

SECTION 1

TRIAGE

1. Stabilization of a Sick Child in Emergency....3

AK Rawat

SECTION 2

NUTRITIONAL DISEASES

2. Nutritional Rickets7

Anoop Verma

3. Scurvy10

Anoop Verma

4. Vitamin A Deficiency12

Anoop Verma

5. Zinc Deficiency in Children14

Anoop Verma

6. Food Allergies16

Tushar Jagzape

7. Food Poisoning20

Tushar Jagzape

8. Failure to Thrive25

SA Krishna

9. Worm Infestation27

SA Krishna, Madhu Sinha

SECTION 3

NEONATOLOGY

10. Care of Normal Newborn.....31

Akash Lalwani

11. Minor Developmental Peculiarities of Newborn33

Sharja Phuljhele

12. Common Neonatal Problems36

Sharja Phuljhele

13. Common Feeding Problem39

Shilpa Bhargava

14. Crying Infant43

Prachi Bichpuria

15. Neonatal Sepsis.....46

Anil K Goel, Seema Shah, Prakash G Mathew

16. Neonatal Hypoglycemia51

Hari R Mangtani

17. Neonatal Hypothermia.....56

Swati Yadav

18. Therapeutic Hypothermia.....58

Puja Dhupar

19. Neonate Born of Mother with Chronic Systemic Disorder62

Rakesh Singh

20. Neonate Born of Mother with Maternal Infection65

Rakesh Singh

21. Neonatal Follow-up for Normal Newborn and Young Children74

Suman Sudha Tirkey

22. Follow-up of High-risk Newborn78

Puja Dhupar

23. Neonatal Thrombocytopenia.....84

Shantanu Verma

24. Neonatal Dermatitis87

Prankur Pandey

25. Newborn Screening Program91

Kanak Ramnani

SECTION 4

VACCINOLOGY

- | | |
|--|--|
| <p>26. DPT/DT, DTaP/Tdap95
<i>KP Sarbhai</i></p> <p>27. Rotavirus Vaccine.....96
<i>KP Sarbhai</i></p> <p>28. Pneumonia Vaccine..... 100
<i>KP Sarbhai</i></p> <p>29. Typhoid Vaccine 104
<i>KP Sarbhai</i></p> <p>30. Hepatitis A Vaccine 106
<i>KP Sarbhai</i></p> <p>31. Human Papillomavirus Vaccine 109
<i>KP Sarbhai</i></p> | <p>32. Influenza Vaccine 112
<i>KP Sarbhai</i></p> <p>33. Rabies Vaccine..... 116
<i>KP Sarbhai</i></p> <p>34. Japanese Encephalitis Vaccine..... 120
<i>KP Sarbhai</i></p> <p>35. Varicella Vaccine 123
<i>KP Sarbhai</i></p> <p>36. Meningococcal Vaccine 127
<i>KP Sarbhai</i></p> |
|--|--|

SECTION 5

INFECTIOUS DISEASES

- | | |
|---|--|
| <p>37. Diphtheria 131
<i>SBP Singh</i></p> <p>38. Tetanus 134
<i>SBP Singh</i></p> <p>39. Pertussis 138
<i>Raghvendra Singh</i></p> <p>40. Enteric Fever..... 140
<i>Ashwani Agrawal</i></p> <p>41. Measles 143
<i>Ashwani Agrawal</i></p> <p>42. Mumps 146
<i>Arun Agrawalla</i></p> <p>43. Rubella 148
<i>Arun Agrawalla</i></p> <p>44. Varicella and Herpes Zoster 150
<i>Inder Nathani</i></p> <p>45. Leptospirosis 153
<i>Inder Nathani</i></p> | <p>46. TORCH Infections 156
<i>Sangeetha Balasubramani, Shamsher S Dalal</i></p> <p>47. Rickettsial Diseases 161
<i>Atul Kulkarni, Ashutosh V Yajurvedi</i></p> <p>48. Malaria 166
<i>AK Rawat</i></p> <p>49. Tuberculosis 168
<i>DY Shrikhande</i></p> <p>50. Leprosy 173
<i>Vijay P Makhija</i></p> <p>51. Dengue 176
<i>Neelam Verma</i></p> <p>52. Re-emerging Infections
in Pediatrics 180
<i>Ashok Bhandari</i></p> <p>53. COVID-19 184
<i>Rama Krishnan Sanjeev</i></p> |
|---|--|

SECTION 6

GASTROENTEROLOGY

- | | |
|--|--|
| <p>54. Chronic Pain Abdomen in Children 191
<i>Smita Malhotra</i></p> | <p>55. Chronic Constipation..... 195
<i>Bhaswati C Acharyya</i></p> |
|--|--|

- 56. Recurrent Vomiting in Infants and Children.. 197**
Vibhor Borkar
- 57. Celiac Disease in Children 201**
Vibhor Borkar
- 58. Gallstones in Children 203**
Aabha Nagral
- 59. Upper Gastrointestinal Bleeding
in Children 206**
Shrish Bhatnagar, Saman Beg
- 60. Lower Gastrointestinal Bleed 210**
Gautam Ray
- 61. Acute Pancreatitis in Children 213**
Rimjhim Shrivastava
- 62. Ascites..... 216**
Yogesh Waikar
- 63. Cholestasis in Newborns and Infants 220**
Rimjhim Shrivastava
- 64. Abnormal Liver Function Tests 223**
Malathi Sathiyasekaran, Suresh Natarajan
- 65. Asymptomatic Hepatomegaly 227**
Sakshi Karkra, Rohan Karkra
- 66. Acute Viral Hepatitis 231**
Gautam Ray
- 67. Acute Liver Failure 233**
Sakshi Karkra, Rohan Karkra
- 68. Chronic Hepatitis B 238**
Shrish Bhatnagar, Alok Kumar
- 69. Metabolic Liver Disease in Children 241**
Malathi Sathiyasekaran, Ganesh Ramaswamy
- 70. Liver Mass on Imaging in Children 246**
Bhaswati C Acharyya
- 71. Liver Transplantation 249**
Prasanth KS
- 72. Foreign Body Ingestion in Children 253**
Vishnu Biradar

SECTION 7**HEMATOLOGY-ONCOLOGY**

- 73. ABC of CBC..... 259**
Prachi Chaudhary
- 74. Approach to Normocytic Anemia 264**
Atish N Bakane, Gaurav Kharya
- 75. Iron Deficiency Anemia 270**
Tripty Naik
- 76. Megaloblastic Anemia..... 273**
Nilay Mozarkar
- 77. Sickle Cell Disorders 277**
Jyotish Patel
- 78. Thalassemia..... 281**
Sunil Bhat
- 79. Aplastic Anemia in Children..... 284**
Sunil Jondhale
- 80. Leukemias in Children 288**
Suman Mittal
- 81. Lymphoma in Children 291**
Vikas Goel
- 82. Immune Thrombocytopenia
in Children 293**
AK Ganju
- 83. Hemophilia 297**
Aradhana Mishra
- 84. Hematopoietic Stem Cell
Transplantation..... 300**
Dinesh Bhurani
- 85. Blood Component Therapy 303**
Kiran Makhija

SECTION 8**RESPIRATORY SYSTEM**

- 86. Common Cold..... 309**
Subroto Chakrabartty
- 87. Allergic Rhinitis 310**
Subroto Chakrabartty

- 88. Rhinosinusitis in Children 312**
Anindya Kundu
- 89. Croup and Epiglottitis 315**
Raghvendra Singh
- 90. Acute Bronchiolitis 318**
Kripasindhu Chatterjee
- 91. Wheezing in Children 323**
Atanu Bhadra
- 92. Community-acquired Pneumonia 327**
Indranil Halder
- 93. Pleural Effusion 332**
Swapan Kumar Ray
- 94. Empyema Thoracis 334**
Swapan Kumar Ray
- 95. Lung Abscess 336**
Swapan Kumar Ray
- 96. Pneumothorax 338**
Kinshuk Sarbhai, Saurabh Gupta
- 97. Hydrocarbon Aspiration..... 342**
Taraknath Ghosh
- 98. Foreign Body in Lungs 344**
Saurabh Gupta, Kinshuk Sarbhai

SECTION 9

NEUROLOGY

- 99. Cerebral Palsy..... 349**
Sheffali Gulati, Rahul Sinha, Sonali Singh
- 100. Autism Spectrum Disorder..... 356**
Alka Srivastava
- 101. Febrile Seizure..... 361**
Anoop Verma, Vasant Khalatkar
- 102. Childhood Absence Epilepsy 363**
Sanjeev Joshi
- 103. Childhood Epilepsy with Centrottemporal Spikes..... 366**
Sanjeev Joshi
- 104. Juvenile Myoclonic Epilepsy 369**
Anoop Kumar
- 105. West Syndrome 371**
Anoop Kumar
- 106. Breath-holding Spells..... 374**
Sanjeev Joshi
- 107. Neurotuberculosis 376**
Vineet Wankhede
- 108. Neurocysticercosis 380**
Anoop Verma, Arun Agrawal, Pranati Sharma
- 109. Headache in Children 385**
Anoop Verma
- 110. Acute Rheumatic Chorea..... 389**
Anoop Verma, Onkar Khandwal
- 111. Neuro-Wilson's Disease 391**
Vineet Wankhede
- 112. Ataxia 396**
KP Sarbhai
- 113. Duchene Muscular Dystrophy 400**
Kanak Ramnani
- 114. Spinal Muscular Dystrophy 403**
Kanak Ramnani
- 115. Benign Acute Childhood Myositis 405**
Anoop Verma
- 116. Bell's Palsy 406**
Anoop Verma
- 117. Traumatic Brain Injury 408**
Anil K Goel

SECTION 10

CARDIOLOGY

- 118. Approach to a Neonate with Congenital Heart Disease 415**
Tapas Som
- 119. Approach to a Child with Cyanotic Heart Disease..... 420**
Kamirul Islam

- 120. Ventricular Septal Defect** 425
Rachita Sarangi
- 121. Atrial Septal Defect**..... 429
Taraknath Ghosh
- 122. Patent Ductus Arteriosus** 432
Supratim Datta, Basundhara Bhattacharya, Debapriya Roy
- 123. Endocardial Cushion Defect**..... 435
Kalpana Dutta, Basundhara Bhattacharya, Bonny Sen
- 124. Tetralogy of Fallot**..... 440
Hemant Kumar
- 125. Transposition of Great Arteries** 445
Nurul Islam
- 126. Complex Congenital Heart Disease** 451
Asok Kumar Datta
- 127. Kawasaki Disease (Cardiac Manifestation)** 453
Asok Kumar Datta
- 128. Anomalous Left Coronary Artery Originating from Pulmonary Artery**..... 455
Soutrik Seth
- 129. Myocardial Disease**..... 459
Asok Kumar Datta
- 130. Pericardial Disease**..... 461
Asok Kumar Datta
- 131. Pulmonary Hypertension**..... 462
Asok Kumar Datta
- 132. Cardiac Failure**..... 463
Sibabrata Patnaik
- 133. Cardiomyopathy in Children**..... 469
Sudip Saha
- 134. Cardiac Arrhythmias** 472
Soutrik Seth
- 135. Infective Endocarditis**..... 486
Asok Kumar Datta

SECTION 11**NEPHROLOGY**

- 136. Urinary Tract Infection**..... 491
Hemant Kumar, Shashank Kumar
- 137. Nephrotic Syndrome** 496
Renu Kale
- 138. Hematuria in Children** 501
Seema Jain
- 139. Renal Stones**..... 505
Nilam Thaker
- 140. Hypertension in Pediatrics**..... 509
Amish Udani
- 141. Voiding Disorders in Children**..... 513
Mahipal Khandelwal

SECTION 12**ENDOCRINOLOGY**

- 142. Childhood Hypothyroidism** 521
Saurabh Uppal, Neeraj Sehgal
- 143. Childhood Obesity** 524
Ruchi Parikh
- 144. Type 1 Diabetes**..... 529
Saurabh Uppal
- 145. Precocious Puberty**..... 534
Swati Kanodia
- 146. Disorders of Sex Development** 538
Ruchi Parikh

SECTION 13

RHEUMATOLOGY

- 147. Laboratory Tests in Pediatric Rheumatology. 545**
Reena Karkhele, Vijay Kamale
- 148. Juvenile Idiopathic Arthritis 548**
Reena Karkhele, Vijay Kamale
- 149. Pediatric Systemic Lupus Erythematosus 554**
Jijo Joseph John, Reny Joseph
- 150. Lupus Nephritis 558**
Jijo Joseph John, Reny Joseph
- 151. Rheumatic Fever 561**
Vijay Kamale, Nitin Kadam
- 152. Juvenile Dermatomyositis 566**
TP Yadav, Somdipa Pal
- 153. Henoch–Schönlein Purpura 568**
TP Yadav, Jessica Hlawndo
- 154. Kawasaki Disease 570**
Vijay Kamale, Nimain Mohanty

SECTION 14

GENETIC DISORDERS

- 155. Genetic Counseling 577**
Amar Verma, Anita Verma
- 156. Common Chromosomal Disorders 580**
Manika Verma, Anita Verma, Amar Verma
- 157. Dysmorphic Child 587**
Anoop Verma
- 158. Karyotyping 591**
Amar Verma, Anita Verma
- 159. Inborn Errors of Metabolism 594**
Anupa Prasad
- 160. Prenatal Screening and Diagnosis of
Congenital Disorders 599**
Sarita Agrawal, Arpana Verma
- 161. Lysosomal Storage Diseases
in India 606**
Ravinder Makkar

SECTION 15

DERMATOLOGY

- 162. Urticaria and Angioedema 615**
Vijay P Makhija
- 163. Papular Urticaria 617**
Vijay P Makhija
- 164. Atopic Dermatitis 618**
Vijay P Makhija
- 165. Pityriasis Versicolor 621**
Vijay P Makhija
- 166. Tinea Infections 622**
Vijay P Makhija
- 167. Scabies 624**
Vijay P Makhija
- 168. Impetigo 626**
Vijay P Makhija
- 169. Acne Vulgaris 627**
Vijay P Makhija
- 170. Stevens–Johnson Syndrome 629**
Anoop Verma
- 171. Hand, Foot, and Mouth 632**
Anoop Verma

SECTION 16

MISCELLANEOUS

- | | | | |
|--|------------|--|------------|
| 172. Common Ophthalmic Problems
in Children | 637 | 174. Common Pediatric and Neonatal Surgical
Problems..... | 648 |
| <i>Rajiv Kumar Gupta, Vishal</i> | | <i>Nitin Sharma</i> | |
| 173. Common Orthopedic Problems
in Children | 644 | 175. How to Read X-ray Chest?
(Step-by-Step Guide)..... | 656 |
| <i>Raman Shrivastava</i> | | <i>Amar Verma, Ravi Kant Narayan, Anita Verma</i> | |
| | | <i>Index</i> | <i>661</i> |