Paediatric Resuscitation and Emergency Medicine (PREM) for Low- and Middle-Income Countries

Empowering junior doctors in the battle to save children's lives

Author: Santhanam, Cheema, Rajkumar, Craig

Date:
Edition: 1st
Year: 2023
Illustrations: 752
Pages: 694
ISBN: 9789390553174

Description

Many books are available for health care workers to guide them in emergency practice. You might ask why another manual in emergency medicine. This book differs from others in its direct relevance to limited resources in emergency care settings, where there is often a lack of paediatric resuscitation expertise. It is based on the success story of PREM initiative under the auspices of the National Health Mission Tamil Nadu.

*Paediatric Resuscitation and Emergency Medicine (PREM) for Low- and Middle-Income Countries* (PREM means love in all Indian languages) targets frontline doctors and nurses who encounter critically unwell children in receiving hospitals. Comprising of 79 chapters, this book deals with life-threatening emergencies, procedures, drugs, organization of PREM units, and many more crucial topics.

**Key Features:**

- This book describes how the PREM triangle is employed in converting complex critical thinking into simple algorithms.
- Since hypoxia can kill brain cells within 5 minutes, the PREM approach emphasizes the need for a four-step process that includes a 1-minute assessment, tasking, documentation, and communication throughout resuscitation in order to achieve neurologically intact survival.
- Understanding the rapidly changing haemodynamic status during resuscitation, the PREM process teaches how to anticipate problems before they impact the child being resuscitated, helping to avoid judgement errors every single time.
- Brilliant pictures are the highlight of the book. The vivid images portray the steps of resuscitation, procedures, modified rapid cardiopulmonary cerebral assessment, and team roles.
This book presents protocol-based real-time resuscitation through videos accessible via QR codes.

Each chapter starts with the relevant basic science, followed by case scenarios to describe the step-by-step resuscitation process.

Authors from three different continents have contributed to this rich resource. Developed in India, the content has been peer-reviewed and referenced by PEM specialists from the University of Cape Town, South Africa; Monash University, Australia; and KKH Hospital, National University Singapore.

Indumathy Santhanam, MD, DCH is Project Coordinator, Regional Collaborative Center - National Health Mission, Paediatric Resuscitation and Emergency Medicine (PREM), High Fidelity Simulation Laboratory, Institute of Child Health, Madras Medical College, Chennai, India.

Baljit Cheema, MBBS, BSc, MRCPCH, DTM&H, MPhil (Emergency Medicine), MPP (Public Policy) is Honorary Senior Lecturer, Department of Paediatrics & Child Health, University of Cape Town, Cape Town, South Africa.

Anjali Ponni Rajkumar, MSc (Biotechnology, University of Pennsylvania) is Partner at Photo Emporium, Artist Aswatha, Chennai, India.

Simon Craig, MBBS (Hons), FACEM, MHPE, MPH is Paediatric Emergency Physician, Monash Medical Centre; Adjunct Clinical Professor, Department of Paediatrics, Monash University, Melbourne, Australia.