Clinical work.
III. Teaching Assignments.
IV. Seminars.
V. Journal Club
VI. Case Presentations
VII. Pedagogy
VIII. Library dissertation
IX. University Dissertation

POSTGRADUATION COURSE REGULATION AND ACTIVITIES

The candidates shall undergo training for 3 academic years with satisfactory attendance of 80% for each year.

The program out line addresses the knowledge, procedural and operative skills needed in Masters Degree in Prosthodontics. A minimum of 3 years of formal training through a graded system of education as specified will enable the trainee to achieve masters Degree in Prosthodontics including Crown & Bridge and Implantology, competently and have the necessary skills/ knowledge to update themselves with advancements in the field. The course content has been identified and categorized as Essential knowledge.