

Learning Outcomes of BDS students

On completion of the undergraduate training program 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.

Inclined to do simple research projects.

Acquire minimum computer proficiency to enhance knowledge and skills.

Be aware of one's limitations and know when to refer patients to specialists.

Be familiar with basic forensic odontology techniques and manage geriatric dental problems.

ii. Practice Management

Evaluate practice location, population dynamics & reimbursement mechanism.

Able to communicate freely, orally and in writing with all concerned.

Maintain records.

Implement & monitor infection control and environmental safety programs.

Assess patient's goals, values and concerns to establish rapport and guide patient care.

Co-ordinate & supervise the activities of allied dental health personnel.

Participate in improving the oral health of the individuals through community activities

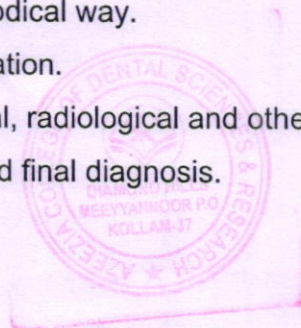
iii. Patient Care - Diagnosis

Obtaining patient's history in a methodical way.

Performing thorough clinical examination.

Selection and interpretation of clinical, radiological and other diagnostic information.

Arriving at provisional, differential and final diagnosis.



iv. Patient Care - Treatment Planning

Integrate multiple disciplines into an individual comprehensive sequenced treatment plan using diagnostic and prognostic information.

Be able to order appropriate investigations.

v. 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 anesthesia.

Administration of intra muscular and intra 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 basic fixed prosthodontics.

Various kinds of periodontal therapy.



Learning Outcomes of MDS students:

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 specialty 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 –

Knowledge (Cognitive Domain)

Skills (Psychomotor Domain)

Human values, ethical practice and communication abilities.

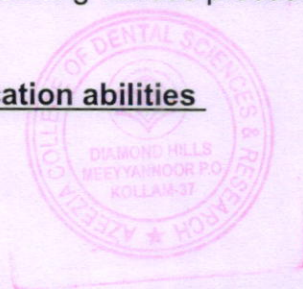
Knowledge

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

Skills

- 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.
- Acquire adequate skills and competence in performing various procedures as required in the specialty.

Human values, ethical practice and communication abilities



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



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