




Dayananda Sagar College of Dental Sciences

BDS – PROGRAMME SPECIFIC OUTCOMES (PSOs)


PRINCIPAL
Dayananda Sagar College of Dental Sciences
Kumaraswamy Layout,
Bangalore - 560 078.

DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES,

Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru- 560078

PROGRAMME SPECIFIC OUTCOMES (PSOs)

Name of the institution	-Dayananda Sagar College of Dental Sciences (DSCDS),
Programme outcome proposed by	-Academic Advisory Council-DSCDS
Programme outcome approved by	-Internal Quality Assurance Cell-DSCDS
Programme approved by	- Dental Council of India (Regulating body)
Affiliated to	- Rajiv Gandhi University of Health Sciences
Date of approval by AAC	- 18-01-2018
IQAC approval	- 17-02-2021

BDS-PROGRAMME SPECIFIC OUTCOMES (BDS-PSOs)

The undergraduate dental programme leading to BDS Degree is of four Academic years and a year of paid rotating Internship in the dental college and hospital. The detailed curriculum of BDS Programme will be followed as per the recommendations from Dental Council of India and Rajiv Gandhi University of Health Sciences with addition of Add-on course modules and value-added courses to enrich the curriculum and make it a student centric and outcome based dental education (OBE).

The dental students during the programme will acquire adequate knowledge (cognitive), necessary skills (psychomotor) and reasonable attitudes (affective) which are the three domains of learning through integration of the basic sciences, clinical dentistry and practical or laboratory aspects. This is required for carrying out all activities appropriate to general dental practice involving the prevention, diagnosis and treatment of anomalies and diseases of the teeth, mouth, jaws, and associated tissues. The graduate will understand the concept of community oral health education and be able to participate in the rural health care delivery programmes existing in the country.

PROGRAMME SPECIFIC OUTCOMES:

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

(A) General Skills :

-Apply knowledge& skills in day to day practice.


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- 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.

(B) 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.

(C) 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.

(D) 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.

(E) Patient Care – Treatment Planning:

- Integrate multiple disciplines into an individual comprehensive sequence treatment plan using diagnostic and prognostic information.
- Able to order appropriate investigations.

(F) Patient Care – Treatment:

- 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 anaesthesia.
- Administration of intra muscular and venous injections.
- Prescription of drugs, pre operative, prophylactic and therapeutic requirements.


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- 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.

(G) ORAL MEDICINE & RADIOLOGY :

- Able to identify precancerous and cancerous lesions of the oral cavity and refer to the concerned speciality 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.

(H) PAEDIATRIC & 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 parents in regards to various treatment modalities including different facets of preventive dentistry.
- Able to treat dental diseases occurring in child patient.
- Able to manage the physically and mentally challenged disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions.

(I) ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS:

- Understand about normal growth and development of facial skeleton and dentition.
- Pinpoint aberrations in growth process both dental and skeletal and plan necessary treatment.


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- Diagnose the various malocclusion categories.
- Able to motivate and explain to the patient (and parent) about the necessity of treatment.
- Plan and execute preventive orthodontics (space maintainers or space regainers).
- Plan and execute interceptive orthodontics (habit breaking appliances) .
- Manage treatment of simple malocclusion 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.

(K) PERIODONTOLOGY:

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

(L) 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 prosthodontic procedures.
- Familiar with the concept of osseointegration and the value of implant-supported Prosthodontic procedures .

(M) 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 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.

(N) ORAL & 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.


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- Should be familiar with legal, ethical and moral issues pertaining to the 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 the teeth under both local and general anesthesia.
- Competent to carry out certain minor oral surgical procedure under LA like trans-alveolar extraction, frenectomy, dento alveolar procedures, simple impaction, biopsy, etc.
- Competent to assess, prevent and manage common complications that arise 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 the inpatient management.

(O) PUBLIC HEALTH DENTISTRY :

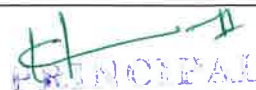
- Apply the principles of health promotion and disease prevention.
- Have knowledge of the organization and provision of health care in community and in the hospital service.
- Have knowledge of the prevalence of common dental conditions in India.
- Have knowledge of community based preventive measures.
- 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.

MDS-PROGRAMME SPECIFIC OUTCOMES (MDS-PSOs)


Chairman, Academic Advisory Council


CO-Ordinator, IQAC


Member Secretary, Academic Advisory Council


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