

SYLLABUS BASIC COURSE FOR DENTAL OPERATING ROOM

ASSISTANT COURSE:

Following subjects will be taught:

- Florence Nightingale's basis of nursing care.
- Tour and upkeep of the dental centre, operatory and various departments.
- Operatory discipline and discipline of the patients
- Admission procedure to MI Room and wards
- Manipulation of stretcher cases.
- Basic Trauma Life Support.
- Anatomy
 - Tissues of the body
 - Musculoskeletal system of the head and neck
 - Circulatory, Respiratory and Nervous System.
 - Skin and organs of special senses (eye, ears, nose and tongue)
- Physiology
 - Circulatory System
 - Digestive System
 - Respiratory System
 - Endocrine System
 - Renal Function
- Elementary Microbiology
- First Aid and Bandaging
- Basic life support, CPR
- Asphyxia
- Shock
- Sterilization, disinfections and methods for control of spread of diseases
- Basic Computer training of 2 weeks
- Introduction to computers, Computer Hardware (CPU), Input Devices, Storage Media, Output Devices, Printers & Other Peripherals
- Computer software-Windows (Introduction)

- Application Packages: MS DOS & Windows 2000, MS Word, Power point, Excel & Access.
 - Introductory class on other packages
 - Security
- Introductory class on use of computers in hospitals.

SYLLABUS MAIN COURSE FOR DENTAL OPERATING ROOM

ASSISTANT:

Oral Anatomy & physiology (Elementary):

1. Bones of the Skull, Maxilla and Mandible.
2. Oral cavity-Lips, tongue, pharynx & teeth.
3. Structure of teeth & surrounding tissues.
4. Dentition: temporary and permanent.
5. Nerve and blood supply of teeth & other soft tissues of the oral cavity.
6. Muscles of mastication & facial expression.
7. Saliva & control of excessive secretion in Dental Surgery.
8. Blood: RBC, WBC, Plasma.
9. Blood coagulation, Bleeding & clotting time and blood groups.

Diseases of Teeth & Gums (Elementary):

1. Dental caries.
2. Pulp diseases, Alveolar abscess and cellulites.
3. Periodontal diseases, Gingivities/Periodontitis.
4. Attrition, Abrasion, Erosion and Fluorosis of teeth.

Diseases of concern in dental practice (Communicable):

1. Aids
2. Hepatitis

Materia Medica:

1. Materials/Drugs and their uses in dental surgeries—abundants and astringents.
2. Preparation of solution in different percentages used in dental surgery.
3. Antiseptics & mouth washes.

Dental Surgery routine:

1. Duties of DORA
2. Personal Hygiene & Reception of patients.
3. Surgery upkeep & maintenance.
4. Infection control in dental practice.
5. Sterilisation of instruments, trays, dressings and various other items used in dental surgery. Asepsis & antiseptic methods used.
6. Care of patients in Shock & Syncope in dental chair.
7. Operation theatre technique & present concept in assistance.
8. Preparation of patients for general and local anaesthesia (Premedication and after care).
9. Preparation of Pathological specimen from the mouth for dental museum/lab investigation.
10. Dental emergencies & their management.
11. Home care after extraction, filling & denture insertion.
12. Oral hygiene & brushing technique.
13. First aid management & transportation of maxillofacial injury cases.
14. Layout of instrument trolleys for
 - Surgical ext of teeth.
 - Alveolectomies & Apicoectomies
 - Fracture jaws.
 - Endodontics.
 - Gingivectomies, Mucoperiosteal flaps.
 - Denture work.

Radiography:

1. X-Ray machine, its components and maintenance.
2. X-Ray films, methods of exposure, developing and fixing.
3. Hazards of X-Ray radiation & methods of prevention.
4. Dental radiography – Dental films, their mounting and records keeping.

Dental lab procedures:

1. Dental materials & their manipulation: Restorative materials, Impression materials and Acrylic resins.
2. Various types of fixed & removable or the appliances used.
3. Materials used in Maxillofacial and Surgical prostheses.

Maxillofacial Surgery:

1. Fracture Mandible & Maxilla – Main characteristics.
2. Maintenance of oral hygiene in fracture jaw cases and periodical attendance of maxillofacial injury cases during post operative period in ward.
3. Nutrition, feeding & transportation of fracture jaw cases.

Dental equipment and stores:

1. Recognition and knowledge of various Dental equipment and stores used in Dental establishments.
2. Organisation of Dental stores. Storage, accounting and issue of Dental stores.
3. Handling and Maintenance of dental items.
4. Assembly and minor repair to dental equipment.
5. Poisonous drugs—storage & labeling; Short life items & their care, turnover.

Dental Documentation & office procedures:

1. Knowledge about layout & upkeep of waiting rooms.
2. Registration of cases & Scheduling of appointments.
3. Dental treatment record maintenance & abbreviations for recording treatment.
4. Dental statistics including collection of Dental health information and its communication.

Dental Jurisprudence & Ethics:

1. History of Dentistry.
2. Professional ethics
3. Legal implication in dental practice.