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Nota di contenuto	Part I Peri-operative AKI: Overview and Approach -- 1 Incidence, Trends and Diagnosis of Peri-operative AKI -- 2 Serious peri-operative complications: Hospital Medicine Perspectives -- 3 Role of Novel Kidney Injury Biomarkers in Perioperative AKI -- 4 Clinical Pearls: Renal Replacement Therapy for AKI in the Post-operative Period.- 5 Clinical Pearls: Non-dialytic Management of Kidney Complications in the Post-operative Period -- 6 Intra-Operative Considerations to Prevent Post-Operative AKI -- Part II Cardiac and Vascular Surgery -- 7 AKI after Cardiac Surgery in Adults.- 8 AKI after Cardiovascular Surgery in Children -- 9 AKI in the Era of Ventricular Assist Devices.- 10 Kidney Injury after Vascular Surgery.- Part III Abdominal and Urologic Surgery. - 11 AKI after Major Abdominal Surgery.- 12 Kidney Injury in Abdominal Compartment Syndrome.- 13 Kidney Function and Injury after Nephrectomy for Kidney Cancer -- Part IV Transplant Surgery -- 14 The Kidney in Non-Renal Solid Organ Transplantation -- 15 Acute Allograft Injury After Kidney Transplantation -- Part V Special Topics in

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Sommario/riassunto

The kidneys participate in all vital processes of the body to maintain overall homeostasis and health. When kidneys are injured during surgical interventions, metabolic and hemodynamic control is disrupted, leading to dysfunction associated with greater mortality, length of hospital stay, and cost. Peri-operative Kidney Injury presents the epidemiology, risk factors, diagnosis, treatment, and outcomes associated with kidney injury during the peri-operative period. Concepts and principles of care to prevent kidney complications during surgical procedures are provided to equip health care professionals along with strategies to manage acute kidney injury and associated challenges when they occur. Chapters detail diverse surgical settings, ranging from the more common, such as abdominal, cardiac, and vascular surgeries, to the intricately complex, including the use of the left ventricular assist device and organ transplants. This practical and comprehensive text blends the evidence-based standards of care with cutting edge advances in the field, while also providing the reader with a peek into innovations on the horizon.