

BHARATI VIDYAPEETH
(Deemed to be University)
Dental College and Hospital, Sangli

BDS PROGRAM GOALS

The dental graduate during training in the institutions should acquire adequate knowledge necessary skills and reasonable attitude which are required for carrying all activities appropriate to general dental practice involving prevention diagnosis and treatment of anomalies and disease of the teeth, mouth jaws and associated tissues. The graduate should also understand the concept of community oral health education and be able to participate in the rural health care delivery program existing in the country.

Program objectives

The objectives are as follows

Knowledge and Understanding:

The graduate should acquire the following during the period of training

- Adequate knowledge of scientific foundation on which dentistry is based and good understanding of various relevant scientific methods, principals of biological functions, ability to evaluate and analyze scientifically various established facts and data.
- Adequate knowledge of development, structure and function of the teeth, mouth and jaws and associated tissues both in health an disease and their relationship and effect on general state of health and also bearing on physical and social well being of the patient
- Adequate knowledge of clinical discipline and methods which provide a coherent picture of anomalies, lesions and disease of the teeth, mouth and jaws and preventive diagnostic an therapeutic aspects of dentistry
- Adequate clinical experience required for general dental practice
- Adequate knowledge of the constitution, biological function ,and behavior of persons in health and sickness as well as the influence of the natural and social environment on the state of health in so far as it affects dentistry.

Skills:

The graduate should be able to demonstrate following skills

- Diagnosis and manage various common dental programs encountered in general dental practice keeping on mind the expectation and the rights of the society to receive the best possible treatment available
- Prevent and manage complications if encountered while carrying out various surgical and other procedures
- Carry out certain investigative procedures and ability to interpret laboratory finding
- Control pain and anxiety amongst the patients during dental treatment
- Promote oral health and help prevent oral diseases

Attitude:

The graduate should develop following attitude

- Willingness to apply the current knowledge of dentistry in the best interest of the patient and community.
- Maintain a high standard of professional ethics and conduct and apply this in all aspects of professional life.
- To seek to improve awareness and provide possible solutions for oral health problems
- Willingness to participate in CPED program to update knowledge and professional skills
- Help and participate in the implementation of national oral health policy.

BDS PROGRAM SPECIFIC OUTCOME**ORAL MEDICINE AND RADIOLOGY**

- Able to identify precancerous and cancerous lesions of the oral cavity and refer to the concerned specialty for their management
- Should have an adequate knowledge about common laboratory investigations and interpretation of their results
- Should have adequate knowledge about medical complications that can arise while treating systematically compromised patients and take prior precautions/consents from the concerned medical specialist.
- Have adequate knowledge about radiation health hazards, radiations safety and protection.
- Competent to take intra oral radiographs and interpret the radiographic findings
- Gain adequate knowledge of various extra-oral radiographic procedures, TMJ radiography and Sialography.
- Be aware of the importance of intra-and extra-oral radiography in forensic identification and age estimation.
- Should be familiar with jurisprudence, ethics and understand the significance of dental records with respect to law.

PAEDIATRIC AND PREVENTIVE DENTISTRY

- Able to instill a positive attitude and behavior in children towards oral health and understand the principles of prevention and preventive dentistry right from birth to adolescence.
- Able to guide and counsel the guardian/parents with regards to various treatment modalities including different facets of preventive dentistry.
- Able to treat dental diseases occurring the child patient
- Able to manage the physically and mentally challenged/disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions.

ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

- Understand about normal growth and development of facial skeleton and dentition.
- Pinpoint growth aberrations in growth process both dental and skeletal and plan necessary treatment.
- Diagnose the various categories of malocclusion.
- Able to motivate and explain to the patient and parents or guardian about the necessity of treatment.
- Plan and execute preventive orthodontics (space maintainers or space regainer).
- Plan and execute interceptive orthodontics (habit breaking appliance).
- Manage treatment of simple malocclusion such as such as anterior spacing using removable appliances.
- Handle delivery and activation of removable orthodontic appliances.
- Diagnose and appropriately refer patients with complex malocclusion to the specialist.

PERIODONTOLOGY

- Diagnose the patient periodontal problem, plan and perform appropriate periodontal treatment
- Competent to educate and motivate the patient.
- Competent to perform thorough oral prophylaxis, sub gingival scaling, root planning and minor periodontal surgical procedures.
- Give proper post treatment instructions and do periodic recall and evaluation.
- Familiar with the concepts of Osseo integration and basic surgical aspects of Implantology.

PROSTHODONTICS AND CROWN & BRIDGE

- Able to understand and use various dental materials
- Competent to carry out treatment of conventional complete and partial removable dentures and fabricate fixed partial dentures.
- Able to carry out treatment of routine Prosthodontics procedures.
- Familiar with the concept of Osseo integration and the value of implant-supported Prosthodontics procedures.

CONSERVATIVE DENTISTRY AND ENDODONTICS

- Competent to diagnose all carious lesions
- Competent to perform class I and class II cavities and their restoration with amalgam
- Restore class V and class III cavities with glass ionomer cements.
- Able to diagnose and appropriately treat pulpally involved teeth (pulp capping procedure)
- Able to perform RCT for anterior teeth
- Competent to carry out small composite restorations
- Understand the principles of aesthetics dental procedures.

ORAL AND MAXILLOFACIAL SURGERY

- Able to apply the knowledge gained in the basic medical and clinical subjects in the management of patients with surgical problems
- Able to diagnose, manage and treat patients with basic oral surgical problems
- Have a broad knowledge of maxillofacial surgery and oral Implantology
- Should be familiar with legal, ethical and moral issues pertaining to patient care and communication skills.
- Should have acquired the skill to examine any patient with an oral surgical problem in an orderly manner
- Understand and practice the basic principles of asepsis and sterilization
- Should be competent in the extraction of teeth under both local and general anesthesia
- Competent to carry out certain minor oral surgical procedures under LA like trans-alveolar extraction, frenctomy, dento alveolars, simple impaction, biopsy, etc
- Competent to assess, prevent and manage common complications that arises during and after minor oral surgery.
- Able to provide primary care and manage medical emergencies in the dental office
- Familiar with the management of major oral surgical problems and principles involved in in-patient management

PUBLIC HEALTH DENTISTRY

- Apply the principles of health promotion and disease prevention
- Have knowledge of the organization and provision of health care in community and in the hospital services
- Have knowledge of the prevalence of common dental condition in India
- Have knowledge of community based preventive measures.
- Have knowledge of the social, cultural and environmental factors which contribute to health or illness.
- Administer oral hygiene instructions, topical fluoride therapy and fissure sealing.
- Educate patient about the etiology and prevention of oral disease and encourage them to assure responsibility for their oral health.