



## Critical Care of Children with Heart Disease: Basic Medical and Surgical Concepts

*From Springer*

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### **Critical Care of Children with Heart Disease: Basic Medical and Surgical Concepts** From Springer

Critical Care of Children with Heart Disease will summarize the comprehensive medical and surgical management of the acutely-ill patient with congenital and acquired cardiac disease. The aim of the book is to teach bedside physicians, nurses and other caregivers, basic and practical concepts of anatomy, pathophysiology, surgical techniques and peri-operative management of critically ill children and adults with congenital heart disease, allowing these professionals to anticipate, prevent or else treat such pathologies. The book will cover specific cardiac lesions, review their anatomy, pathophysiology, current preoperative, intraoperative and postoperative assessment and management; medical and surgical complications will be briefly described with each lesion further discussed in specific chapters. In addition, the book will have dedicated chapters to management of cardiac patients on extracorporeal membrane oxygenation, hemofiltration, hemo or peritoneal dialysis and plasma exchange. Practical guidelines for cardiovascular nursing care will be also included.

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**Bibliography**

- Sales Rank: #1508210 in eBooks
- Published on: 2010-06-21
- Released on: 2010-06-21
- Format: Kindle eBook

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## **Editorial Review**

### **Review**

From the reviews:

“This book is short, fact heavy, and illustrated to provide a quick reference to common pediatric urological and general surgery problems. ... book is written fairly simply and will be easy to understand for students and house officers, as well as those already in primary practice. The three editors and 37 contributors ... are all adequate to the task and produce a serviceable level of writing. ... this is a nice little handbook of some common problems in pediatric urology and pediatric general surgery ... .” (Robert M. Arensman, Doody’s Book Reviews, March, 2011)

“A comprehensive overview of medical and surgical aspects of the care of children with congenital heart ailments. A teaching and practicing source.” (Pediatric Endocrinology Reviews (PER), Vol. 8 (3), March, 2011)

### **From the Back Cover**

Pediatric cardiac intensive care patients pose special challenges to those practitioners caring for them. Many issues may be encountered when caring for children in a cardiac intensive care setting, which will significantly influence the management of these patients.

Critical Care of Children with Heart Disease provides the physician with an overview of both the medical and surgical facets of caring for pediatric patients with congenital or acquired cardiac disease. It covers the general aspects of pediatric intensive care ranging from mechanical ventilation and cardiac anesthesia, sedation and pain management, to cardiopulmonary bypass, cardiac catheterization, echocardiography, in addition to describing the special monitoring required for pediatric cardiac patients. It also includes important recent developments in assessing and reporting risk factors. Specific cardiac anomalies, including acyanotic defects, right and left obstructive heart lesions, atrio-ventricular valve anomalies, pulmonary hypertension, cardiomyopathies, and other complex heart defects, are also addressed, while mechanical assistance, renal replacement therapy, transplant, arrhythmias, as well as the ethical and legal issues involving the discontinuation of support of patients are also covered in detail.

The internationally renowned Editorial board have assembled a distinguished panel of contributors to write this valuable teaching and learning resource. It will be of great value to all physicians involved in the management of pediatric cardiac intensive care patients including cardiac intensivists, surgeons, fellows, residents and nurses.

### **About the Author**

Ricardo Munoz, MD, is chief of Cardiac Intensive Care and director of the Cardiac Intensive Care Unit, Children's Hospital of Pittsburgh. Dr. Munoz trained in pediatric critical care and pediatric cardiology at

Massachusetts General Hospital and Children's Hospital of Boston/Harvard Medical School. A fellow in the American Academy of Pediatrics and member of the Society of Critical Care Medicine, he attended medical school at the Universidad del Notre, Barranquilla, Colombia, and completed his residency at the Hospital Militar Central, Bogota, Colombia. He also completed fellowships at Children's Hospital and Massachusetts General Hospital, both in Boston.

## **Users Review**

### **From reader reviews:**

#### **Louise Wax:**

Critical Care of Children with Heart Disease: Basic Medical and Surgical Concepts can be one of your beginner books that are good idea. Many of us recommend that straight away because this reserve has good vocabulary which could increase your knowledge in language, easy to understand, bit entertaining but nevertheless delivering the information. The article writer giving his/her effort to set every word into enjoyment arrangement in writing Critical Care of Children with Heart Disease: Basic Medical and Surgical Concepts yet doesn't forget the main point, giving the reader the hottest along with based confirm resource data that maybe you can be considered one of it. This great information can certainly drawn you into brand new stage of crucial imagining.

#### **Linda Haag:**

Reading a book to get new life style in this calendar year; every people loves to examine a book. When you go through a book you can get a wide range of benefit. When you read publications, you can improve your knowledge, since book has a lot of information into it. The information that you will get depend on what types of book that you have read. If you want to get information about your review, you can read education books, but if you want to entertain yourself look for a fiction books, this sort of us novel, comics, along with soon. The Critical Care of Children with Heart Disease: Basic Medical and Surgical Concepts offer you a new experience in reading through a book.

#### **Beverly Hummell:**

This Critical Care of Children with Heart Disease: Basic Medical and Surgical Concepts is completely new way for you who has intense curiosity to look for some information mainly because it relief your hunger of knowledge. Getting deeper you into it getting knowledge more you know or you who still having little bit of digest in reading this Critical Care of Children with Heart Disease: Basic Medical and Surgical Concepts can be the light food to suit your needs because the information inside this particular book is easy to get by means of anyone. These books produce itself in the form that is certainly reachable by anyone, yep I mean in the e-book form. People who think that in reserve form make them feel drowsy even dizzy this e-book is the answer. So there is no in reading a e-book especially this one. You can find actually looking for. It should be here for anyone. So , don't miss the idea! Just read this e-book type for your better life along with knowledge.

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