

Programme Outcomes for BDS

PO1: General Skills

- Apply knowledge & skills in day-to-day practice
- Apply principles of ethics Analyse 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

PO2: Practice Management

- Evaluate practice location, population dynamics & reimbursement mechanism
- Co-ordinate & supervise the activities of allied dental health personnel
- Evaluate the scientific literature and information to decide the treatment
- Maintain all records
- Implement & monitor infection control and environmental safety programs
- Practice within the scope of one's competence

PO3: 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.

PO4: Patient Care – Diagnostist

- 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


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- Arriving at provisional, differential and final diagnosis

PO5: Patient Care – Treatment Planning

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

PO5 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
- 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

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Attainment Methods

Institution has well established processes and procedures for teaching learning and assessment which accomplish the goal of outcome-based education in dentistry. The institution continuously efforts to nurture the skills, knowledge and aptitude about the dental science discipline among the students for better employment prospectus, research and problem-solving skills, patient care, innovation and discovery of new knowledge to achieve the said outcomes.

Teaching Learning Process involves the innovative methods with array of activities such as:

- Simulation based and model-based learning for pre-clinal skills like carving of teeth, teeth setting and arrangement, preparation of special trays, border moulding, cavity preparations, taking impressions, acrylization etc.
- Patient Centric and evidence Based Learning for clinical skills such as LA block, cavity preparations, removable partial dentures, complete dentures, scaling and polishing of teeth, diagnosis and treatment of special cases, histological diagnosis etc.
- Participatory learning through projects/posters/tabletop presentations and seminars to impart the knowledge in various disciplines
- ICT enhanced teaching learning process gives emphasis on use of digital & technological interventions in classroom for active learning and student engagement.
- Special training such as basic life support, biomedical waste management and implantology are provided.
- In addition to this, college also provides special value added and add-on programmes for skills enhancement and knowledge updating by incorporating recent trends in dentistry.

Assessment Methods

Institutions applies various assessments in direct and indirect mode to measure the outcomes of educations and learning among the students about pre-clinical and clinical aspects, which are summarized below:

- **Formal Assessment:** As per the calendar of events institute conduct three internal examinations and RGUHC conducts external examination for both theory and practical with weightage of 30% and 70% respectively.
- **Objective Methods of Assessment:** Different Dental departments also performs the Objective evaluation of the students which directly connected with direct learning outcomes using the OSCE/OSPE Methods.
- **Informal Assessment:** For periodic and continuous assessment students are provided with topic specific assignments, Seminars, group discussions and their feedback about learning satisfactions as course exit survey.

CO attainment is defined/set at three levels.

The CO attainment is based on end term examination assessment carried out by RGUHS

- i. Level-1: 40% students score more than class average
- ii. Level-2: 50% students score more than class average


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iii. Level-3: 60% students score more than class average

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Graduate Attributes

The objectives are dealt under three headings namely (a) knowledge and understanding (b) skills and (c) attitudes.

Knowledge and understanding

The students should acquire the following during the period of training.

1. Adequate knowledge of the scientific foundations on which dentistry is based and good understanding of various relevant scientific methods, principles of biological functions and should be able to evaluate and analyze scientifically various established facts and data.
2. Adequate knowledge of the development, structure and function of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on general-state of health and also the bearing on physical and social well-being of the patient.
3. Adequate knowledge of clinical disciplines and methods, which provide a coherent picture of anomalies, lesions and diseases of the teeth, mouth and jaws and preventive, diagnostic and therapeutic aspects of dentistry.
4. Adequate clinical experience required for general dental practice.
5. Adequate knowledge of 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 so far as it affects dentistry.

Skills

The student should be able to demonstrate the following skills necessary for practice of dentistry

1. Able to diagnose and manage various common dental problems encountered in general dental practice, keeping in mind the expectations and the right of the society to receive the best possible treatment available wherever possible.
2. Acquire skill to prevent and manage complications if encountered while carrying out various dental surgical and other procedures.
3. Possess skill to carry out required investigative procedures and ability to interpret laboratory findings.
4. Promote oral health and help to prevent oral diseases wherever possible.
5. Competent in control of pain and anxiety during dental treatment.

Attitudes

A student should develop during the training period the following attitudes.

1. Willing to apply current knowledge of dentistry in the best interest of the patients and the community.
2. Maintain a high standard of professional ethics & conduct and apply these in all aspects of professional life.


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3. Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community.
4. Willingness to participate in the continuing education programmes to update knowledge and professional skills from time to time.
5. To help and to participate in the implementation of national health programmes.

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