



# The Pediatric Cardiac Anesthesia Handbook

Viviane G. Nasr, James A. DiNardo

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## DESCRIPTION

Written by an expert author team at the renowned Boston Children's Hospital, USA, The Pediatric Cardiac Anesthesia Handbook provides a comprehensive yet concise overview of the anesthetic management of pediatric patients with congenital heart disease.

This book is divided into two parts. The first part provides an introduction to the basic assessment of patients, including cardiovascular physiology, pathophysiology and the underlying concepts in coronary heart disease, preoperative evaluation, intraoperative management, and interpretation of cardiac catheterization data. The second part of the book addresses disorders and diseases in a templated manner covering the anatomical and physiological features, surgical therapies, anesthetic approach and postoperative management. Chapters on the heart and heart and lung transplantation consider the additional complexities of those patients and anesthetic considerations for non-cardiac surgery after heart transplantation.

The anesthesiologist caring for patients with congenital heart disease faces a myriad of challenges in the perioperative management of these complex individuals. This book provides:

- A concise and easily referable guide ideal for use during anesthesiology residency training and fellowships.
- A templated chapter layout ideal for easy referral by wider members of the multidisciplinary team, such as cardiologists, cardiac intensivists, perfusionists, and surgeons.
- Helpful illustrations and a bulleted content for rapid reference.
- Guidelines on specific lesions for the pediatric anesthesiologist caring for cardiac patients presenting for non-cardiac surgery.

This book is a valuable resource for all anesthesiology and cardiac critical care providers who manage patients with congenital heart disease, and an ideal study aid.

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## ABOUT THE AUTHOR

Viviane G. Nasr, MD graduated from Medical School at the American University of Beirut (AUB), Lebanon in 2003, and pursued a residency in anesthesiology at AUB and Tufts Medical Center, Boston. She completed a pediatric anesthesia fellowship at Children's National Medical Center (CNMC) in Washington DC and a pediatric cardiac anesthesia fellowship at Boston Children's Hospital. She is American Board certified in Anesthesiology and Pediatric Anesthesiology and an active member of the Congenital Cardiac Anesthesia Society.

James A. DiNardo, MD graduated from Dartmouth College and Dartmouth Medical School (with honors). He completed his anesthesia residency and fellowship in Cardiac Anesthesia at Beth Israel Hospital in Boston. He joined faculty at Boston Children's Hospital in 1999 where he currently serves as the Chief of the Division of Cardiac Anesthesia. He spends approximately one third of this clinical time as an Attending in the Cardiac ICU.

Dr DiNardo is certified in perioperative TEE and is former Chairman of the PTEeXAM Committee. He is also a Senior Oral Board Examiner for the ABA, a member of the ABA Pediatric Examination Writing Committee, and Chair of the Pediatric MOCA Examination Committee. He is Past-President of both the Congenital Cardiac Anesthesia Society and the Association of Cardiac Anesthesiologists. He is currently the Anesthesia and Analgesia Executive Editor for Pediatric Anesthesia.

He is the author of a major textbook on cardiac anesthesia and of more than 160 peer-reviewed articles and book chapters.

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