

DIPLOMA IN DENTAL LEB TECHNICIAN 1ST YEAR

DENTAL ANATOMY, RADIOLOGY AND ORAL PATHOLOGY

General structure of mucous membrane , bones, muscles, blood vessels, lymphatic's, glands and nerves, blood and nerve supply in relation to face in general and teeth and associated structures in particular

Elementary knowledge of development of the jawa and teeth structure, nomenclature and morphology of human teeth

Relationship of teeth with investing tissues

DENTAL MATERIAL AND HEALTH EDUCATION

Brief description

Nomenclature

Derivation

Dosage

Pharmacological action and therapeutic uses of drugs commonly used in dentifrices

PHARMACOLOGY ESSENTIAL DRUGS OF WHO

Acquisition of knowledge about the effect of drugs on badly systems, with a special emphasis on drug treatment I dentistry

Introduction to pharmacology and pharmacokinetics

Pharmacokinetics routs of administration and presentation of drugs

Familiarity with the autonomic nervous system,

Cholinergic agonists and antagonist

Adrenergic agonists and antagonist

Drugs of diabetes

Antihistamines

Drugs for allergies and asthma

Local anesthetics

Opiate analgesics

NSAID analgesics

Tranquillizers

Antidepressants

Cardiologic drugs

Drugs for hypertension and angina pectoris

Treatment of heart failure

Treatment of arrhythmias

Antibacterial drugs

Anticoagulants

Vitamins

Names of drugs
Analgesic drugs
Antibiotic drugs
Anesthetics
Reading labels
Sedation- emphasis on inhalation sedation
Gas
Steroids

DENTAL HYGIENE AND ORAL PROPHYLAXIS

Definition of hygiene
Strains on teeth- extrinsic, intrinsic and their management
Brief description and the role of oral prophylaxis in gingivitis, peritonitis, periodontal and alveolar abscess, steatitis gingivitis and paradontosis
Instruments, technique of oral prophylaxis distaining and polishing of teeth
Topical application of fluorides
Care of oral cavity and appliances during treatment of maxillofacial cases

DIPLOMA IN DENTAL LAB TECHNICIAN 2ND YEAR

RADIOLOGY, FOOD & NUTRITION

Radiological interpretation, reading an x-ray Diagnosis interpretation
Introduction
Fundamental and elementary principle of dental radiology
Types of radiographs
Methods of imaging
Technical aspects of dental radiographs i.e. the taking, processing and mounting of dental radiographs
Interpretation of radiographs
Basic food chemistry in relation to general and oral health
Carbohydrates fats, proteins, vitamins, minerals and water in relation to dental and oral health
General food requirements for growth, maintenance and repair of the body
Assessment & charting of individual diet & counseling
Effect of mal- nutrition on oral health

DENTAL MATERIAL, GENERAL AND ORAL PATHOLOGY, BACTERIOLOGY

Amalgam, resins and their products material for temporary fillings, bases liners cements
impression materials
Pathology of the salivary gland, dryness of the mouth, autoimmune diseases connected to the salivary glands

Cysts of development/ odontogenic origin
Disorders of blood flow
Pathology of the dental tissues
Pathology of the pulp
Dentigerous lesions
Oral lesions that are connected to dermatology
Pathology of the salivary glands
Oral pathology in children
Inflammation, degeneration and repair
Application of general principles of pathology to tooth and surrounding tissues
Attrition, abrasion and erosion
Oral manifestation of systemic diseases, like diabetics, syphilis, anemia, vitamin deficiencies and infection diseases
Elementary knowledge of bacteriology, asepsis, infection, immunity, brief description of pathology and bacteriology of dental caries and gingival affections

ORAL HYGIENE, IMPRESSION METHODS, PERIOD ONTOLOGY

Initial steps in preventive planning, modes of prevention, materials and accessories, indices, educational principles
Toothbrushes
Solutions for demonstrating
Additional ways and accessories for completing
Various methods of brushing
Tooth brushing properly
Implants and their maintenance
Maintenance after surgery in the oral cavity

COMMUNITY DENTISTRY, PREVENTIVE DENTISTRY, DENTAL CARES

Historical survey of the profession
Introduction to preventative dentistry, steps in a preventative dentistry program
Modes of prevention and ways and accessories for maintaining a healthy mouth
Toothbrush and worthwhile methods of brushing solution for demonstrating
Various methods of brushing
Additional ways and accessories for completing tooth brushing properly
Plaque index- all sorts of methods
Toothpastes
Mouth washes
Electric devices and accessories
Steps in the preventive dentistry program, educational principles
Guidance for the individual patient
The rehabilitation patient
The orthodontic patient