



MANSAROVAR DENTAL COLLEGE

Mansarovar Campus, Rani Avanti Bai Marg, Village- Hinotia Aalam,

Ward No. 84, Kolar Road, Bhopal (M.P) 462042

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2.3.2 List of clinical skills model



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CLINICAL SKILL LAB & SIMULATION BASED LEARNING FACILITIES

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

1. Audiovisual Aids for Patient Education
2. Radiographic Room
 - a) RVG
 - b) OPG
 - c) Lat. Ceph.
 - d) IOPA
3. Tobacco Cessation Clinic
4. Models
 - a) Oral Cancer
 - b) OSMF
 - c) Super Bugs in Dentistry
5. Posters
 - a) Oral manifestation of AIDS
 - b) Keratotic white lesions
 - c) Dental care during pregnancy
 - d) Oral cavity mirror of the body
 - e) Management of hospital waste
 - f) Type of radiographs
 - g) Do's and don'ts in radiology department
 - h) Process of developing X-ray Films
 - i) Red Lesion of oral Mucosa
 - j) Forensic odontology
 - k) Sterilization
 - l) Molar relation

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

1. Pre-clinical Conservative Lab
2. Aesthetic clinic
3. RVG Room
4. Models
 - a) Vertical Sectioning
 - b) Horizontal Sectioning
 - c) Access Opening in natural Tooth Model
 - d) Class I, II, III Study Models
 - e) Inlay & Onlay
 - f) Wax Carvings
 - g) Post & Core
 - h) Full Coverage Restorations
 - i) Veneers
 - j) Amalgam Restorations
5. Posters
 - a) Instrument Nomenclature
 - b) Instrument grasps & finger rest
 - c) Principal of tooth preparation
 - d) Obturation technique
 - e) Access opening (Maxillary and Mandibular)
 - f) Diagnostic aids in Endodontic
 - g) Endodontic Instrument
 - h) Development of Dental Caries
 - i) Rubber dam
 - j) Wedging technique
 - k) Traumatic injury to tooth


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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

1. Minor oral surgical operation Theater
2. Models
 - a) Skull
 - b) Mandible
 - c) Armamentarium
 - d) Suture Technique
 - e) Mandible Model with archbar
 - f) Open reduction internal fixation para symphysis Right & Left fracture plating Subcondylar
 - g) Left angle fracture plating
3. Posters
 - a) Minor Surgical instruments
 - b) Emergency Management
 - c) Dry Socket
 - d) Classification of Cleft lip & palate
 - e) Maxillary Nerves
 - f) Dental Implant
 - g) Post Extraction instruction
 - h) Dental Chair Position
 - i) Facial Face & Infection
 - j) Stroke

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DEPARTMENT OF PROSTHODONTICS & CROWN AND BRIDGE

1. Pre-clinical Prosthodontics Lab
2. Geriatric Clinic
3. Speciality Implant Clinic
4. Student Spotters – Complete Denture Removable Partial Denture and fixed partial denture
5. Models
 - a) Complete Denture
 - b) Fixed Partial Denture (FPD)
 - c) Cast Partial Denture (CRPD)
 - d) Implant Models
6. Posters
 - a) Method of Tooth Replacement
 - b) Implant Abutments
 - c) Kennedy Classification in removable partial denture
 - d) Full cast crown & Bridge
 - e) Classification of Major Connectors
 - f) Dental Implants with imaging modalities
 - g) Gypsum Products
 - h) Post insertion instructions to complete denture wearer patient
 - i) Rest & Rest Seats
 - j) Food pyramid for geriatric patient
 - k) Forensic odontology in terms with prosthodontics
 - l) Categories of fixed partial denture and pontic designs

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DEPARTMENT OF PERIODONTOLOGY

1. Implant / laser clinic
2. Patient Counseling Room
3. Models
 - A. Flap Designs
 - B. Suturing
 - C. Splinting
4. Posters
 - A. Periodontal Surgical Procedure
 - B. Pattern of Bone Loss
 - C. Gingival Enlargement
 - D. Classification and periodontal instrument
 - E. Tooth brushing techniques
 - F. Gingival inflammation
 - G. Dental plaque
 - H. Systemic course of gingival enlargement
 - I. Periodontal treatment (surgical & non surgical)
 - J. Types of probe
 - K. Periodontal ligament fiber
 - L. Bone graft
 - M. Implants design

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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

1. Patient Counseling Room
2. Television for patient education
3. Tobacco cessation clinic
4. Satellite Center
5. Models
 - A. Slow Sand filter
 - B. Tooth decay treatment
 - C. PHCL-Hospital setup
 - D. Stages of caries advancement
 - E. Mobile dental clinic
6. Posters
 - A. Oral hygienic instruction
 - B. Fluorosis
 - C. Dental indices
 - D. Oral Cancer
 - E. Management of hospital waste
 - F. Gum diseases
 - G. Dental camps
 - H. Progression of periodontal diseases
 - I. Plaque control Aids
 - J. WHO important days


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DEPARTMENT OF PAEDIATRIC AND PREVENTIVE DENTISTRY

1. Preclinical Pedodontic Lab
2. Playroom for Kids
3. Models
 - A. Removable space maintainer
 - B. Habit Breaking appliance
4. Posters
 - A. Space Maintainers
 - B. Oral Habits
 - C. Dental Fluorosis
 - D. Behavior Management & Modification
 - E. Difference between nursing & rampant caries
 - F. Teething
 - G. Fracture of tooth


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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

1. Photography room
2. Study Models
 - A. Upper and lower hawley's appliance
 - B. Posterior bite plane with z spring
 - C. Frankel appliance
 - D. Springs & retractors
 - E. Labial bows
 - F. twin block
 - G. activator
3. Posters
 - A. Management of Class II & III malocclusion
 - B. Removable appliance
 - C. Preventive orthodontics
 - D. Anchorage
 - E. Treatment plan for surgical and non surgical orthodontics
 - F. Retainers
 - G. Space maintainers
 - H. Cephalometrics
 - I. Type of Malocclusion
 - J. Oral hygiene instructions
 - K. Methods of gaining space
 - L. Orthodontics appliance
 - M. Mouth breathing
 - N. Management of deep bite


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DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

1. Tooth Carving
2. Specimens
 - A. Ameloblastoma
 - B. Lymph nodes level I to Level VI
 - C. Dentigerous cyst
3. Radical neck including mandible along with lesion and margins
 - A. Radical neck
 - B. Well differentiated squamous cell carcinoma
 - C. Solid multicystic ameloblastoma
 - D. Unicystic ameloblastoma
 - E. Odontogenic keratocyst (OKC)
 - F. Dentigerous cyst
 - G. Calcifying odontogenic cyst (COC)
 - H. Fibro sarcoma
 - I. Fibroma
 - J. Lipoma
 - K. Lipofibroma
 - L. Neutrophil
 - M. Monocyte
 - N. Eosionophil
 - O. Basophil
 - P. Bud stage
 - Q. Cap stage
 - R. Bell stage


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DEPARTMENT OF ANATOMY

1. Educational Table
2. Demonstration halls
3. Dissection hall
4. Dissected Specimen
5. Oestological Specimens
6. Histological Lab and slide Demonstration
7. Anatomy of Tongue
8. Poster
 - A. Facial muscle
 - B. External carotid artery
 - C. Hypoglossal nerve
 - D. Venous drainage of face
 - E. Carotid triangle
 - F. Brain stem
 - G. Facial artery
 - H. Parotid gland
 - I. Temporo mandibular joint
 - J. Extra ocular muscles


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DEPARTMENT OF PHYSIOLOGY

1. Haematological Lab
 - A. Haemocytometer
 - B. Haemoglobin meter
 - C. Clinical Lab
 - D. Digital Weight Machine
 - E. BP Apparatus
 - F. Thermometer

2. poster
 - A. Adrenal Gland
 - B. Ragulation of Blood Pressure
 - C. ECG
 - D. Hematopoiesis in Humans
 - E. Jaundice

DEPARTMENT OF PHARMACOLOGY

1. Digital and electric balance
2. Chemicals
3. Regents


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DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

4. Poster

- A. Structure of the oral cavity and tooth
- B. Pulp and periapical disease
- C. Cyst
- D. Odontoma
- E. Histology of pulp
- F. Viral diseases
- G. Epithelial dysplasia
- H. Amelogenesis
- I. Salivary gland tumor
- J. Human dentition
- K. Difference between primary and permanent tooth
- L. Histology of cementum and PDL
- M. Amelogenesis imperfect
- N. Eruption Sequence
- O. Morphology of maxillary tooth
- P. Special stains
- Q. Salivary glands
- R. Fibers of PDL

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DEPARTMENT OF BIOCHEMISTRY

1. Electric Water Bath
2. Biochemistry Lab
 - A. Digital Colorimeter
 - B. Centrifuge
 - C. Microscopes
 - D. Digital Weight Machine
 - E. Reagents
 - F. Digital and electric balance
3. poster
 - A. Kreb's Cycle
 - B. Glycolysis
 - C. Urea Cycle
 - D. Gout

DEPARTMENT OF MICROBIOLOGY

1. Instruments
 - A. Laiminar Air Flow
 - B. Bacteriological Incubator
 - C. Hot Air Oven
 - D. Medical Microscope
 - E. Binocular Microscope
 - F. Digital Balance
 - G. Auto-Clave
 - H. Reagents
2. Vitamins poster

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DEPARTMENT OF GENERAL SURGERY

- 1 Medical wards
- 2 Radiographic facility
- 3 Laproscopic procedures
- 4 Ultrasonography
- 5 Echocardiogram and CT scan

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DEPARTMENT OF PATHOLOGY

1. Diagnostic Lab
 - A. Monocular Microscopes
 - B. Incubator
 - C. Hot Air Oven
 - D. Serological Water Bath
 - E. ESR Stand
2. Slides
 - a. Neutrophil
 - b. Monocyte
 - c. Eosinophil
 - d. Basophil
 - e. Lymphocyte
 - f. Squamous Cell carcinoma
 - g. Carcinoma
 - h. Dentigerous cyst

DEPARTMENT OF GENERAL MEDICINE

1. Medical Wards


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