BCH 433 Trends in Medical Biochemistry 2 Units

Department of Biological Sciences

Covenant University
1. BCH433
1.1. BCH 433 Trends in Medical Biochemistry 2 Units

Biochemical aspects of diagnosis and therapeutics. Blood chemistry, metabolic diseases, abnormal hemoglobin, diagnostic enzymes. Other body fluids including cerebrospinal fluid, synovial fluid, etc chemistry and functions. The chemical pathology of gut, liver, kidney and nervous system. Biochemical mechanisms in clinical biochemistry. Introduction to forensic biochemistry. Biochemical substances of forensic interest - Contamination of food and drugs. Collection, preservation and biochemical analysis of materials of forensic interest. The Public analyst in forensic practice. Regulatory agencies and Forensic Biochemistry SON, NAFDAC, etc. Biochemical and molecular analysis of selected human diseases; atherosclerosis and lipid metabolism, cancer and oncogenes, apoptosis and the cell cycle, human immunodeficiency virus replication, and AIDS.