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Nota di contenuto	Section I. Introduction -- Overview of a Cardiac Anesthesia & Surgical Program -- Overview of a Cardiology Interventional Program -- Prognostic Risks and Preoperative Assessment -- Section II. Anesthesia and Cardiopulmonary Bypass Management -- Fast Track Cardiac Anesthesia Management in On-Pump and Off-Pump Coronary Artery Bypass Surgery -- Anesthetic Management in Valvular Heart Surgery -- Anesthetic Management in Robotic Cardiac Surgery -- Anesthetic Management in Interventional Cath Lab Procedures -- Circulatory Arrest and Neuroprotection -- Anesthesia for Combined Cardiac and Thoracic Surgery -- Anesthesia for Intrathoracic Transplantation -- Anesthesia for Patients with Ventricular Assist Devices -- Anesthesia in Pediatric Cardiac Surgery -- Anesthetic Management of Co-Morbid Diseases Affecting Cardiopulmonary Bypass -- Regional Anesthesia Techniques and Management -- Perioperative Monitoring in Cardiac Surgery -- Perioperative Transesophageal Echocardiography -- Essence of CP B Circuit and Intra-aortic Balloon Pump -- Cardiac Pharmacology -- Weaning From Cardiopulmonary Bypass and Low Output Syndrome -- Pulmonary Hypertension and Right Ventricular Dysfunction Post-CPB -- Perioperative Blood Conservation -- Antifibrinolytics and Coagulation Management -- Heparin Associated Thrombocytopenia and Alternatives to Heparin -- Management of Cardiac Surgical

Emergency -- Section III. Perioperative Echocardiography Monitoring and Management -- Perioperative Transesophageal echocardiography -- Perioperative Transthoracic echocardiography -- Section IV. Surgical Technique and Postoperative Consideration -- Myocardial Protection During Cardiac Surgery -- On-Pump Aorto-Coronary Bypass Surgery -- Off-Pump Coronary Revascularization Surgery -- Robotic Coronary Artery Revascularization Surgery -- Surgery of the Aortic Valve -- Surgery of the Mitral Valve -- Surgery of the Tricuspid Valve -- Robotic Cardiac Valvular Surgery -- Surgery of the Transverse Arch and Cerebral Protection -- Surgery of Descending Thoracic Aorta -- Combined Cardiac and Vascular Surgery -- Surgery for Mechanical Complications of Myocardial Infarction -- Surgery for End-Stage Heart Disease and Heart Transplantation -- Lung and Heart-Lung Transplantation Surgery -- Ventricular Assist Devices Implantation -- Congenital Heart Surgery -- Ventricular Aneurysm Resection & Partial Left Ventriculotomy -- AICD and Pacemakers Insertion -- Section V. Cardiac Surgical Recovery Unit and Postoperative Complications Management -- Routine Cardiac Surgery Recovery Care: Extubation to Discharge Pathway -- Common Problems in Cardiac Surgery Recovery Unit -- Atrial and Ventricular Arrhythmia Management -- Tamponade and Chest Reopening -- Infection, Sternal Debridement and Muscle Flap -- Difficult Weaning From Mechanical Ventilation and Tracheotomy Care -- Renal Failure and Dialysis -- Neurological Complications and Management -- Section VI. Surgical Ward Management -- Routine Surgical Ward Care -- Common Ward Complications and Management -- Section VII. Appendices.

Sommario/riassunto

This comprehensive yet concise book addresses current best practice in the combined areas of cardiac surgery and anesthesia, interventional minimally invasive cardiac procedures, perioperative management and monitoring, and critical care recovery. This book not only provides the latest best practices in the perioperative management of cardiac surgical patients, but also it summarizes the current clinical guidelines and algorithms from leading cardiac programs and professional societies. Contemporary best practice approaches are written by experts from leading cardiac surgical centers. The preoperative, intraoperative and postoperative management and recovery of surgical patients, including medication, monitoring techniques, and innovative surgical procedures, are presented by experts in the field of cardiac anesthesia and surgery. Perioperative clinical care guidelines, postoperative recovery pathways and models of care are presented with supporting protocols. Evidence-Based Practice in Perioperative Cardiac Anesthesia and Surgery is aimed at all cardiac anesthesiology consultants, fellows, and trainees; all cardiac surgery consultants, fellows, and trainees; nurses in perioperative care and those involved in patient recovery management; cardiac program administrative professionals; and all critical care consultants and trainees looking after cardiovascular surgical patients in the modern era. .
