



## Fundamental Concepts in Physiology: An Illustrative Study (Paperback)

By Chi-Ming Hai

Cognella Academic Publishing, 2016. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Fundamental Concepts in Physiology: An Illustrative Study is designed for undergraduates interested in the functions of the human body as preparation for medical school, or for graduate programs in health-related disciplines. The book covers the basics of physiology while avoiding excessive overlap with introductory biology or neuroscience. Students will learn fundamental concepts of physiology, cell membrane transport, and signaling, membrane potentials, synapses, and the autonomic nervous system before exploring the physiology of specific organ systems in the body. Organ systems covered in the text include the physiology of muscles, the endocrine system, the cardiovascular system, the respiratory and renal systems, and the gastrointestinal system. Students will also learn about regulation of the substrate metabolism and reproductive physiology. The highly illustrative text covers basic principles without overloading the reader with excessive detail suitable for more advanced study. Fundamental Concepts in Physiology is ideal for introductory courses in the discipline, as well as courses on human biology. Adopting professors will also have access to PowerPoint slides. Chi-Ming Hai joined the faculty of Brown University as a professor of medical science after completion of his...



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