

Lahore Medical & Dental College



Standard 2

Outcomes

Outcomes of Dental Undergraduate Program (BDS)

The desired competencies of LMDC graduates upon completion of the dentistry (BDS) program are reflected in the graduate outcomes. These fundamental skills are educational statements that offer guidance and clarity for creating lesson plans, instructional techniques, and evaluation protocols.

The outcomes of a dental undergraduate program (BDS) can be organized within a thematic framework to provide a comprehensive understanding of the skills and knowledge that graduates should possess.

1. Clinical Competencies
2. Community Health Promoter
3. Professionalism
4. Research and evidence-based practice
5. Interdisciplinary Collaboration

Objectives of the Dental Program:

The goals of this program are designed to guide the dentistry curriculum and align with our college's mission, the vision of UHS, and the desired results.

This will produce graduates who are ready to take on the patient care obligations required of newly graduated resident dentists and who will have the qualities that a fully qualified dental surgeon should have to practice.

This thematic framework helps organize the diverse skills and knowledge that graduates of a BDS program should acquire. It provides a holistic view of the competencies and values that a well-rounded dental professional should possess to excel in their field and serve the needs of their patients and communities effectively

1. Clinical Competencies

Objective	Graduates should demonstrate proficiency in clinical skills, including dental examinations, diagnosis, treatment planning, and the execution of various dental procedures. This theme emphasizes their ability to provide high-
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	quality patient care.
Knowledge	• To differentiate normal and abnormal oral and dental tissues. • To diagnose and treat common and simple oral/dental diseases. • To successfully diagnose and relieve dental/pulpal pain and oro-facial pain • To successfully diagnose patients with periodontal diseases and successfully apply the theory. • To know the basic principles of cone beam CT scan. • To participate and attend scientific conferences and activities. • To volunteer in current research projects pertinent to the faculty.
Skill	• To prepare and restore teeth using amalgam and tooth colored program. • To successfully extirpate the pulp and perform root canal treatment of single rooted teeth. • To identify the clinical indications for using different dental implant system • To treat patient indicated for simple removable partial dentures and complete dentures. • To identify the clinical indications for single metal ceramic crowns and metal ceramic bridge. • To describe clinical indications for veneers, metal free ceramics. • To identify the need for orthodontic treatment in dental patients. • To successfully give local anesthesia in the oral cavity. • To successfully perform non-surgical extraction and identify the clinical indications for various oral surgical procedures. • To recognize and apply cross infection control guidelines in dental practices.

	• To select the best treatment option based on medical, dental, social consideration of the patient as well as the available resources. • To recognize advanced cases that need specialist care and refer to the appropriate specialist. • To select and follow up appropriate scientific resources of information containing updated new guidelines, material and treatment modalities. • The ability to communicate effectively, both verbally and in writing with patients, patient's families, colleagues and allied health professionals. • To recognize the basic steps of the research process.
Attitude	• To provide routine dental care for cooperative healthy children.

2. Community Health Promoter

Objective	The dental graduate must ensure that the graduate understands the need to promote, maintain, and improve the health of individuals and the community by demonstrating.
Knowledge	• Knowledge about the risk factors for the diseases and how to utilize disease prevention practices for the patient. • Knowledge of the determinants of poor dental health and of the economic, psychological, social, and cultural factors that contribute to the development and/or continuation of dental disease. • Knowledge of the epidemiology of the common dental diseases within a defined population, and systematic approaches useful in reducing the incidence and prevalence of those diseases. • Knowledge of various approaches to the organization, financing, and delivery of dental health care.
Skill	• The ability to retrieve, manage, and utilize biomedical information for solving problems and making decisions that are relevant to the care of individuals and populations. • A commitment to advocate in voluntary community dental activities.
Attitude	• To show increased participation in voluntary community dental activities.

3. Professionalism:

Objective	The dental college must ensure that the graduate understands professionalism and leadership qualities by demonstrating:
Knowledge	• Knowledge of the principles that governs ethical decision making. • Accountability to patients, community and the profession.
Skill	• Trust and integrity in professional dealings. • Capability to lead when appropriate and to defer to the leadership of others when indicated.
Attitude	• Empathy while caring for patients and respect their privacy and dignity. • A commitment to bring to the practice of dentistry those attitudes and values that underpin ethical and beneficent dental care. • A commitment to work collaboratively with other fellow colleagues, dentist and healthcare professionals.

4. Research and evidence-based practice

Objective	This theme encourages graduates to engage in research and apply evidence-based practices to enhance patient care and keep up with the latest advancements in dentistry.
Knowledge	• Identify a researchable problem and critically review literature
Skill	• Phrase succinct research questions and formulate hypothesis • Identify the appropriate research design(s) in epidemiology and analytical tests in biostatistics to answer the research question • Collect, analyze and evaluate data, and present results
Attitude	• Demonstrate ethics in conducting research and in ownership of intellectual property

5. Interdisciplinary Collaboration

Objective	Graduates should be skilled at collaborating with other healthcare professionals to provide comprehensive care when needed.
Knowledge	• Understanding effective communication techniques, including both verbal and non-verbal communication, as well as different communication styles and their impact on collaboration • Awareness of the importance of shared goals and objectives within interdisciplinary teams and how they contribute to better patient outcomes
Skill	• Proficiency in working collaboratively within a team, including active listening, giving and receiving feedback, and resolving conflicts constructively • The skill to plan and coordinate care with other professionals, considering the unique contributions of each discipline and the patient's needs. • Proficiency in sharing relevant patient information, keeping records, and ensuring the secure exchange of medical data among interdisciplinary team members
Attitude	• A respectful and empathetic attitude towards patients, their families, and other healthcare team members, valuing diversity and the unique contributions of each team member • Taking responsibility for one's actions and decisions, and being reliable and dependable as a team member • Being open to change, able to adapt to evolving healthcare practices, and willing to embrace new technologies and advancements in healthcare

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