

From the revised ordinance governing the Bachelor of Dental Surgery course

Graduate Attributes

The dental graduates during training in the institutions should acquire adequate knowledge, necessary skills and such attitudes which are required for carrying out all the 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 should also understand the concept of community oral health education and be able to participate in the rural health care programs existing in the country.

Learning outcomes of the BDS course:

a. Knowledge and understanding

The graduate 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 analyse 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 behaviour 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.

b. Skills

A graduate 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.

c. Attitudes

A graduate 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 and conduct and apply these in all aspects of professional life.

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Generic learning outcomes as per revised ordinance of Master of Dental Surgery

The objective is to train a candidate so as to ensure higher competence in both general and special area of interest and prepare him for a career in teaching, research and speciality practice. A candidate must achieve a high degree of clinical proficiency in the subject matter and develop competence in research and its methodology as related to the field concerned.

The above objectives are to be achieved by the time the candidate completes the course.

The objectives may be considered as under -

1. Knowledge (Cognitive domain)
2. Skills (Psycho motor domain)
3. Human values, ethical practice and communication abilities

Knowledge:


1. Demonstrate understanding of basic sciences relevant to speciality.
2. Describe etiology, pathophysiology, principles of diagnosis and management of common problems within the speciality in adults and children.
3. Identify social, economic, environmental and emotional determinants in a given case and take them into account for planning treatment.
4. Recognise conditions that may be outside the area of speciality/competence and to refer them to an appropriate specialist.
5. Update knowledge by self study and by attending courses, conferences, seminars relevant to speciality.
6. Undertake audit, use information technology and carry out research both and clinical with the aim of publishing or presenting the work at various seminars or professional gatherings.

Skills:

1. Take a proper clinical history, examine the patient, perform essential diagnostic procedures and order relevant tests and interpret them to come to a reasonable diagnosis about the condition.
2. Acquire adequate skills and competence in performing various procedure required in the speciality.

Human values, ethical practice and communication abilities:

1. Adopt ethical principles in all aspects of practice.
2. Professional honesty and integrity are to be fostered.
3. Patient care is to be delivered irrespective of social status, caste, creed or religion of the patient.
4. Develop communication skills, in particular and skill to explain various options available in management and to obtain a true informed consent from the patient
5. Provide leadership and get the best out of his team in a congenial working atmosphere.
6. Apply high moral and ethical standards while carrying out human or animal research.
7. Be humble and accept the limitations in his knowledge and skill and to ask for help from colleagues when needed
8. Respect patient's rights and privileges including patient's right to information and right to seek a second opinion.


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