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Titolo	Surgical Metabolism : The Metabolic Care of the Surgical Patient // edited by Kimberly A. Davis, Stanley H. Rosenbaum
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-39781-5
Edizione	[2nd ed. 2020.]
Descrizione fisica	1 online resource (XXI, 373 p. 27 illus., 22 illus. in color.)
Disciplina	617.919
Soggetti	Surgery - Nutritional aspects Postoperative care Postoperative Care Nutritional Support - methods Metabolic Diseases - physiopathology Metabolisme Dietoteràpia Període postoperatori Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Metabolism -- Fluid and Electrolytes -- Acid–Base Physiology -- Metabolomics and Other “-Omic” Approaches to Characterize Perioperative Trajectories -- Starvation -- Metabolism in the Trauma Patient -- Burns -- Obesity -- Malignancy -- Sepsis and Nutrition -- Intestinal Failure -- Enteral Nutrition -- Parenteral Nutrition -- Immunonutrition and Supplementation: Pathways, Promise, and Pessimism -- Special Considerations in Organ Failure -- Endocrine Perturbations in Critical Illness -- The Microbiome, Surgical Stress, and Infection -- Special Considerations at the Extremes of Age.
Sommario/riassunto	The goal of this book is not to follow a traditional systems or organ-based approach but rather to encourage our readers to think of the patients as complex biochemical systems. The book provides information that supplements the more traditional approaches and provides a detailed overview of the metabolic knowledge needed for

surgical practice. The text reviews normal physiology, the pathophysiology of starvation and surgical stressors. It also focuses on appropriate nutritional repletion for various common disease states. Specifically, chapters address the severe metabolic demands created by systemic inflammation, infection, and major insults such as trauma and burns. All chapters are written by experts in their fields and include the most up-to-date scientific and clinical information. As biochemical aspects of modern medicine are advancing rapidly, chapters have been updated and several new chapters have been added in order to help readers keep pace in this race for state-of-the-art knowledge. Surgical Metabolism: The Metabolic Care of the Surgical Patient 2nd Edition is designed for clinicians across levels of training and provides clear and concise evidence based guidelines for the metabolic management and nutritional support of the surgical patient.
