DESCRIPTION

Metabolism includes various pathways of chemical reactions; understanding these pathways leads to an improved knowledge of the causes, preventions, and cures for human diseases. *Medical Biochemistry: Human Metabolism in Health and Disease* provides a concise yet thorough explanation of human metabolism and its role in health and diseases. Focusing on the physiological context of human metabolism without extensive consideration of the mechanistic principles of underlying enzymology, the book serves as both a primary text and resource for students and professionals in medical, dental, and allied health programs.

ABOUT THE AUTHOR

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FEATURES

• Emphasizes clinically relevant information, helping readers understand the link between metabolic pathways and the causes, preventions, and cures for human diseases

• A separate chapter is dedicated to each of the fifteen key metabolic pathways that constitute human metabolism - each chapter features a six-part structure that facilitates a clear understanding of the metabolic processes

• Throughout the text, simple figures help readers understand how metabolic pathways and reactions work

• Easy-to-follow approach helps readers understand and appreciate the functions, constituent reactions, and regulatory aspects of the core pathways that constitute human metabolism and are responsible for maintaining homeostasis and well-being in humans

Unique chapter structure for medical biochemistry book - takes a six-approach and promotes emphasis on metabolic processes rather than types of molecules per se. Chapters are organized as follows: 1) major function(s) of the pathway, 2) tissues in which the pathway is active, 3) physiological conditions under which the pathway is most active, 4) the reactions that comprise the pathway, 5) regulation of the pathway, and 6) examples of human diseases related to the pathway

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