

Medical Terminology – Disorders and Diseases

Medical Terminology – 3 Disorders and Diseases

By

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The **College Tutor Medical Terminology – Disorders and Diseases** course will provide you with a solid foundation to understand the working language of medicine as pertains to human disorders and diseases!

Course Objectives

- Learn about human diseases based on a body system approach.
- Learn about types of cancer and neoplasms
- Identify diseases, disorders, and conditions and apply knowledge of diagnosis, prognosis, and treatment.
- Gain an understanding of risk factors and their effect on the human condition.
- Understand how diseases affect specific organs, organ systems, and overall homeostasis.

Course Outline

Introduction to Human Form and Function

Body Structure

Body Organization

Circulatory System

Endocrine System

Gastrointestinal System

Integumentary System

Lymphatic/Immune System

Muscular System

Nervous System

Reproductive System

Respiratory System

Sensory System

Skeletal System

Urinary System

Topic Outlines

Topic 2* **Cancer and Neoplasms*

Terms and definitions

Overview of cancer

 Risk factors

 Alcohol

 Chemicals and other substances

 Close relatives with certain types of cancer

 Diet

 Diethylstilbestrol

 Hormone replacement therapy

 Ionizing radiation

 Tobacco

 Ultraviolet radiation

Early detection of cancers

Classification of neoplasms

Grading and staging of neoplasms

 TNM staging

Etiology of neoplasms

Diagnosis of neoplasms

Diagnostic tests and procedures

Treatment of neoplasms

 Tumor markers

 Surgery

 Radiation therapy (XRT)

 Chemotherapy

 Immunotherapy

Topic 3* **Circulatory System*

Terms and definitions

Overview of circulatory diseases and disorders

 Forms of disease

 Risk factors

 Prevention

 Treatments

Topic 6 Integumentary System

Terms and definitions

Overview of integumentary disorders/diseases

Causes of skin disorders

 Skin infections

 Sun exposure, sunburn and heat rash

 Pregnancy

 Natural irritants and allergies

 Drug reactions

 Genetics

Types of skin disorders

 Inflammatory skin disorders

 Viral and bacterial skin problems

 Skin cancer and neoplasms

 Fungal infections

Injuries to the skin

 Bruise and abrasion

 Skin wound

 Open wounds

 Closed wounds

Burns

 Classification of burns

 Chemical and electrical burns

 Scalding and cold burns

 "Rule of Nines"

Topic 13 Sensory System – 2 Ear, Balance, Hearing & other Sensory System Disorders

Terms and definitions (ear, balance, and hearing disorders)

Overview of ear, balance, and hearing disorders

Hearing loss

Conductive and sensorineural hearing loss

Treatment of hearing loss

Balance disorders

Facial nerve disorders

Ear infections

Tumors of the ear

Congenital disorders

Terms and definitions (Taste, smell and touch disorders)

Overview of smell and taste disorders

Overview of somatic sensation disorders

Topic 14 Skeletal System

Terms and definitions

Overview of skeletal disorders and diseases

The remodeling process

Symptoms of bone and joint disorders

Examination of the skeletal system

Individual variation in the skeletal system

Regional skeletal disorders

Septal defects, sinus problems, TMJ syndrome

Disorders of spinal curvature, intervertebral discs

Shoulder disorders

Hip fracture

Ankle and foot problems

Bone trauma and fractures

Overuse conditions, sprains and dislocations

Bone and cartilage tumors

Topic 15

Urinary System

Terms and definitions

Overview of urinary disorders and diseases

Acute and chronic renal failure

Bladder cancer

Cystitis, urethritis, and lower UTI

Glomerulonephritis

Kidney cancer

Kidney stones

Pyelonephritis

Urinary Incontinence