

DEPARTMENT OF PAEDIATRIC AND PREVENTIVE DENTISTRY

LEARNING OUTCOME

On completion of the undergraduate training programme, the graduate should:

- Be able to arrive at a proper diagnosis by following a scientific and systematic procedure of history taking and examination of orofacial region.
- Be able to understand about normal growth and development of facial skeleton and dentition.
- Be able to assess the growth and development of children (developmental milestones and eruption pattern).
- Be competent to educate and motivate the child and parent.
- Be able to manage children with special needs (physically, mentally and medically).
- Be able to promote optimal oral health by prevention and education.
- Be able to plan and execute preventive and interceptive orthodontics (space maintainers, habit breaking appliances etc).
- Be able to give comfort, relieve pain, remove infection and restore functions.
- Be able to implement the principle of preventive dentistry from birth.
- Be able to instil a positive attitude in children and parents towards oral health.
- Be able to give parental guidance and counselling regarding different facets of preventive dentistry and treatment modalities.

DEPARTMENT OF ORAL MEDICINE & RADIOLOGY

LEARNING OUTCOME

On completion of the undergraduate training program the graduate should:

1. Be competent to do routine patient examination, patient assessment and come to a proper diagnosis.
2. Be able to take necessary radiograph according to the case.
3. Be able to identify pre cancerous lesions and to motivate patients to take medications and follow up.
4. Be able to find proper treatment planning.
5. Be able to prescribe medication if necessary.
6. Know follow up protocols.
7. Be confident enough to counsel patients to cease the usage of tobacco and tobacco products.

The student shall acquire the skill to:

1. Take and interpretation of IOPA radiographs.
2. Take and interpretation of Bite wing radiographs.
3. Take and interpretation of Occlusal radiographs.
4. Observe the Specialized imaging modalities like Panoramic & Skull radiographs, CBCT, etc.
5. Develop an attitude to prevent iatrogenic diseases.

DEPARTMENT OF PUBLIC HEALTH DENTISTRY

LEARNING OUTCOME

On completion of the undergraduate training programme the graduate should:

- 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 service
- Have knowledge of the prevalence of common dental conditions in India
- Have knowledge of community based preventive measures
- Have knowledge of the social, cultural and environmental factors, which contribute to health or illness
- Be able to administer hygiene instructions, topical fluoride therapy and fissure sealing
- Be able to educate patients concerning the etiology and prevention of oral disease and encourage them to assume responsibility for their oral health

The student shall acquire the skill to:

- Identify health problems affecting the society
- Conduct health surveys
- Conduct health education classes and deciding health strategies
- Develop a positive attitude towards the problems of the society and must take responsibilities in providing health and palliative care
- Communicate the needs of the community efficiently, inform the society of all the recent methodologies in preventing oral disease

DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

LEARNING OUTCOME

COURSE: DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY (I BDS)

The course includes instructions in the subject of Dental Morphology, Oral Embryology, Oral Histology and Oral Physiology. A composite study of basic Dental Sciences & their clinical applications.

The student should acquire basic skills in:

- i. Carving of crowns of permanent teeth in wax.
- ii. Microscopic study of Oral tissues.
- iii. Identification of Deciduous & Permanent teeth
- iv. Age estimation by patterns of teeth eruption from plaster casts of different age groups.

After a course on Oral Biology,

- i. The student is expected to appreciate the normal development, morphology, structure & functions of oral tissues & variations in different pathological/non-pathological states.
- ii. The student should understand the histological basis of various dental treatment procedures and physiologic ageing process in the dental tissues.
- iii. The students must know the basic knowledge of various research methodologies

COURSE: ORAL PATHOLOGY & ORAL MICROBIOLOGY (III BDS)

At the end of Oral Pathology & Microbiology course, the student should be able to:

- i. Comprehend the different types of pathological processes that involve the Orofacial tissues.
- ii. Comprehend the manifestations of common diseases, their diagnosis & correlation with clinical pathological processes.
- iii. Understand the oral manifestations of systemic diseases and correlate with the systemic physical signs & laboratory findings.
- iv. Understand the underlying biological principles governing treatment of oral diseases.
- v. Understand the principles of certain basic aspects of Forensic Odontology.

The Following skills are to be developed:

- i. Microscopic study of common lesions affecting oral tissues through microscopic slides & projection slides

- ii. Study of the disease process by surgical specimens
- iii. Study of teeth anomalies/polymorphisms through tooth specimens & plaster casts.
- iv. Microscopic study of plaque pathogens
- v. Study of haematological preparations (blood films) of anaemias & leukemias
- vi. Basic exercises in Forensic Odontology such as histological methods of age estimation and appearance of teeth in injuries.

DEPARTMENT OF PERIODONTOLOGY

LEARNING OUTCOME

On completion of the undergraduate training program the graduate should:

1. Be able to diagnose the patient's periodontal problem, plan and perform appropriate periodontal treatment.
2. Be Competent to educate and motivate the patient.
3. Be Competent to perform thorough oral prophylaxis, subgingival scaling, root planning and minor periodontal surgical procedures.
4. Give proper post treatment instructions and do periodic recall and evaluation.
5. Be Familiar with concepts of osseointegration and basic surgical aspects of implantology.

The student shall acquire the skill to:-

- 1) Perform dental scaling diagnostic tests of periodontal diseases.
- 2) To use the instruments for periodontal therapy and maintenance of the same.
- 3) The student shall develop attitude to:-
 - a) Impart the preventive measures namely, the prevention of periodontal diseases and prevention of the progress of the disease.
 - b) Perform the treatment with full aseptic precautions.
 - c) Shall develop an attitude to prevent iatrogenic diseases.
 - d) To conserve the tooth to the maximum possible time by maintaining periodontal health.
 - e) To refer the patients who require specialist's care.

DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

LEARNING OUTCOMES

On completion of the undergraduate training programme the graduate should:

- Understand about normal growth and development of facial skeleton and dentition.
- Be able to pinpoint aberrations in growth process both dental and skeletal and plan necessary treatment.
- Be able to diagnose the various malocclusion categories.
- Be able to motivate and explain to the patient and parent/guardian about the necessity of treatment.
- Be able to plan and execute interceptive orthodontics (habit breaking appliances)
- Be able to manage treatment of simple malocclusion such as anterior spacing using removable appliances.
- Be able to handle delivery and activation of removable orthodontic appliances.
- Be able to diagnose and appropriately refer patients with complex malocclusion to the specialist.

DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE

LEARNING OUTCOMES

On completion of the Undergraduate training programme, the graduate should

- Be able to understand and use various dental materials
- Be competent to carry out treatment of conventional simple complete and partial removable dentures
- Be able to carry out Prosthodontic laboratory procedures
- Be familiar with the concepts of osseointegration and the value of implant supported Prosthodontic procedures
- Be able to diagnose and appropriately refer patients requiring complex treatment procedures to the specialist