## Contents

## Section 1: Basic Considerations for the Child Undergoing Surgery

1.	Anatomical and Physiological Concerns	3
2.	Applied Pharmacology of Drugs Used in Perioperative Period	10
	Operation Theatre Setup for Paediatric Surgical Patients	
4.	Equipment and Monitors Related to Paediatric Anaesthesia  Dilip Pawar	26
5.	Fluid Management in Perioperative Period and Transfusion Therapy Purnima Dhar, Chetan Mehra	35
	Section 2: Anaesthetic Management in the Perioperative Period	
	Preoperative Evaluation in Paediatric Patients	
	Difficult Paediatric Airway	
	General Anaesthesia Considerations in Paediatric Patient	
9.	Paediatric Laparoscopic Surgery  Jayashree Sood	87
10.	Regional Anaesthesia in Paediatrics Mahesh Kumar Arora, Dalim Kumar Baidya	92
11.	Care of Child in PACU  V Muralidhar	109
12.	Neonate with Common Congenital Anomalies Requiring Surgery	117
13.	Children with Common Congenital Malformations Requiring Surgery	131

	Anaesthesia in Special Situations	
14.	Anaesthesia for Radiological Procedures	140
15.	Foetal Surgery	150
16.	Dental Procedures in Children: Challenges and Concerns	158
17.	Child with Malignancy	163
	Section 3: Emergent Clinical Situations	
18.	Foreign Body Airway  Dilip Pawar	177
19.	Child with Trauma  Medha Mohta	182
20.	Child with Burns Rachna Wadhwa	190
21.	Neonatal Resuscitation	200
22.	Paediatric Cardiopulmonary Resuscitation	207
	Section 4: Intensive Care	
23.	Organisation of a Paediatric Intensive Care Unit  Asha Tyagi, Abhijit Bhattacharya	233
24.	The Critically Ill Septic Child—Role of Anaesthesiologist  Abhijit Bhattacharya, Balakrishnan Ashokka	238
25.	Role of Imaging in Critically III Child	247
26.	Poisoning in Children Asha Tyagi	255
	Index	261