

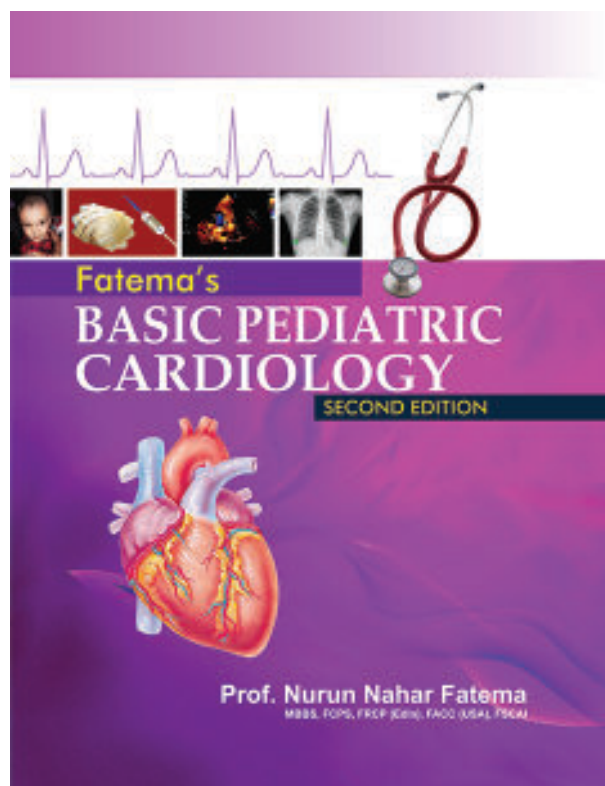
## Book's Review

# Fatema's Basic Paediatric Cardiology, 2<sup>nd</sup> Edition

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### Introduction:

A book is considered as a “tool for communication between two minds; an author and a reader”. An author is considered successful if his/her writing can satisfy the quest of knowledge of the reader as well as can answer their questions in a simple and reproducible way. Writing a book on pediatric cardiology is a rare but novel event in the contemporary era of development medical science. With respect to tremendous development of Pediatric cardiology as a sub-specialty in the world, in Bangladesh, it is only in a budding state.

Our aim is to give a comprehensive review of this unique text book “Fatema's Basic Pediatric Cardiology” written by Professor Nurun Nahar Fatema, with respect to academic exercises of the subject, clinical and practical utility of the book in serving patients, whether it may be a worth choice to be read by the physicians as well as by the students for their examinations. Prof. NN Fatema is a legend as well as the pioneer in the field of pediatric cardiology in our part of the world. She is a multi-talented versatile interventional pediatric cardiologist in Bangladesh, obviously having lots of achievements of milestones in this field. For her outstanding contribution in the field of medicine, in 2019, she was given the highest civilian “Independence Day award” by our honorable Prime Minister of Bangladesh, Sheikh Hasina. The author has a vast knowledge and practical experiences in managing cases of acute and chronic congenital & acquired cardiac patients for last 22 years. Definitely she is the competent person to write such a wonderful book on this subject. We congratulate her for this great initiative, in endeavour & perseverance to share her knowledge and expertise to disseminate via this book among us. She has dedicated this book to another legend, a great teacher, National Professor, Late Mohammad Rafi (MR) Khan, Father of Pediatrics, recipient of “Ekushey Padak” (2009) & Independence Day award (2016) expressing her gratitude with a firm determination to carry out his legacy in the field of education of medical science. The author in the preface expressed her desire that this book will provide all basic information about pediatric cardiac care both in pediatric cardiology & pediatric cardiac surgery.

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**Review of the book's content:**

This book is consisting of 327 pages framed in 25 chapters including appendices, index glossary and sufficient numbers of reference along with magnificent illustrations, box, algorithms, tables, & charts depicting different management protocols. We studied the whole book and found that this is a complete book on pediatric cardiology with enormous scientific knowledge having resourceful information on the subject, which will be useful for the practicing fellows/students of cardiology /pediatric cardiology specifically.

This book is neither a handbook nor a conventional cumbersome text book rather a user friendly comprehensive complete text book. The author in her preface expressed that she purposefully avoided details of theoretical or hypothetical and rare topics with an aim to keep it as a reference book and practical information including a special emphasis on the issues of neonatal cardiac care, intensive care, cardiac catheterization and interventional procedures and the hardware required for it. To understand pediatric cardiology, it is essential to have the basic knowledge of cardiac anatomy, pathophysiology and hemodynamics of congenital heart disease. These issues are systematically presented in first few chapters among which, hemodynamic chapter is well written in simplified manner. Four basic principles of hemodynamic alterations framed out in congenital heart disease and also diagrammatically represented the pressure and oximetry data in different cardiac chambers in common congenital heart disease. Other leading chapters which are written excellently in this book are newborn with congenital heart disease, Intensive care in PICU, PPHN chapter where she presented NNF protocol for its management, which is a unique and well proven measure for the critically ill newborn for the resource limited country where there is no availability NO or ECMO facility. In chapters 6 -10, multiple common issues and their solutions of critically ill newborn are depicted in a simplified manner which will be essential for not only the pediatric cardiologist but for the neonatologist and neonatal intensivist including the core knowledge regarding management of mechanical ventilation and acid-base disorder. There are two more exciting and more attractive chapters (21-22) in the book for the

interventional pediatric cardiologist. These are on Cardiac Catheterization and another on Common interventions in congenital and structural heart disease. Truly speaking, to be a complete pediatric cardiologist, one must acquire basic knowledge & expertise on cardiac catheterization and intervention. All basic as well as advanced knowledge of diagnostic & therapeutic cardiac catheterization are compiled in this book. We confirm that, these chapters are so well written, if anybody keep this book and minutely go through it, no separate book for congenital and structural intervention will be required. As the author herself has vast experiences in intervention, she vividly described all the possible interventional procedures in detail starting from indication, logistic required, patient preparation, procedural steps, basic & advanced catheter /wire manipulation, tips and tricks in difficulty, how to avoid and manage any complication. She left no available procedures untouched as performing in advanced center in the world starting from balloon atrial septostomy to percutaneous pulmonary valve implantation including a dazzling display of intervention materials like, puncture needles, sheaths catheters, wires, balloons, stents, devices, prosthetic valves snares and pacing catheters etc. whatsoever necessary for a successful procedural outcome. The book is also essential for the practicing pediatrician, because it contains enormous information that how to suspect and approach to diagnose their cases with syndromic facies and patients with respiratory distress particularly associated with cardiovascular morbidity. In view of current pandemic, a uniquely well written chapter on Covid-19 infection in children and adolescence focusing on MIS-C is included in this book describing its presentation and management. For the fellows /students of MD & FCPS cardiology and MS Cardiothoracic surgery, this book may be of worth reading reference one, because of its relevant content, pertaining to their syllabus including congenital heart disease and their clinical, interventional & surgical management. Most impressive specialty of this book is that the author has blended her working experience with the background knowledge along with latest updated diagnostic & therapeutic

approach in the treatment of common congenital & acquired heart disease in her current edition. Comprehensive interpretation of all diagnostic tools for congenital heart disease including ECG & Echocardiography are compiled in most easy way. Comprehensive management of pediatric cardiac emergency including common arrhythmia is written superbly.

This is a single author self-edited book having ISBN:978-984-34=2938-4. It is composed by Md. Rakibul Islam, designed by Shamim Ahmed and published by Mashiyat Mayisha Ahmad in July 2021. The book is printed in "Asian Color Printing" press on a high quality glossy A4 papers, with an excellent binding even keeping an economic price of 1200/ taka. The book is available in Parash Book International & Mullick & Brothers, in New Market, Dhaka. Also available in online, to order-email: colfatema@hotmail.com; website: <http://www.chdbd.org>, also click to buy <https://www.rokomari.com>

**Conclusion:**

Fatema's Basic Pediatric Cardiology, 2<sup>nd</sup> edition, recently published, is an excellent book with an spectacular outlook. We reviewed the book and found that it will have a great impact of understanding and application of newer technology in the field of pediatric cardiology with greater benefit to the patient. We sincerely recommend the book for the student, resident, fellows of cardiology, pediatric cardiology, cardiac surgery & all library of the different institute to buy one copy of this valuable book. We also recommend this as the text book for MD & FCPS Pediatric Cardiology course in BSSMU & BCPS. In future, we hope, author will try to improvise further, avoiding any prejudices or biasness, with more international references, specially adding a few more chapters like Genetic & Embryological basis of development of congenital heart disease, Fetal Cardiology & prenatal diagnosis including fetal echocardiography, Ebstein Anomaly, Univentricular heart etc. which will provide this book a universal image.