



Rashid Latif Dental College

Clinical Learning Resources

Scope & Challenges

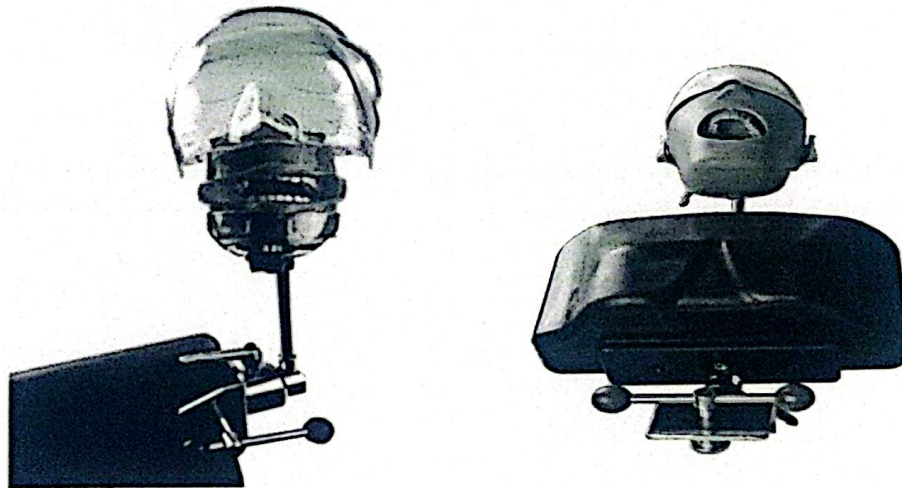
1. Clinical skills laboratories serve as vital educational facilities for undergraduate dental students. They offer a safe and controlled environment where learners can practice clinical techniques before applying them in real-world clinical settings.
2. These laboratories ensure that students develop the necessary skills and undergo proper assessment before working with actual patients. Additionally, they facilitate the acquisition, maintenance, and enhancement of clinical skills required in healthcare professions.
3. The term 'clinical skills' encompasses various competencies, such as history-taking, physical examination, clinical investigations, diagnostic reasoning, procedural precision, effective communication, teamwork, and professionalism.

Skills Laboratory / Phantom Head Laboratory at Rashid Latif Dental College

4. A unique feature of Rashid Latif Dental College is its Phantom Head Laboratory, which plays a crucial role in introducing dental students to human anatomy, focusing on the structure of the teeth. The lab also emphasizes the correct orientation of the dental workstation and proper posture for both the patient and the practitioner.

5. The Phantom Head Laboratory is equipped with 25 phantom heads and 50 attachments for student training. A sufficient stock of acrylic teeth is available for practical use alongside the phantom heads. The following skills are practiced and taught at the Phantom Lab:

- A. Impression Taking
- B. Cavity Preparation (Class I, II, III, IV, V, VI)
- C. Tooth Preparation for Crown & Bridge
- D. Patient Positioning
- E. Periodontal Probing



Commitment to Clinical Education

6. Rashid Latif Dental College has made significant investments in creating educational facilities dedicated to the teaching of clinical skills. The first clinical skills laboratory was established at Maastricht University, Limburg, in 1976. Since then, numerous medical schools and educational institutions have integrated clinical skills labs into their curricula.

7. Most clinical skills labs teach core competencies such as history-taking, physical examination, and technical procedures. The specific nature of the skills taught is typically determined by the local logistical and educational needs. With technological advancements and evolving teaching methodologies, the range of skills taught in these labs has expanded.

8. This variety necessitates the definition of competencies and the establishment of required proficiency levels at each institution. Consequently, many labs involve Curriculum Management Committees and faculty members in the planning and implementation of skill development programs.

Supervision of Clinical Learning in Dental Units

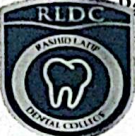
9. Clinical learning in the dental departments is closely supervised to ensure that students receive optimal hands-on training and guidance. Each department is equipped with dedicated dental units where students practice under the supervision of experienced faculty members, ensuring they meet the required standards of competence before progressing to patient care. These units are designed to facilitate a range of clinical procedures, from basic examinations to more advanced treatments.

Sr. No	Dental Department	Required Units	Available Units
1	Oral & Maxillofacial Surgery	14	14*
2	Orthodontics	6	10
3	Prosthodontics	12	12
4	Operative Dentistry	20	27
5	Periodontology	16	18
6	Pediatric Dentistry	5	6
7	Oral Diagnosis & Oral Medicine	2	4
8	Phantom Lab	-	25
9	Dental Emergency	-	2*

Note:

- One dental unit of Oral & Maxillofacial Surgery has been placed in the Dental Emergency unit for immediate patient care.

EXAMPLE:

S r . N o	Learning Resource	Topic/ Compete ncy	Instructional Method (e.g., Hands- on, Demonstratio n, Simulation, Case-based learning)	Intend ed Learn ing Outco me(s)
1	Typodonts with Caries	Class II Cavity Preparation	Hands-on	Prepare conservative restorations on typodonts
2	Standardized Patient	History taking for ulcers	Role-play / Simulation	Elicit relevant medical/dental history
3	Tooth Carving Blocks	Tooth Morphology	Hands-on	Identify & reproduce anatomical features of teeth
4	Dental Health Education Kits	Oral hygiene instruction	Demonstration	Communicate oral health concepts to communities
5	 Pad	Exodontia	Hands-on, Simulation	Perform figure of 8 suture

Learning Resources Form

Department/Subject:	
Head of Department:	
Program/Year:	
Batch:	

SECTION B: AVAILABLE LEARNING RESOURCES

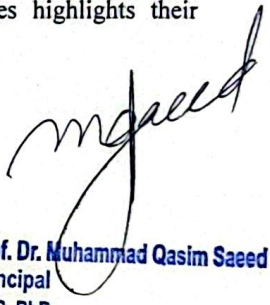
Please tick all the instructional resources that are currently available and utilized in your department for preclinical and clinical teaching.

☐ Phantom Head Units ☐ Typodonts ☐ Dental Manikins ☐ Endodontic Training Blocks ☐ Suturing Simulators / Pads ☐ Rubber Dam Application Trainers ☐ Extraction Simulators ☐ Periodontal Procedure Models ☐ Bracket Placement Typodonts ☐ Articulators ☐ Wax-up / Mounting Units ☐ Dental Models ☐ Plastic / Resin Teeth	☐ Anatomical Dissection Models / Cadavers ☐ Human Specimens (e.g., organs, pathology samples) ☐ Clinical Case Files ☐ Ward Simulation Rooms ☐ Hospital Equipment (e.g., BP apparatus, Pulse oximetry) ☐ OPD Observation Logs ☐ History-Taking Simulators ☐ OSCE Stations (e.g., communication, ethics) ☐ Skill Labs (IV insertion, wound care,
---	---

☐ Human Tooth Specimens ☐ Tooth Carving Blocks ☐ Dental Imaging Software ☐ Histopathology / Oral Path Slide Bank ☐ Oral Radiograph Archives ☐ Standardized Patients ☐ Peer Physical Examination ☐ CPR / Emergency Response Manikins ☐ Dental Photography Tools	etc.) ☐ Multimedia Lectures (e.g., clinical decision-making) ☐ Diagnostic Imaging Samples (X-rays, CTs) ☐ Emergency Response Kits / Scenarios ☐ Physical Examination Checklists / Simulators ☐ Online Clinical Cases / Case-Based Learning Platforms ☐ Case-Based Discussion Videos ☐ Drug Charts and Prescription Review Materials ☐ Infection Control Demonstration Kits ☐ Multimedia / Skill Demonstration Videos ☐ Virtual / Augmented Reality Modules ☐ Community Dental Health Education Kits ☐ SOP Charts / Clinical Protocol Posters ☐ Cephalometric Tracing Sheets / Tracing Table
---	---

Conclusion

10. The development and integration of skills laboratories in healthcare education are crucial for preparing students for the complexities of clinical practice. These labs not only provide foundational skills but also ensure that students are well-prepared to handle real-world scenarios with competence and confidence. The extensive array of procedures covered in these facilities highlights their importance in modern medical & dental training.


Prof. Dr. Muhammad Qasim Saeed
Principal
BDS, PhD
Rashid Latif Dental College, Lahore