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Titolo	Defining physiology : principles, themes, concepts : cardiovascular, respiratory and renal physiology / / Hwee Ming Cheng, Felicita Jusof
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Descrizione fisica	1 online resource (XIX, 187 p. 69 illus., 54 illus. in color.)
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Lingua di pubblicazione	Inglese
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Nota di contenuto	Heart as an Electrical Organ -- Heart as a Rhythmic Pump -- Heart as a Pressure Producer -- Pathways from the Heart -- Physiological Adaptations of the Cardiovascular system -- Mechanics of Respiration -- Alveolar-Capillary Exchange -- Oxygen Transport -- Carbon Dioxide Transport -- Control of Respiration -- Glomerular Filtration and Renal Blood Flow -- Tubular Function -- Sodium and Potassium Balance -- Water Balance -- Acid-base Balance.
Sommario/riassunto	This first volume of the book covers 150 important words and phrases encountered in cardiovascular, respiratory and renal physiology, elaborating the concepts, principles and common themes around these words. It offers students a quiver of arrows to direct their thinking accurately in order to understand targeted processes in physiology. Physiology teachers also find this 'definitive' physiology text useful in their lectures and tutorial classes to elaborate on homeostatic mechanisms in physiology. With any increase in physiological knowledge, there will be new words and terms that describe new mechanisms, and definitions of key words in core physiology are essential points of reference since they provide the foundational word pillars needed to understand physiology texts. This book is a valuable companion to the Springer series "Physiology-Question Based Learning (Pq-BL)" by the author. Both the questions and words for learning physiology well have been selected from the successful annual Physiology Quiz International event that is chaired and designed by the author.

