1. Record Nr. UNINA9910298327803321

Titolo	Metabolism of Human Diseases : Organ Physiology and Pathophysiology / / edited by Eckhard Lammert, Martin Zeeb
Pubbl/distr/stampa	Vienna : , : Springer Vienna : , : Imprint : Springer, , 2014
ISBN	3-7091-0715-6
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (382 p.)
Disciplina	612.39
Soggetti	Human physiology Metabolic diseases Biochemistry Metabolism Human Physiology Metabolic Diseases Biochemistry, general Metabolomics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Brain: Overview -- Major depressive disorder -- Schizophrenia -- Epilepsy -- Parkinson’s disease -- Alzheimer’s disease -- Migraine and cluster headache -- Multiple sclerosis -- Down syndrome -- Eye: Overview.- Age-related macular degeneration -- Glaucoma -- Teeth and bones: Overview: Dental caries -- Osteoporosis -- Joints: Overview.- Osteoarthritis -- Rheumatoid arthritis -- Gastrointestinal tract: Overview -- Peptic ulcer disease -- Gastroenteritis -- Lactose intolerance -- Colorectal cancer -- Pancreas: Overview -- Diabetes mellitus -- Liver: Overview -- Cirrhosis -- Fat tissue: Overview -- Metabolic syndrome -- Lung: Overview -- Asthma -- COPD.- Community-acquired pneumonia -- Heart: Overview. - Atherosclerotic heart disease -- Heart failure -- Blood vessels: Overview -- Stroke -- Varicose Veins -- Blood: Overview -- Sickle Cell Disease -- Hyperlipidemia -- Immune system: Overview -- Fever -- Sepsis -- Allergies -- Kidney: Overview -- Hypertension -- Chronic kidney disease -- Gout and hyperuricemia -- Urinary tract infections --

Kidney stones -- Reproductive system: Overview -- Breast cancer -- Prostate cancer -- Cancer: Overview.

Sommario/riassunto

“Metabolism of Human Diseases” examines the physiology of key organs (e.g. brain, eye, lung, heart, blood vessels, blood, immune system, gastrointestinal tract, pancreas, liver, fat tissue, kidney, reproductive system, teeth, bone and joints) and how defective metabolism and signaling pathways within these organs contribute to common human diseases. The latter include depression, schizophrenia, epilepsy, Parkinson's disease, Alzheimer's disease, migraine, multiple sclerosis, Down syndrome, macular degeneration, glaucoma, asthma, COPD, pneumonia, atherosclerotic heart disease, heart failure, stroke, varicose veins, Sickle cell disease, hyperlipidemia, fever, sepsis, allergies, peptic ulcer, gastroenteritis, lactose intolerance, colon cancer, diabetes, cirrhosis, metabolic syndrome, hypertension, chronic kidney disease, gout, urinary tract infections, kidney stones, dental caries, osteoporosis, osteoarthritis, rheumatoid arthritis, breast cancer and prostate cancer. The book also describes commonly used drugs and explains their molecular targets. It provides the first comprehensive and detailed summary of the metabolism of individual organs and their physiological and pathological functioning. Thus it serves as a useful supplement to previous textbooks of human physiology. “Metabolism of Human Diseases” is a must-have, state-of-the-art textbook written by International experts for graduate students, postdocs and scientists in metabolic research, biochemistry, physiology and pharmacy as well as for physicians interested in molecular mechanisms underlying common human diseases. .