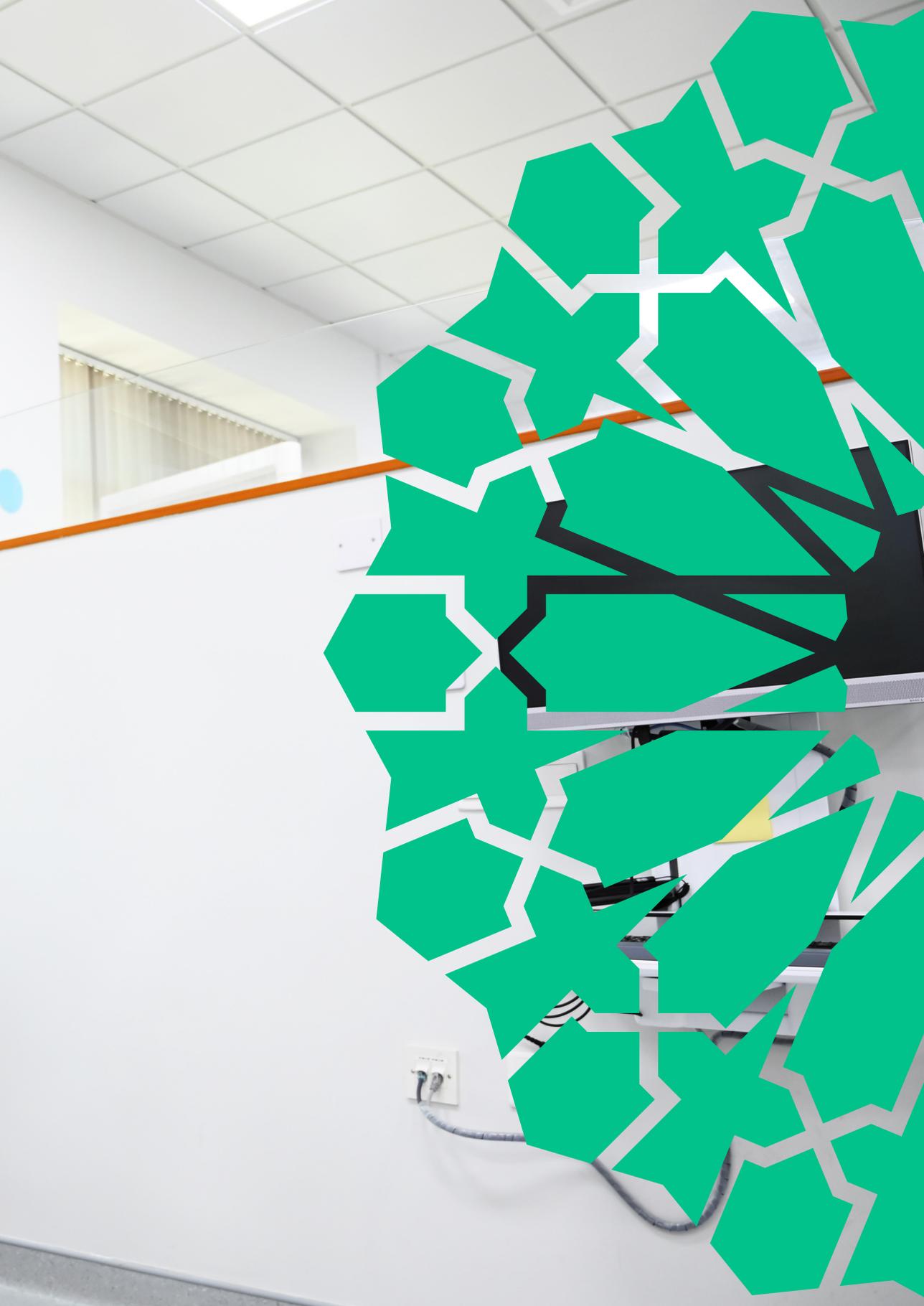
A modern dental clinic setting. In the foreground, a white dental chair with a dark blue seat and backrest is positioned. To the left, a large black monitor is mounted on a stand. Various dental instruments, including a handpiece and a control panel, are visible on a tray in front of the chair. In the background, a window with vertical blinds is visible, and the room is brightly lit. The text "COLLEGE OF DENTAL MEDICINE" is overlaid in white, bold, sans-serif font.

COLLEGE OF
**DENTAL
MEDICINE**



SIMULATION (SKILLS) LABORATORIES



Location	Lab Staff in Charge	Contacts
- M28-104 - M28-105 - M28-108 - M28-108A	Hanalory Nofal	065057352
	Fozia Aslam	0507868220

There are two simulation laboratories dedicated to the preclinical training of the undergraduate and postgraduate students. One is specifically for the undergraduate students with 86 simulated manikin patients on which students can practice many of the psychomotor skills required in dentistry prior to performing these procedures in clinical patient care.

The simulation laboratories are mostly used by Dental Clinical Practice 1, Dental Clinical Practice 3 students. The other simulation laboratory is the first fully digital high-definition system of its kind. Here postgraduate students will practice more advanced dental procedures including implant dentistry. It will also be used for faculty to acquire and practice new skills in hands-on courses. It is adapted for digital dentistry to allow for first class preclinical and clinical digital dentistry educational experiences.

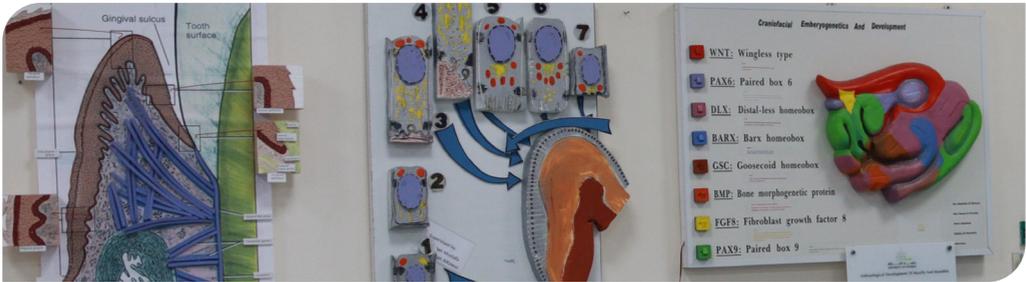
DENTAL TECHNOLOGY TEACHING LABORATORY



Location	Lab Staff in Charge	Contacts
F-152	Aiad Alenis	065057616

Undergraduate dental students enrolled in Dental Clinical Practice 2 and Dental Clinical Practice 3 receive instructions and gain hands-on experience in laboratory procedures to strengthen their understanding of removable prostheses fabrication and learn good communication skills with dental technicians. One laboratory station is available for every student scheduled for each laboratory session. Student stations are designed and equipped for students to work while seated and include adequate ventilation and lighting, necessary utilities, and dust collection equipment.

ORAL HISTOLOGY & CELL BIOLOGY LABORATORY



Location	Lab Staff in Charge	Contacts
M28-035	Dr.Hiba Saad	065057359

INTRODUCTION

The Oral Histology and Cell biology lab is basically dedicated to the BDS1 & BDS 2 students. It is broadly divided into 2 subdivisions. Basic cell histology and general histology for BDS1 and Embryology and Oral histology for BDS2 students. The labs are related to the study of the development and detailed functional histology of the oral tissues, including the teeth and their supporting structures in this laboratory.

EQUIPMENT AND INSTRUMENTS

- Computer system with projector
- Teaching microscope adapted with a camera
- Compound light microscopes
- Prepared histological glass slides
- Document projector with camera

EXPERIMENTS

- Human Cell Biology & Histology
 - Introduction to Lab safety
 - Compound microscopy and applications
 - Tissue processing for compound microscopy
 - Blood cell morphology
 - Cell cytoplasm and nucleus morphology
 - Microbiology- Identification of Bacteria
 - Basic histology of Epithelium
 - Basic histology of Connective tissue
 - Basic histology of Nervous tissue
 - Basic histology of Cartilage

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- Basic histology of Bone
 - Basic histology of Muscle
 - Basic histology of Skin
 - General Embryology
 - Embryology and Oral Histology
 - Embryology of head and neck
 - Histology of Tooth Development
 - Histology of Enamel & Dentin
 - Histology of Pulp
 - Histology of Periodontium
 - Histology of oral Mucosa
 - Histology of Salivary gland

DENTAL ANATOMY & HEAD ANATOMY LABORATORY



Location	Lab Staff in Charge	Contacts
M28-034	Dr. Mais Abdalla	065057357

INTRODUCTION

The Dental Anatomy labs are specifically dedicated to the BDS1 students. These labs introduce them to various aspects of oral and dental anatomy throughout the academic year. They explore detailed anatomy of individual teeth, by studying large and life size tooth models. Further these labs also provide drawing exercises and tooth carving exercises to the students using wax blocks to enhance their knowledge of the intricate details of a given tooth. The students are also trained in age estimation exercises using radiographs and models. In addition, basics of skull osteology, TMJ and muscles of mastication are also introduced to the students in this laboratory.

EQUIPMENT AND INSTRUMENTS

- Permanent dentition tooth models (Big size)
- Permanent dentition tooth models (Life size)
- Primary dentition tooth models (Life size)
- Upper and lower big jaw models
- Permanent dentition set models in occlusion
- Mixed dentition set models in occlusion
- Primary dentition set models in occlusion
- Human skull models (white & color coded)
- Human skull models with muscles of mastication
- Printed copies of radiographs (OPG)
- Wax block for tooth carving
- Document projector

EXPERIMENTS

- Notation systems of teeth
- Landmarks of teeth

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- Age estimation
 - Identification of teeth
 - Carving teeth
 - Drawing teeth
 - Skull Osteology
 - TMJ and muscles of mastication
- 

HEAD AND NECK ANATOMY LABORATORY



Location	Lab Staff in Charge	Contacts
M28-034	Dr. Mais Abdalla	065057357

INTRODUCTION

The head and neck anatomy lab are part of the Human Biology 2 stream of the Bachelor of Dental Surgery program at the college of dental medicine. It provides the undergraduate students with the necessary resources to practically view and understand the gross human head and neck anatomy. Sessions are held to demonstrate to the students the relevant structures and landmarks following the theoretical lectures

EQUIPMENT AND INSTRUMENTS

- Compound light microscope
- 3D high-resolution scanner / camera for online sessions
- Data show projector and Computer system with internet accessibility.
- Plastic models of head and neck region.
- Human skull models
- Human skeleton model
- Cervical vertebrae
- Cartilages and muscles of larynx
- The ear
- The eye and orbital region
- Tongue and oral cavity
- Plastinated human parts of different regions of the head and neck
- Illustrative anatomy diagrams and charts

HEAD AND NECK ANATOMY SESSIONS

- Orientation and Lab Safety
- Skull's osteology
- The face, parotid region, and meninges

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- The nasal cavity and paranasal sinuses
 - The orbital region
 - The temporal, infratemporal fossa, and pterygopalatine fossa
 - The oral cavity
 - Neck triangles and cervical fascia
 - Cervical vertebrae
 - The pharynx and larynx
 - TMJ and muscles of mastication
 - The ear

ORAL HISTOPATHOLOGY LABORATORY



Location	Lab Staff in Charge	Contacts
M28-103A	Dr.Natheer Al-Rawi	065057313

INTRODUCTION

The oral histopathology lab at the College of Dental Medicine, serves the Dental Health Sciences 3 and Dental Health Sciences 4 streams. It provides the undergraduate students with an opportunity to practically view and identify oral pathological conditions previously given in theoretical sessions using prepared tissue slides under light microscopy. In addition, seminars are conducted to discuss contemporary topics distributed to the students pertaining to oral pathology and diagnosis.

EQUIPMENT AND INSTRUMENTS

- Compound Light Microscopes
- Prepared tissue slides
- Tissue slides holders
- Microscopic camera

SESSIONS / EXPERIMENTS

- Dental Pathology
- Bone Pathology
- Odontogenic cysts
- Odontogenic tumors
- Oral white lesions
- Soft tissue lesions
- Salivary gland tumors
- Oral Cancer

CLINIC D (PROSTHODONTIC CLINIC)



Location	Lab Staff in Charge	Contacts
M28-007,011	Gretchen Abrogar Antenor	065057342

INTRODUCTION

MDS Prosthodontic clinic is a post graduate training clinic. Patients are treated with fixed and removable prosthodontic appliances and implant prosthodontics.

EQUIPMENT AND INSTRUMENTS

- Dental chair (16 units)
- BP Apparatus (1unit)
- Crash Cart (1 unit)
- AED Machine (1unit)
- Weighing Scale (1unit)

TESTS AND SERVICES

The treatments in this clinic provide patients with fixed and removable prosthodontic appliances and implant prosthodontics.

CLINIC B & C (PERIODONTICS CLINIC)



Location	Lab Staff in Charge	Contacts
M28-109	Florence Serrano Lagazo	065057343

INTRODUCTION

MDS Periodontology clinic is a post graduate training clinic. The treatments in this clinic include non-surgical and surgical therapies for various periodontal problems. Such as scaling and root planning, gingivectomy, flap surgeries, clinical crown lengthening surgery, mucogingival surgeries, and guided tissue regenerations.

EQUIPMENT AND INSTRUMENTS

- Dental chair (10 units)
- DSLR Camera (1 unit)
- Satelec Scalers (5 units)
- Implant Motor (1 unit)
- Periotron Machine (1unit)
- BP Apparatus (1unit)
- Crash Cart (1 unit)
- AED Machine (1unit)
- Weighing Scale (1unit)
- Laser Machine (1unit)
- Airflow Handpiece (3pcs)
- Infrared Thermometer (1pc)

TESTS AND SERVICES

The treatments in this clinic include non-surgical and surgical therapies for various periodontal problems.

CLINIC A (ENDODONTICS CLINIC)



Location	Lab Staff in Charge	Contacts
M28-110/112A	Wendelyn Ularte	065057337

INTRODUCTION

The Endo Post Grad Clinic is mainly handling difficult cases for root canal treatment, such as root canal retreatment, removal of broken instruments, treating calcified canals and tooth perforation repair using advanced equipment which includes Surgical Microscopes, Calamus and different kind of motors for root canal treatment.

EQUIPMENT AND INSTRUMENTS

- Dental chair (10 units)
- Global Ceiling Microscope (5 units)
- Global Portable Surgical Microscope (1 unit)
- Zumax Portable Surgical Microscope (5 units)
- Xray Machines (7 units)
- Digora Machine (1 unit)
- Smart TV (5 units)
- DSLR Camera (8 units)
- Calamus (4 sets)
- Gutta Smart (2 sets)
- XSmart Protaper (2 sets)
- Waveone Motors (10 units)
- Portable Ultrasonic Scalers (7 units)
- Endo Activator (1 Pc)

EXPERIMENTS

- Assessment of different rotary motors
- Assessment of different irrigation systems
- Assessment of healing of periapical tissues

TESTS AND SERVICES

The Endo Post Grad is providing root canal treatment for the patient especially those who have difficult cases, such as root canal retreatment, removal of broken instruments, treating calcified canals and tooth perforation repair.

