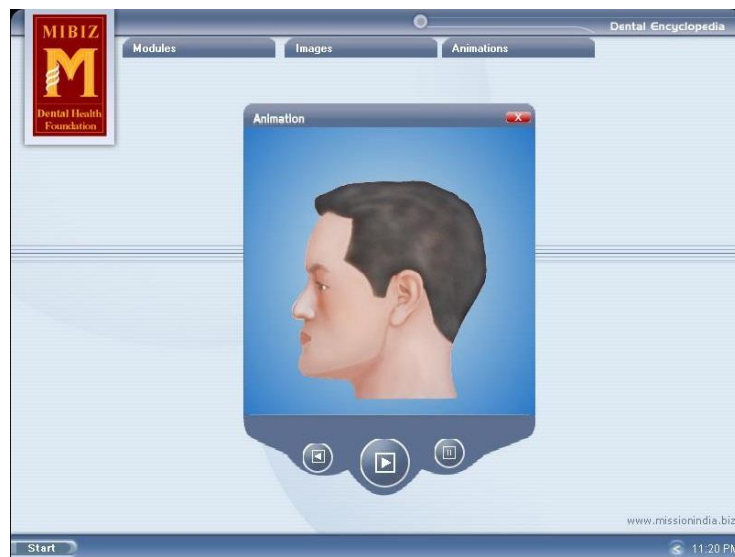
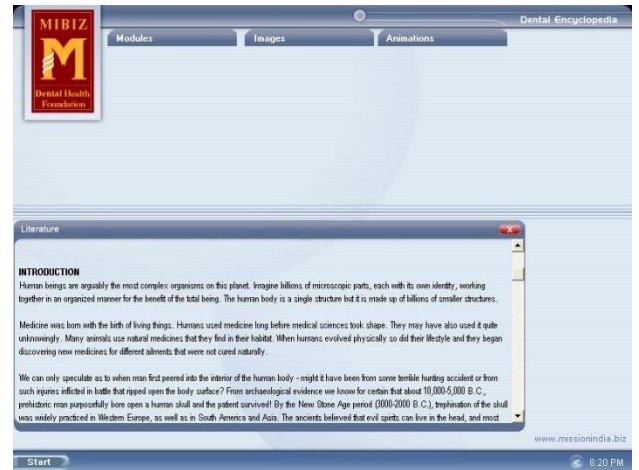
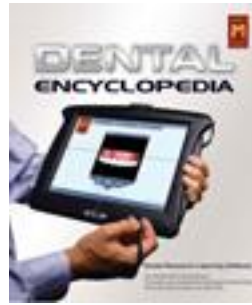
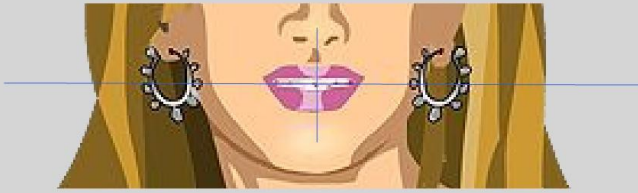


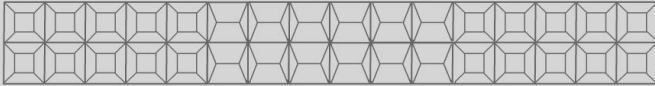
DENTAL ENCYCLOPEDIA



Dental:Charting

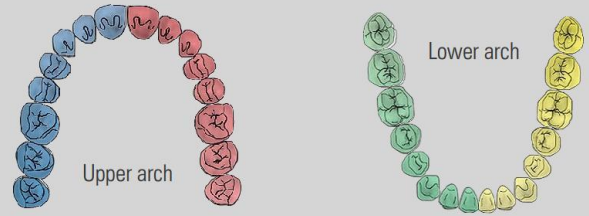


The chart is orientated as if we were looking directly at the patient

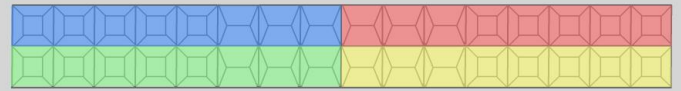


Standard Dental Chart

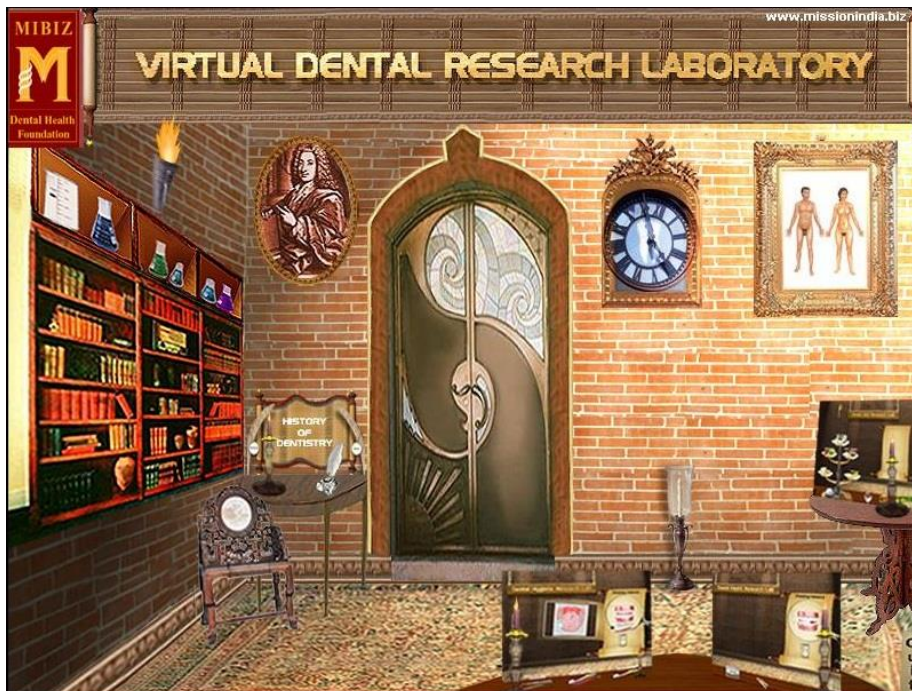
Dental:Charting



For the purposes of charting, the mouth is divided into 4 quadrants.



Standard Dental Chart



DENTAL ENCYCLOPEDIA

Features

600000 Interactive Links
100000 Line of Articles
Over 130000 Frames (3 hours) of 2D Animation
Over 15000 Frames of 3D Animation
2D Dental Application Slide Animations 50
Over 60000 Titles
Over 10000 Frames of descriptive Animation
Over 700 Illustrations
Images with Interactive title graphics with voice over
Interactive Dental Cartoon - "VIRTUAL DENTAL RESEARCH LABORATORY"
2D Dental Cartoon - "TOMS VISIT TO DENTAL KATE"

FOREWORD

THE EMERGENCE OF DENTISTRY:

INTRODUCTION

The Dentistry

The History of dentistry highlights in chronological sequence: The Ancient Origins, The Middle Ages-Renaissance The 18th Century - The Development of a Profession, The 19th Century - Advances in Science & Education, The 20th Century - Innovations in Techniques & Technology

Historical Overview

Medical Science, History, The Herbalism, The Egyptian medicine, The Indian medicine
The Chinese medicine, The Hebrew medicine, The Early European medicine
The Islamic medicine Main article: Islamic medicine or Unani medicine, The European Renaissance and Enlightenment medicine The Modern medicine, Dentistry, History, The Greek Rational Theories, Etruscan Practical Approach, The Romans, The Hebrews, The Middle Ages, Arabian Contribution, Decline in the Dark Ages, The Guilds, The Barber-Surgeons
The Renaissance, Experimental Dentures, Dentures: The Biting Facts, Le Chirurgien Dentiste, The Nineteenth Century, Dentistry Becomes a Science, Founding of Universities and Introduction of Dental Texts
Famous Scientists and their Research, Other Famous Scientists
The Life and Legacy of Pierre Fauchard,"Le Chirurgien Dentiste" "The surgical dentist"
Human urine as a medical treatment The Authors Who Followed Fauchard
Saint Apollonia, The Women in Dentistry
Historical background of the Restorative Dental Materials
Historical background of the Dental Equipment

Anesthesia

Anesthetists, Anesthesiologists & the profession, Anaesthetic equipment and physics, Anaesthetic agents,
Dental Anesthesia
Teeth and Anesthesia
History of the Development of Dental Anesthesia
Modern Anesthetics

X-ray

Photographic Plate, Photostimulable Phosphors (PSPs), Geiger counters
Scintillators, Image Intensification, Direct semiconductor detectors
Scintillator + semiconductor detectors, Visibility to the human eye
Medical uses, History, The discovery of the X-ray
Wilhelm Conrad Röntgen, Edison, The 20th century and beyond
X-ray - teeth

Toothbrush

Brushing the teeth, The Development of the Toothbrush throughout History:
Electric Toothbrushes, Charge

Toothpaste

The History of Toothpaste, Ingredients and Flavors, Striped toothpaste

Dentistry

Dentistry, Teeth, Dentition

Specialized areas of dentistry: Dental Public Health (study of dental epidemiology and social health policies), Endodontics (root canal therapy), Oral and Maxillofacial Pathology (study, diagnosis, and often the treatment of oral and maxillofacial related diseases), Oral and Maxillofacial Radiology (study and radiologic interpretation of oral and maxillofacial diseases), Oral and Maxillofacial Surgery (extractions and facial surgery), Orthodontics and Dentofacial Orthopaedics (straightening of teeth), Pedodontics (pediatric dentistry; i.e. dentistry for children), Periodontics (treatment of gum disease), Prosthodontics (replacement of missing facial anatomy by prostheses such as dentures, bridges and implants). 1901 Orthodontics, 1918 Oral Surgery, 1918 Periodontics, 1918 Prosthodontics 1927 Pedodontics, 1937 Public Health, 1946 Oral Pathology, 1963 Endodontics Pediatric Dentist, Endodontist, Oral and maxillofacial surgeon, Orthodontist, Periodontist, Prosthodontist Orthodontics (corrective dentistry), Periodontics (diseases of the gums), Prosthodontics (partial or total tooth replacement), Endodontics (treatment of dental pulp chamber and canals), and Pedodontics (dental problems of children). General Dentistry (Aesthetic or Cosmetic Dentistry)

Tele-dentistry

Tele-health Tele-medicine
Types of tele-medicine, Tele-radiology

DE HUMANI CORPORIS FABRICA / THE FABRIC OF THE HUMAN BODY:

INTRODUCTION

The Humans, Life cycle, Evolution, Complete scientific classification, Head: Body Organs: Body Cells:
Skeleton: Skull: Spine: Bones and Joints: Muscles: Hands: Feet: Skin and Hair: Brain: Nervous System: Eye:
Ear: Nose, mouth and Throat: Teeth: Digestive System: Heart: Circulatory System: Respiratory System:
Urinary System: Reproductive System & Development of a baby: Subdivisions of Anatomy & Physiology

THE DENTAL HEALTH:

INTRODUCTION Oral hygiene, The Healthy Mouth, Oral Health, Cleaning the Children's Teeth, The Tooth Development, Teething, Tooth Types, Tooth Eruption, The Structure of Teeth, Saliva, Plaque, Oral Health & Disease Prevention, Health Factors, Dental Caries, Prevention of Dental Caries, Fluorides, Reduce Frequent Consumption of Sugars, Control Plaque, Seal Fissures, Periodontal Disease, Prevention, Control plaque, Recommended Tooth brushing Technique, Aids to Plaque Removal, Prevention of Periodontal Disease, Oral Cancer, Halitosis, Dry Mouth, Teeth Sensitivity, Mouth Ulcers, Fractured Incisors, Dietary Advice, Baby Bottle/Nursing Decay, School children/adolescents, Health implications of soft drinks, Dental Health Implications, Adults and Older people, Heart Health, Food & Drink Labels, Nutrition and Good Oral Health, How Nutrition affects oral health, Choosing a Healthy Diet, Healthy Tips, Medicines, Links between Oral & General Health, The Mouth as Early Warning System, Saliva As a Diagnostic Tool, Oral Infections as Risk Factors, Your Mouth - The Effects of Smoking, Your Mouth - The Benefits of Not Smoking, Your General Health Will Also Improve, What is Toothpaste?, Abrasives, Detergent (1-2 per cent), Binding agents (1 per cent), Humectants (10-30 per cent), Flavoring, sweetening and coloring agents (1-5 per cent), Preservatives (0.05-0.5 per cent), Fluoride Toothpastes, Amount of fluoride in toothpaste, Fluoride toothpaste for children, Under seven years of age, For children over seven years of age

Types of Toothpaste, Toothpaste for adults, Smokers toothpaste, Special toothpaste to combat hypersensitivity, Whitening toothpaste, Natural toothpaste, Toothbrushes, Tooth brushing, Mouthrinses, Rinses containing fluoride to control dental caries, Rinses to Control Plaque and Gingivitis, Interdental Cleaners, Disclosing Tablets, Denture Cleaners, Saliva Substitutes, Fluoride, Fluorides and effects on health, Higher concentrations, Low concentrations, Beauty & Fashion Upfront, Caring For Your Teeth, What is tooth decay? What causes tooth decay? Gingivitis, What can you do to stop tooth decay? Keeping your mouth clean, If you do not have a toothbrush, If you do not have toothpaste, What should you do if you already have a sore tooth? Teeth – Lifelong Partners, Perfectly Pearly, Teeth Tricks, Best tooth tactics, Mobile Phones - A Possible Cause of Dental Pain, Which bleach is the best? Gum guard, Away with decay, The great toothpaste toss-up, Lasers: the way ahead, Brush up on hygiene, How Technology Fills the Gaps, How To Beat Bad Breath, Dental Plaque, Study Suggests Saliva Transmits Periodontal Disease, A Healthy Mouth Is Maintained By Proper Brushing, Healthy Teeth & Gums, Gum Disease, Buying a Toothbrush, Dental check-ups, Fresh breath, Supplementation and diet, Cosmetic Dentistry, Hereditary Factors in Periodontitis, Genetic Disorders Prevention of Oral Problems, Dental Health Overview, Birth to six months of age, Six to 12 months of age, Twelve to 24 months of age, Facts about deciduous (primary or baby) teeth, Diet and dental care for children, Brushing and Toothpaste, What is toothpaste? Facts about toothpaste, Flossing, Types of dental floss, Flossing methods, Spool method (also called the finger-wrap method), Loop method (also called the circle method), What is fluoride? Tropical Fluoride, Systemic Fluoride, Who should receive extra fluoride? Mouthguards, The importance of mouthguards, Mouthguards and preventable injuries, Types of mouthguards, Pre-made mouthguards, Custom-made mouthguards, Thumb Sucking

Dental Medicines, Dental implant, Dental Procedures, Orthodontic / Braces, What is orthodontics? Why choose orthodontic treatment? At what age do braces become appropriate? What are the different types of braces available? Oral healthcare and braces:, Fillings, What are fillings? Direct restorations, Indirect restorations, Dental restoration, Wisdom Teeth extraction, What are wisdom teeth? When should wisdom teeth be removed? What problems are often associated with impacted third molars? What is involved in the extraction procedure? Sealants? What are dental sealants? How effective are dental sealants? Who are likely candidates for dental sealants? What does the procedure involve? Dental floss, History, Crown, Why use a crown?, Why not use a crown? Process of applying a crown, Dentin, Dentition, Dentition in Archaeology, Dental fillings, Amalgam (also called silver filling), Composite resin, Glass Ionomer Cement, Resin-Ionomer Cement, Porcelain (ceramic), Gold, Other historical fillings, Replacement fillings, Dentures, History, Problems with Complete Dentures, Halitosis, Transient bad breath, Chronic bad breath, Treatment, Fluoride, Fluorides and effects on health, Higher concentrations, Low concentrations, Mouthwash, Water fluoridation, Bottled water and fluoridation,

THE DENTAL DISORDERS:

INTRODUCTION

Dental care – adult, Teeth – caring, Dental care – child, Caring for an infant's teeth, Dental Emergencies, Taking Care of Your Teeth and Mouth, Tooth Decay (Cavities) , Gum Diseases, Cleaning Your Teeth and Gums, Dentures, Dental Implants, Dry Mouth, Oral Cancer, Dental amalgam, Environmental impact, General Health effects, Health effects for dentists, Dental braces, How braces work, Procedure, Post-treatment, Complications and risks, Types of braces, Dental Cavities, Dental caries, Teeth, Bacteria, Fermentable carbohydrates, Prevention, Oral hygiene, Saliva is the Defense, Plaque, Dry Mouth, Dietary modification, Other preventive measures, Dental extraction, Types of Extraction, Post-extraction healing, Dental restoration, Dental Implant, Procedure, Dental alveolus, Dental dam, Other uses of dental dams, Dental drill, History, Alternatives, Other uses, Dental emergency,

Severe pain, Dental fluorosis, Dental key, Dental pellicle, Dental phobia, Dental Fears and Phobias, Dental plaque, Dental porcelain, Dental sealant, Dental surgery, Endodontic (surgery involving the pulp or root of the tooth), Prosthodontic (dental prosthetics), Orthodontic treatment, Dental anesthesia, Blocks, Adolescent Problems of the Teeth and Mouth, Malocclusion, Malocclusion of teeth, Causes, incidence, and risk factors, Treatment, Expectations (prognosis), Complications, Periodontal Disease, Gingivitis, Mild periodontitis, Moderate to advanced periodontitis, Periodontitis, or Pyorrhea, Aetiology, Symptoms, Prevention, Treatment of established disease, Bruxism, Teeth grinding and clenching, Symptoms, Calculus or tartar, Halitosis, Transient bad breath, Chronic bad breath, Treatment, Causes, Diagnosis, Fractured tooth, First Aid, Toddler Problems of the Teeth and Mouth, Nursing Bottle Caries, What are nursing caries? What are the symptoms of nursing caries? How can I prevent nursing caries? Hand-Foot-Mouth Disease, What is hand-foot-mouth disease? What causes hand-foot-mouth disease? What are the symptoms of hand-foot-mouth disease? How is hand-foot-mouth disease diagnosed?

Occlusion, Oral and maxillofacial surgery, Temporomandibular joint disorder (TMJD or TMD), or TMJ syndrome, Muscles, Temporomandibular joints, Teeth, Surgical, TMJ (Temporo-Mandibular Joint) disorder and Insomnia, Causes of TMJ (Temporo-Mandibular Joint) disorder, What is Neuromuscular Dentistry? Treatment, TMJ / TMD and Neuromuscular Dentistry, How Neuromuscular Dentists Diagnose and Treat Symptoms, Cleft lip and palate repair, Dental Care in Dementia, Early stages of dementia & oral care, Later stages of dementia dental care, Mouth Checks are Important in dementia care, Signs of Dental Problems in Dementia, Dental Health Issues Associated With HIV / AIDS, Oral Sex Linked to Cancer, Dry Mouth (Xerostomia) Cancer therapy, Nerve damage, Other health conditions, Screening and diagnosis, Self-care, The Root Canal Treatment, Stem cell treatments, Current treatments, Missing teeth, Thrush, Mouth Ulcers, Gum Disease, Gingivitis, Periodontitis, Diabetes and Periodontal Disease, Diabetic Control, Blood Vessel Changes, Bacteria, Smoking, How Does Periodontal Disease Develop, Gingivitis, Periodontitis, How Is Periodontal Disease Treated, Plaque Removal, Periodontal Surgery, If You Have Diabetes, Are Other Oral Problems Linked to Diabetes? Dental Cavities, Thrush, Dry Mouth, Keep Your Teeth, Protect Your Teeth and Gums, Proper Brushing, Dental Check-ups, *What kinds of cancers are considered cancers of the head and neck?* Oral cavity, Salivary glands, Paranasal sinuses and nasal cavity, Pharynx, Nasopharynx, Oropharynx, Hypopharynx, Larynx, Lymph nodes, Oral cavity, Salivary glands, Paranasal sinuses and nasal cavity, Oropharynx and hypopharynx, Metastatic squamous neck cancer

Oral Cancer Self Examination, Oral Health Should Not Be Neglected by Arthritis Patients, Joint Replacement Poses Higher Risks, Smoking and Dental Problems, Dental Problems Associated with Tobacco Use, Cigarettes and Cigars, Smokeless Tobacco, Hookah Water Pipes, Tobacco Abuse, Tongue problems, Difficulty moving the tongue, Taste abnormalities, Enlargement of the tongue, Temporary swelling and color changes, Hairy tongue, Black tongue, Pain in the tongue, Common Causes, Tips for Managing Dental Emergencies, Toothaches, Broken Tooth, Possible Broken Jaw, Knocked Out Tooth, Bitten Tongue or Lip, Something Caught Between Your Teeth, Top Ways to Lose Your Teeth – Free, Don't Brush Your Teeth, Never Floss Your Teeth, Forget Dental Check Ups and Cleanings, Don't Get Your Cavities filled, Eat Lots of Junk Food, Suffer With a Toothache, Avoid Mouthwash, Do Not Learn About Dental Health, Get False Teeth, Reasons to Have a Dental Cleaning, To Prevent Oral Cancer, To Prevent Gum Disease, To Help Maintain Good Physical Health, To Keep Your Teeth, To Detect Dental Problems Early, To Maintain Good Oral Health, To Create a Treatment Plan, To Have a Bright and White Smile

Things Your Dentist Wants You to Know, Dental Check Ups Include Oral Cancer Screenings, Periodontal (Gum) Disease Affects Your Overall Health, Dental Cleanings and Check Ups are Extremely Important, Brushing Twice a Day Helps to Keep the Cavities Away, Bad Breath Could be the Result of a Dental Problem, Proper Nutrition is Important for Good Dental Health, Dental Problems Do Not Get Better or Go Away Without Treatment, A Root Canal is Usually Not Painful, You Should Change Your Toothbrush Every 3 Months, Maintaining Good Dental Health is Easy,

OPERATIVE DENTISTRY

Dental caries, Types of dental caries, Pit and fissure caries, Smooth-surface caries

PEDIATRIC DENTISTRY

Teething, What are the symptoms of teething? How can you help your child with the discomforts of teething? Care of Baby Teeth, Preschool and School-Aged Problems of the Teeth and Mouth, Aphthous Stomatitis, Tooth Decay (Caries or Cavities), Treatment for tooth decay, Direct restorations, Indirect restorations, Toothache (Pulpitis), Dental Care and Hygiene, Infant Problems of the Teeth and Mouth, Epstein's pearls, What are natal teeth? Diagnosis of natal teeth? Management of natal teeth? Thrush or Candidiasis, What is candidiasis or thrush? What causes thrush? Antibiotics, Steroids, Poor immune system, What are the symptoms of candidiasis? How is candidiasis diagnosed? Treatment for candidiasis, Dental Health Guide for Children, Why Are The Primary Teeth So Important, Dental Radiographs (X-Rays), Care of Your Child's Teeth, Good Diet = Healthy Teeth, How Do I Prevent Cavities? Seal Out Decay, Baby Bottle Tooth Decay (Early Childhood Caries), When Will My Baby Start Getting Teeth? Eruption Of Your Child's Teeth, Dental Emergencies, Toothache, Cut or Bitten Tongue, Lip or Cheek, Knocked Out Permanent Tooth, What is Pulp Therapy? What's the Best Toothpaste for my Child? Does Your Child Grind His Teeth At Night? (Bruxism), Thumb Sucking, Tongue Piercing, What is the Best Time for Orthodontic Treatment? Stage I – Early Treatment, Stage II – Mixed Dentition, Stage III – Adolescent Dentition, Mouth Guards, How Often Should I Change My Toothbrush? How to Avoid & Break Children's Bad Dental Habits, Going to Bed With a Bottle, Thumb / Finger Sucking, Swallowing Toothpaste, Tips for Choosing the Right Dental Products, Choosing a Toothbrush, Manual Toothbrushes, Electric Toothbrushes, Dental Floss, Dental Flossers, Conventional Dental Floss, Floss Threader, Toothpaste, Mouthwash.

THE DENTAL ANATOMY & PHYSIOLOGY:

INTRODUCTION

Skin, Hair & Nail, Musculoskeletal System, Cardiovascular System, Blood, and the lymphatic, and immune system, Respiratory System, Nervous System, The Dental Anatomy, Digestive System, Hormones & metabolism, Urinary System, Reproductive System, Sex, Pregnancy, and Childbirth

Skin, Hair & Nail

Skin, Organ, Physical barrier, Temperature control, Skin color, Wrinkles, Skin Anatomy, Epidermis, Dermis, Subcutaneous Tissue Healing & Repair- SKIN, Closed-wound healing, Open wounds, Surfaces and adhesions, How aging affects your skin What is a skin biopsy?, Skin Biopsy- Risks, Maintaining a healthy lifestyle , Bathing: Avoid drying out, The Biology of Hair Hair Origin, Hair Anatomy, Hair Growth Cycle, Hair Shape, Baldness, Gray hair: What causes it? , Hair transplant, Hair Transplant – History, parts of the nail, Nail Anatomy, How your skin, hair and nails affect your health What Can Go Wrong With the Skin, Hair, and Nails?, Other Skin Problems

Musculoskeletal system

The body's skeleton, How the body moves, Flexibility of the spine, The joints, The backbone, Skeleton - skullCranium, Facial bones, Skeleton - shape and structure, Bone structure, Bone shapes, Skeleton - bone growth Broken bones fractures, Realignment, Repair, The bone healing, Skeleton - arm and shoulder, Skeleton - hands and feet Fingers and toes, Metacarpals and metatarsals, Wrist bones, Carrying weight, Arches, Skeleton - ribcage Skeleton – spine, Column of ring-like bones, Vertebrae, Skeleton – pelvis, Skeleton – leg, Skeleton - joints Skeleton – teeth, The body's muscle, Skeletal muscle, Smooth muscle, Cardiac muscle, Pulling muscles Muscles - structure and contraction, Exercise, Endurance exercise, Bodybuilding, Endurance and resistance combined Energy is directed to your muscles during exercise, Endurance or speed, Slow twitch and fast twitch muscle fibers make energy in different ways, Muscles – tone, Firm muscles, Flaccid muscles, Muscles – facial, Expressive muscles, Bone disorders Joint and ligament disorders, joint replacement, Bunion surgery, Muscle and tendon disorders , Musculoskeletal injuries

Cardiovascular System

Cardiovascular system, Structure of the heart, Heart and blood vessel basics, What do blood vessels do? Types of blood vessels, Arteries, Capillaries, Veins, The largest blood vessels, The aorta The blood circulation, How the heart beats, The heart cycle, Heart valves, Heart sounds, Heart, front view Heart valves - anterior view, heart valves - superior view, overview & description, What is blood pressure? Blood vessels in your heart, Coronary arteries that are commonly blocked, Coronary veins, Heart valve surgery Heart valve replacement, Aortic valve replacement, Blood cholesterol, Coronary heart disease What can be done to prevent the disease?, How is the disease diagnosed?, Heart transplant Risks for any anesthesia are:, Risks for any surgery are: , Expectations after surgeryECG(electrocardiogram), Exercise and the heart, Developmental anatomy of the heart

Blood, and the lymphatic, and immune system

Blood, and the lymphatic, and immune system, Human body's defense mechanism, Physical characteristics of blood Formation of blood cells, Organs – spleen, components of blood, white blood cells, plasma, red blood cells Platelets, formed elements, functions of blood, transportation, regulation, protection, rbc life cycle production of rbcs, leukocytes (white blood cells)_hemostasis, vascular spasm, platelet plug formation clotting (coagulation), the lymphatic system, the body's defenses, physical and chemical barriers blood groups and blood types, abo blood group, rh blood group, blood transfusion bone marrow aspiration and biopsy, bone marrow transplant, Blood disorders, Disorders of the lymphatic system, Immune disorders

THE RESPIRATORY SYSTEM

Breathing in and out (Respiratory processes), Network of airways, voice production, Sound machine
Guardian of the airways, The voice box, Croaking and warbling, the respiratory structure
structures of the respiratory system, sinuses, breathing and respiration, breathing works
how breathing is regulated, exchanging gases in the body, voice production (speech)
the cough reflex, modified respiratory movements, pulmonary volumes and capacities Respiratory system, a
flash, nose and throat disorders, stream inhalation , endoscopy of the nose and throat
mirror laryngoscopy, lung disorders, asthma, monitoring your asthma, bronchitis, pneumonia Tuberculosis
(tb), pulmonary embolism, pulmonary edema, cystic fibrosis, severe acute respiratory syndrome (sars)
Chest tube, bronchoscopy

THE NERVOUS SYSTEM

The structure of the nervous system, Neurophysiology, nervous system, brain, spinal cord, and nerves
protection and coverings, blood supply, cerebrum, right hemisphere, left hemisphere, cerebral cortex frontal
lobe, motor cortex, sensory cortex, parietal lobe, occipital lobe, temporal lobe, cerebellum limbic system,
olfactory bulbs, amygdala, hippocampus, fornix, hypothalamus, pituitary gland pineal gland, Thalamus,
Corpus Callosum, brain stem , cranial nerves, the spinal cord and spinal nerves protection and coverings,
meninges, reflexes, spinal cord, spinal nerves, nerve cells, neurons neuron structure, neurotransmitters work,
sensations, sensory receptors, touch the special senses, olfactory sensations: smell, anatomy of olfactory
receptors, olfactory receptors gustatory sensations: taste, protecting your body, taste bud structure , tastes and
flavors proprioceptors, voluntary and involuntary responses, voluntary responses, autonomic responses the brain
theory, processing higher functions, brain function, pain relief using tens, eeg carotid doppler scanning,
cerebral angiography, lumbar puncture, subdural hemorrhage visual sensations, forming an image, light-
sensitive retina, grey vision and movement color vision, secrets of your lens, the tears, structure of the eye,
how the eye works accommodation and the near point of vision, action of the pupil, visual pathways rods and
cones, cataract surgery, slit-lamp examination, applanation tonometry, ophthalmoscopy ears, hearing and balance,
sound waves, balance and movement, connecting passageways components of the ear, the mechanism of
hearing, your body's microphone, physiology of hearing the sense of balance, physiology of equilibrium, the
role of hair cells, linear movement and static position rotational movement, otoscopy, stapedotomy, hearing
aids, protecting your hearing, cochlear implants

THE DENTAL ANATOMY

Tooth, The dawn of dentistry, Common Misconceptions, Disorders of the teeth, The Importance of Oral
Hygiene, The Human teeth, Section of a human molar, The structure of the teeth, The role of the Gums,
Development of teeth, Types of tissue in teeth In Humans, When does the first tooth develop? The mouth and
tooth, Basic Anatomy of the Mouth and Teeth Normal Development of the Mouth and Teeth, What Do the
Mouth and Teeth Do? Mouth, Mouths of animals, The Human mouth, Cavum Oris; Oral or Buccal Cavity The
Vestibule, The Mouth Cavity Proper, The Lips, The Labial Glands, The Cheeks, The Gums, The Palate, The
Hard Palate, The Soft Palate

The Teeth (*dentes*), Development of baby teeth, Development of permanent teeth, Deciduous Teeth (Baby
Teeth), Permanent Teeth, Upper Teeth Lower Teeth, Upper Teeth Lower Teeth, The Permanent Teeth, The
Deciduous Teeth, Structure of the Teeth, The dentin, The dental canaliculi, The matrix, The enamel, The crista
petrosa or cement, Development of the Teeth, Development of the Deciduous Teeth, Formation of the Dentin,
dentinal fibers, Formation of the Cement, Formation of the Alveoli, Development of the Permanent Teeth,
Eruption of the Teeth

The Tongue (*lingua*), Its Root, Its Apex, Its Inferior Surface, The Papillæ of the Tongue, The papillæ vallatæ,
The papillæ fungiformes, The papillæ filiformes, The papillæ simplices, The Muscles of the Tongue, The
extrinsic muscles, The Hyoglossus, The Chondroglossus, The Styloglossus, The intrinsic muscles, The
Longitudinalis linguæ superior, The Longitudinalis linguæ inferior, The Transversus linguæ, The Verticalis
linguæ, Nerves, Structure of the Tongue, The mucous membrane, The corium, Structure of the Papillæ, Glands
of the Tongue, The serous glands, The septum, The hyoglossal membrane, Taste-buds, Vessels and Nerves,
The sensory nerves of the tongue

The Salivary Glands, Parotid Gland, The anterior surface, The posterior surface, The superficial surface, The deep surface, Structures within the Gland, The parotid duct, Vessels and Nerves, Submaxillary Gland, Sublingual Gland, Structure of the Salivary Glands The Mandible (Lower Jaw), (Inferior Maxillary Bone), The Body, The Ramus, The Coronoid Process, The Condylod Process, Ossification, Articulations, Changes Produced in the Mandible by Age

The Maxillæ (Upper Jaw), The Body, The infratemporal surface, The orbital surface, The nasal surface, The Maxillary Sinus or Antrum of Highmore, The Zygomatic Process, The Frontal Process, The Alveolar Process, The Palatine Process, Ossification, Articulations, Changes Produced in the Maxilla by Age

Types of tissue in the teeth, Tooth enamel, Structure, Development, Destruction, Oral hygiene and fluoride, Effects of dental procedures, Dental restorations, Acid-etching techniques, Tooth whitening, Systemic conditions affecting enamel, Dentin, Pulp (tooth), Cementum, Oral pathology

The structure of the teeth, The role of the gums, development of teeth, Types of tissue in teeth in humans Teeth and gums, Using the jaws, The dawn of dentistry, Common misconceptions, disorders of the teeth the importance of oral hygiene, Toothache, What causes toothache? , How can toothache be avoided? What should i do if i have toothache? , Caring for your teeth and gums, Brushing your teeth Cleaning between teeth, Tooth filling, Root canal treatment, Orthodontic treatment, Crowns and replacement teeth Replacement teeth, The development of toothpaste throughout history, The development of toothbrush throughout history

DIGESTIVE SYSTEM

Absorption, Regulating digestion, hunger and appetite, Stimulating hunger and appetite, Overview of digestive process The digestive tract, Mouth, Tongue, Salivary glands, Teeth, Mechanical digestion – swallowing, Chemical digestion Esophagus and stomach, Small and large intestines, Absorption and feces formation in the large intestine, Peristalsis Liver, gallbladder, and pancreas, liver functions, Regulation of gastric emptying, Digestive enzymes, Preventing constipation Barium swallow, Upper digestive tract endoscopy, Liver biopsy, Liver transplant, Ercp, Colonoscopy, colectomy, Colostomy banding hemorrhoids, Aging and the digestive system, Developmental anatomy of the digestive system

THE HORMONES AND METABOLISM

Endocrinologist, feedback mechanism, the endocrine system, Hormone-secreting glands and cells, Pituitary and pineal glands thyroid stimulating hormone (tsh), Pineal gland, Thyroid, parathyroid, the structure of thyroid and parathyroid glands. Adrenal glands, Pancreas, Structure of the pancreas, Metabolism, Anabolism and catabolism, other endocrine glands How the body uses food, endocrine diseases and disorders, Needle aspiration of the thyroid gland, Insulin Monitoring your blood glucose

THE URINARY SYSTEM

Blood filtration, hormone production, The sexual difference, Urinary system, Kidneys, Balancing your blood, Regulating blood pressure, When kidneys go wrong, Urine formation and excretion, Urine formation, Water reabsorbtion, What is urine made of Intravenous urography, problems in the urinary system, Why do kidneys fail?, Kidney stones, Kidney biopsy, Dialysis Peritoneal dialysis, hemodialysis, Kidney transplant, urodynamic studies, Bladder catheterization, Cystoscopy

The Reproductive System

Reproduction, Sexual reproductive systems, Asexual reproduction, Sexual reproduction

Male reproductive system, Male structure, Testes produce sperm and male sex hormones, The penis and erections, Sperm production Semen and ejaculation, Male hormones, puberty, physical development, Disorders of the testes, scrotum, and penis Epididymal cyst, Torsion of the testis, Examining your testes, hydrocele, vasectomy, Circumcision, Prostate gland biopsy Radial prostatectomy

Female reproductive system, eggs, ovaries and sex hormones, Female structure, Female fertility, Female hormones Puberty, Female reproductive system, Menstrual cycle, Changes during menopause, Role of the breasts Breast self-examinationm, aspiration of a breast lump, Breast reduction, Endometrial sampling,

Laproscopy tubal ligation, hysteroscopy, Hysterectomy, Pap test, Colposcopy, mammography, Surgery of the breast cancer

Sex, Pregnancy, and Childbirth

Sex and reproduction, Human sexuality, fertility, Sexual intercourse, Fertilization, Sperm journey
Sexual problems, Sex therapy, Infertility, Pregnancy and childbirth, multiple pregnancies
Pregnancy & childbirth week 1- week 40

Conclusion

Toms visit to Dentist Kate (Cartoon)

VIRTUAL DENTAL RESEARCH LABORATORY (Interactive Dental Cartoon)

Human Life Cycle – Male, Female (How they grow and age) **Dental Time mapping**, - A Century back
Dentists office, A modern Dentists office

The History of Dentistry - he History of dentistry highlights in chronological sequence: The Ancient Origins,
The Middle Ages- Renaissance, The 18th Century - The Development of a Profession, The 19th Century -
Advances in Science & Education, The 20th Century - Innovations in Techniques & Technology.

The Tooth story: The human tooth development.

Dental Health Research Lab: Cigarettes, Chewing Tobacco.

Dental Diet Research Lab

Dental Hygiene Research Lab



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