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Titolo	Critical Care of Children with Heart Disease : Basic Medical and Surgical Concepts // edited by Ricardo A. Munoz, Victor O. Morell, Eduardo M. da Cruz, Carol G. Vetterly, Jose Pedro da Silva
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Soggetti	Cardiology Critical care medicine Pediatrics Heart - Surgery Intensive / Critical Care Medicine Cardiac Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes Index.
Nota di contenuto	Transition from the fetal to the neonatal circulation -- Triage and Transport of Infants and Children with Cardiac Disease -- Airway control, mechanical ventilation and respiratory care -- Heart-Lung Interactions -- Cardiac Catheterization -- Echocardiography -- Cardiac Anesthesia -- A Pharmacokinetic and Pharmacodynamic review: focus on cardiac ICU meds -- Sedation and Analgesia -- Drugs in Cardiac Intensive Care -- Standard Drug Concentrations in the Cardiac Intensive Care unit -- Monitoring of the cardiac patient -- The effects of cardiopulmonary bypass following pediatric cardiac surgery -- Nursing care of the pediatric cardiac patient -- Intensive Care for the Patient after Cardiac Catheterization -- Cardiac database and risk factor assessment outcomes analysis of congenital heart disease -- Patent ductus arteriosus -- Atrial Septal Defects -- Ventricular Septal defect -- Complete Atrioventricular Septal Defects -- Aortopulmonary Window -- Tetralogy of Fallot -- Tetralogy of Fallot with absent

pulmonary valve -- Tetralogy of Fallot with pulmonary atresia -- Pulmonary atresia with intact interventricular septum -- Pulmonary Stenosis -- Left Ventricular Outflow tract obstruction -- Coarctation of the Aorta -- Interrupted aortic arch -- Mitral Valve anomalies and related disorders -- Mitral Stenosis -- Prosthetic Valves -- Hypoplastic Left Heart Syndrome -- Single Ventricle, General Aspects -- Anomalous pulmonary veins -- Dextro-Transposition of the Great Arteries -- Congenitally corrected transposition of the Great Arteries (ccTGA or Levo-Transposition of the Great Arteries (l-TGA) -- Truncus Arteriosus -- Double Outlet Right Ventricle -- Ebstein's Disease -- Anomalous Coronary Arteries -- Aortic Valve Regurgitation -- Vascular Rings and Pulmonary Sling -- Takayasu Arteritis -- Aortic Dissection -- Tracheal Reconstruction -- Acute Pulmonary Hypertension -- Chronic Pulmonary Hypertension -- Acute Myocarditis and cardiomyopathies -- Pericardial Diseases -- Infective Endocarditis -- Cardiac Failure -- Shock in the Cardiac Patient: A brief overview -- Mechanical circulatory support in pediatric cardiac surgery -- Ventricular Assist Devices -- Heart Transplantation -- Arrhythmias in the Intensive Care unit -- Pacemakers (temporary and permanent), Implantable cardioverter defibrillators (ICDs) and cardiac resynchronization therapy -- Quality Assessment in the Cardiac Intensive Care unit -- Discontinuation of Life: Ethical and Legal issues -- Respiratory complications: acute respiratory distress syndrome, chylothorax, diaphragmatic palsy, and functional respiratory physiotherapy -- Gastrointestinal Complications: Necrotizing Enterocolitis, Malrotation, and Protein Losing Enteropathy -- Malnutrition and Feeding Difficulties: Guideline for Enteral and Parenteral Nutrition -- Hematological Aspects: Anticoagulation, Heparin-Induced Thrombocytopenia, Plasma Exchange -- Renal Failure and Replacement Therapy -- Neurological Complications: Intracranial Bleeding, Stroke, and Seizures -- Infections in the Cardiac Intensive Care Unit -- Skin Protection.

Sommario/riassunto

This extensively revised new edition comprehensively reviews the medical and surgical management of the acutely-ill child with congenital and acquired cardiac disease. It enables the reader to gain a thorough understanding of basic and practical concepts of anatomy, pathophysiology, surgical techniques and peri-operative management in this group of patients. Extensively revised chapters cover the management of cardiac patients on extracorporeal membrane oxygenation, hemofiltration, and plasma exchange. New topics covered include the use of pharmaceuticals in cardiac intensive care, the implications of interventional cardiology in pediatric intensive care and ventricular assist devices. Practically relevant guidelines are also included for cardiovascular nurses. Critical Care of Children with Heart Disease presents a thorough review of the practical concepts, available treatment techniques, and the challenges associated with managing these patients in the critical care unit. It represents a timely and valuable textbook reference for students and practising healthcare professionals alike seeking to learn or further their understanding of the latest advances in this discipline. .
