



CHILDREN'S EDUCATION SOCIETY (Regd.)

THE OXFORD DENTAL COLLEGE

(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka & Recognised by Dental Council of India, New Delhi)

Bommanahalli, Hosur Road, Bangalore - 560 068.

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LIST OF COMPETENCIES

DEPARTMENT OF ORAL MEDICINE & RADIOLOGY

Competencies for Undergraduate Students

At the completion of the undergraduate training Programme the graduates shall be competent in the following. -

General Skills

- Apply knowledge & skills in day-to-day practice
- Apply principles of ethics
- Analyze the outcome of treatment
- Evaluate the scientific literature and information to decide the treatment
- Participate and involve in professional bodies
- Self-assessment & willingness to update the knowledge & skills from time to time
- Involvement in simple research projects
- Minimum computer proficiency to enhance knowledge and skills
- Refer patients for consultation and specialized treatment
- Basic study of forensic odontology and geriatric dental problems
- Practice Management
- Evaluate practice location, population dynamics & reimbursement mechanism
- Co-ordinate & supervise the activities of allied dental health personnel
- Maintain all records
- Implement & monitor infection control and environmental safety programs
- Practice within the scope of one's competence
- Communication & Community Resources
- Assess patients' goals, values and concerns to establish rapport and guide patient care
- Able to communicate freely, orally and in writing with all concerned
- Participate in improving the oral health of the individuals through community activities.
- Patient Care - Diagnosis
- Obtaining patient's history in a methodical way
- Performing thorough clinical examination
- Selection and interpretation of clinical, radiological and other diagnostic information
- Obtaining appropriate consultation
- Arriving at provisional, differential and final diagnosis
- Patient Care - Treatment Planning
- Integrate multiple disciplines into an individual comprehensive sequence treatment plan using
- diagnostic and prognostic information
- Able to order appropriate investigations
- Patient Care - Treatment

Anuradha
Pr. f. & H.O.D. -
Dept of Oral Medicine & Radiology
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- Recognition and initial management of medical emergencies that may occur during Dental treatment
- Perform basic cardiac life support
- Management of pain including post operative
- Administration of all forms of local anesthesia
- Administration of intra muscular and venous injections
- Prescription of drugs, pre operative, prophylactic and therapeutic requirements
- Uncomplicated extraction of teeth
- Transalveolar extractions and removal of simple impacted teeth
- Minor oral surgical procedures
- Management of Oro-facial infections
- Simple orthodontic appliance therapy
- Taking, processing and interpretation of various types of intra oral radiographs
- Various kinds of restorative procedures using different materials available
- Simple endodontic procedures
- Removable and fixed prosthodontics
- Various kinds of periodontal therapy
- 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 systemically compromised patients and take prior precautions/ consent 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 radiographs in forensic identification and age estimation.
- Should be familiar with jurisprudence, ethics and understand the significance of dental records with respect to law.



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Curriculum of Dental Internship Programme

- The duration of Internship shall be one year.
- All parts of internship shall be done in a Dental College duly recognized/approved by the Dental Council of India for the purpose of imparting education and training to Dental graduates in the country.
- The Interns shall be paid stipendiary allowance during the period of an Internship not extending beyond a period of one year.
- The internship shall be compulsory and rotating as per the regulations prescribed for the purpose.
- The degree- BDS shall be granted after completion of internship.
- Determinants of Curriculum for internship for Dental Graduates:

The curricular contents of internship training shall be based on.

1. Dental health needs of the society.
2. Financial, material and manpower resources available for the purpose.
3. National Dental Health Policy.
4. Socio-economic conditions of the people in general.
5. Existing Dental as also the primary health care concept, for the delivery of health Service.
6. Task analysis of what graduates in Dentistry in various practice settings, private and government service actually performs.
7. Epidemiological studies conducted to find out prevalence of different dental health problems, taking into consideration the magnitude of dental problems, severity of dental problems and social disruption caused by these problems.

Objectives :

A. To facilitate reinforcement of learning and acquisition of additional knowledge: -

- Reinforcement of knowledge.
- Techniques & resources available to the individual and the community; Social and cultural setting.

Training in a phased manner, from a shared to a full responsibility.

B. To facilitate the achievement of basic skills: attaining competence Vs. maintaining competence in:-

- History taking.
- Clinical Examination.
- Performance and interpretation of essential laboratory data.
- Data analysis and inference.
- Communication skills aimed at imparting hope and optimism in the patient.



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- Attributes for developing working relationship in the Clinical setting and Community team work.
- C. To facilitate development of sound attitudes and habits: -
 - Emphasis on individual and human beings, and not on disease/symptoms.
 - Provision of comprehensive care, rather than fragmentary treatment.
 - Continuing Dental Education and Learning of accepting the responsibility.
- D. To facilitate understanding of professional and ethical principles: -
 - Right and dignity of patients.
 - Consultation with other professionals and referral to seniors/institutions.
 - Obligations to peers, colleagues, patients, families and Community.
 - Provision of free professional services in an emergent situation.

To initiate individual and group action, leading to disease prevention and dental health promotion, at the level of individuals families and the community.

Content (subject matter)

The compulsory rotating paid Dental Internship shall include training in Oral Medicine & Radiology; Oral & Maxillofacial Surgery; Prosthodontics; Periodontics; Conservative Dentistry; Pedodontics; Oral Pathology & Microbiology; Orthodontics and Community Dentistry.

General Guidelines:

1. It shall be task-oriented training. The interns should participate in various institutional and field programmes and be given due responsibility to perform the activities in all departments of the Dental Colleges and associated Institutions.
2. To facilitate achievement of basic skills and attitudes the following facilities should be provided to all dental graduates:
 - i) History taking, examination, diagnosis, charting and recording treatment plan of cases.
 - ii) Presentation of cases in a group of Seminar.
 - iii) Care and sterilization of instruments used.
 - iv) Performance and interpretation of essential laboratory tests and other relevant investigations.
 - v) Data analysis and inference.
 - vi) Proper use of antibiotics, anti-inflammatory and other drugs, as well as other therapeutic modalities.
 - vii) Education of patients, their relatives and community on all aspects of dental health care while working in the institution as also in the field.
 - viii) Communication aimed at inspiring hope, confidence and optimism.
 - ix) Legal rights of patients and obligations of dental graduate under forensic jurisprudence.

1. Standardized examination of patients 25 Cases
2. Exposure to clinical, pathological laboratory procedures and biopsies. 5 Cases
3. Effective training in taking of Radiographs: 2 Full mouth (Intra-oral) I.O. (Extra oral) E.O. 1 Cephalogram 1
4. Effective management of cases in wards 2 Cases



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DEPARTMENT OF ORAL & MAXILLOFACIAL SURGERY

- Case history taking
- Examination of the patient
- Recording blood pressure
- Use of different instruments in oral & maxillofacial surgery
- Various local anesthetic injection techniques on patients
- Extraction of mobile and firm teeth
- Trans-alveolar extraction of root stumps
- Surgical removal of simple impacted teeth
- Management of dentoalveolar fractures with arch bar, eyelets and intermaxillary fixation.
- Training in basic life support skills.



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DEPARTMENT OF CONSERVATIVE DENTISTRY & 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 cement
- Able to diagnose and appropriately treat pulpally involved teeth (pulp capping procedures)
- Able to perform RCT for anterior teeth
- Competent to carry out small composite restorations
- Understand the principles of aesthetic dental procedures



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DEPARTMENT OF ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

Clinical exercises (III Year)

1. Making upper Alginate impression
2. Making lower Alginate impression
3. Study model preparation
4. Model Analysis
 - a. Pont's Analysis
 - b. Ashley Howe's Analysis
 - c. Carey's Analysis
 - d. Bolton's Analysis
 - e. Moyer's Mixed Dentition analysis
 - f. Huckhaba's Analysis

Clinical exercises (IV Year)

1. Case History Training
2. Case Discussion
3. Discussion on the given topic
4. Cephalometric tracings
 - a. Down's Analysis
 - b. Steiner's Analysis
 - c. Tweed's Analysis



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DEPARTMENT OF PEDODONTICS & PREVENTIVE DENTISTRY

Practical's/Clinics

1. Student is trained to arrive at proper diagnosis by following a scientific and systematic procedure of history taking and examination of orofacial region.
2. Training is also imparted in management whenever possible.
3. In view of the above, each student shall maintain a record of work done, which shall be evaluated for marks at the time of university examination.

Pre-clinical (III Year)

- Drawing of Individual primary teeth morphology
- Preparation of various cavity designs on typodont teeth and extracted primary and permanent teeth
- Fabrication of habit-breaking appliances

Clinical exercises (IV Year)

- Case History Recording and Treatment Planning
- Communication and Management of child patient
- Preventive measures - oral prophylaxis, topical fluoride application
- Restoration of various teeth using different materials
- Extraction of primary teeth



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ORAL AND MAXILLOFACIAL PATHOLOGY AND ORAL MICROBIOLOGY

- Student be able to identify hard and soft tissue oral pathological specimens ,microscopic slides of various oral lesions and demonstration of cytosmears and bacteriological smears is done.
- Student should be able to identify the age of patients based on patterns of teeth eruption of different age groups.
- The student should understand the histological basis of various dental treatment procedures and physiologic ageing process in the dental tissues.
- The students must know the basic knowledge of various research methodologies.
- Student should be able to identify different types of pathological processes, that involve the oral cavity.
- The manifestations of common diseases, their diagnosis & correlation with clinical pathological processes.
- An understanding of the oral manifestations of systemic diseases should help in correlating with the systemic physical signs & laboratory findings.
- The student should understand the underlying biological principles governing the treatment of oral diseases.
- Student should have knowledge of the principles of certain basic aspects of Forensic Odontology.
- Develop communication skills especially to interact with peers and patients.
- Develop leadership skills and to work with a team and to get the best out of it.
- Professional honesty and integrity are fostered



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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 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 env. Factors which contribute to health or illness.
- Administer and hygiene instructions, topical fluoride therapy and fissure sealing.
- Educate patients concerning the aetiology and prevention of oral disease and encourage them to assure responsibility for their oral health.

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