
Contents

Part I Gastroenterology and Nutrition

1 Microvillus Inclusion Disease and Tufting Enteropathy	3
Agostino Nocerino and Stefano Guandalini	
2 The Spectrum of Autoimmune Enteropathy	13
Natalia Nedelkopoulou, Evangelia Farmaki, Maesha Deheragoda and Babu Vadlamayan	
3 Congenital Problems of the Gastrointestinal Tract	23
Nigel J. Hall	
4 Pyloric Stenosis	35
Shailee Sheth and Ashish P. Desai	
5 Gastrointestinal Problems of the Newborn	41
Christophe Dupont, Nicolas Kalach and Véronique Rousseau	
6 Enteral Nutrition in Preterm Neonates	53
Gianluca Terrin, Thibault Senterre, Jacques Rigo and Mario De Curtis	
7 Parenteral Nutrition in Premature Infants	73
Thibault Senterre, Gianluca Terrin, Mario De Curtis and Jacques Rigo	
8 Infectious Esophagitis	87
Salvatore Cucchiara, Giovanni Di Nardo and Salvatore Oliva	
9 Eosinophilic Esophagitis	93
Natalia Nedelkopoulou, Alberto Quaglia and Babu Vadlamayan	
10 Gastroesophageal Reflux	105
Yvan Vandenplas	
11 Esophageal Achalasia	131
Efstratios Saliakellis, Keith J. Lindley and Osvaldo Borrelli	
12 <i>Helicobacter pylori</i> Gastritis and Peptic Ulcer Disease	143
Iva Hojsak	
13 Menetrier Disease	157
Yvan Vandenplas	

14	Viral Diarrhea	159
	Alfredo Guarino and Eugenia Bruzzese	
15	Bacterial Infections of the Small and Large Intestine	171
	Vittoria Buccigrossi and Maria Immacolata Spagnuolo	
16	Intestinal Parasites	185
	Margot L. Herman and Christina M. Surawicz	
17	Persistent Diarrhea in Children in Developing Countries	195
	Jai K. Das, Christopher Duggan and Zulfiqar A. Bhutta	
18	HIV and the Intestine	203
	Andrea Lo Vecchio, Antonietta Giannattasio and Alfredo Guarino	
19	Functional Abdominal Pain and Other Functional Gastrointestinal Disorders	215
	Mark P. Tighe and R. Mark Beattie	
20	Disorders of Sucking and Swallowing	233
	Francesca Paola Giugliano, Erasmo Miele and Annamaria Staiano	
21	Defecation Disorders in Children: Constipation and Functional Fecal Incontinence	247
	Shaman Rajindrajith, Niranga Manjuri Devanarayana and Marc A. Benninga	
22	Hirschsprung's Disease and Intestinal Neuronal Dysplasias	261
	Massimo Martinelli and Annamaria Staiano	
23	Chronic Intestinal Pseudo-Obstruction in Childhood	269
	Efstratios Saliakellis, Osvaldo Borrelli and Nikhil Thapar	
24	Gastrointestinal and Nutritional Problems in Neurologically Handicapped Children	281
	Paolo Quitadamo and Annamaria Staiano	
25	Cyclic Vomiting Syndrome	285
	Bhanu Sunku and B U. K. Li	
26	Food Allergy	295
	Whitney M. Rassbach and Scott H. Sicherer	
27	Eosinophilic Gastroenteropathy	307
	Alfredo J. Lucendo	
28	Crohn's Disease	323
	Salvatore Cucchiara and Marina Aloia	
29	Indeterminate Colitis/Inflammatory Bowel Disease Unclassified (IBD-U)	335
	Barbara S. Kirschner	
30	Ulcerative Colitis	341
	Leslie M Higuchi, Brian P Regan and Athos Bousvaros	

31	Vasculitides Including Henoch–Schönlein Purpura	369
	Keith J. Lindley and Jutta Köglmeier	
32	Lymphonodular Hyperplasia	377
	Tuomo J. Karttunen and Sami Turunen	
33	Acute Pancreatitis	385
	Alisha Mavis, Praveen S. Goday and Steven L. Werlin	
34	Hereditary Pancreatitis and Chronic Pancreatitis	395
	Aliye Uc and Michael Wilschanski	
35	Fecal Microbial Transplant: For Whom, How, and When	405
	Stacy A. Kahn and Jess L. Kaplan	
36	Congenital Disorders of Intestinal Electrolyte Transport	415
	Vincenza Pezzella, Tommaso Cozzolino, Ylenia Maddalena, Gianluca Terrin, Rita Nocerino and Roberto Berni Canani	
37	Immunodeficiency Disorders Resulting in Malabsorption	425
	Margherita Di Costanzo, Marinita Morelli, Monica Malamisura, Maria Giovanna Puoti and Roberto Berni Canani	
38	Congenital Disorders of Lipid Transport	437
	Nicholas O. Davidson and Emile Levy	
39	Pancreatic Insufficiency	445
	Praveen S. Goday and Steven L. Werlin	
40	Celiac Disease	453
	Stefano Guandalini and Valentina Discepolo	
41	Cystic Fibrosis	471
	Michael Wilschanski and Aliye Uc	
42	Small Intestinal Bacterial Overgrowth	487
	Jon A. Vanderhoof and Rosemary Pauley-Hunter	
43	Short-Bowel Syndrome	495
	Jon A. Vanderhoof and Rosemary Pauley-Hunter	
44	Malnutrition: A Global Problem	505
	Jai K. Das, Rehana A. Salam and Zulfiqar A. Bhutta	
45	Probiotics	515
	Yvan Vandenplas, Geert Huys and Georges Daube	
46	Enteral Nutrition	529
	Timothy A. Sentongo, Olivier Goulet and Virginie Colomb	
47	Parenteral Nutrition in Infants and Children	551
	Susan Hill	

48	Intussusception	561
	Lydia O'Sullivan and Ashish P. Desai	
49	Meckel's Diverticulum	567
	Ashish P. Desai	
50	Acute Appendicitis	571
	Rakesh Kumar Thakur and Ashish P. Desai	
51	Gastrointestinal Vascular Anomalies	581
	Indre Zaparackaitė and Ashish P. Desai	
52	Polyps and Other Tumors of the Gastrointestinal Tract	587
	Warren Hyer, Marta Tavares and Mike Thomson	

Part II Hepatology

53	Normal Liver Anatomy and Introduction to Liver Histology	609
	Corina Gabriela Cotoi and Alberto Quaglia	
54	Diagnostic Procedures in Pediatric Hepatology	613
	Annamaria Deganello and Maria E. K. Sellars	
55	Infantile Cholestasis: Approach and Diagnostic Algorithm	625
	Sona Young and Ruba K. Azzam	
56	Biliary Atresia and Choledochal Malformations	633
	Elke Zani-Ruttenstock and Mark Davenport	
57	Congenital Hepatic Fibrosis, Caroli's Disease, and Other Fibrocystic Liver Diseases	647
	Nathalie Rock, Ino Kanavaki and Valérie McLin	
58	Familial Intrahepatic Cholestasis	663
	Tassos Grammatikopoulos and Richard J. Thompson	
59	Alagille Syndrome	671
	Binita Maya Kamath	
60	Chronic Viral Hepatitis B and C	681
	Stefan Wirth	
61	Bacterial, Fungal and Parasitic Infections of the Liver	693
	Anita Verma	
62	Liver Disease in Primary Immunodeficiencies	701
	Nedim Hadzic	
63	Autoimmune Liver Disease	705
	Giorgia Mieli-Vergani and Diego Vergani	
64	Inherited Metabolic Disorders and the Liver	721
	Hugh Lemonde and Mike Champion	

65	Wilson's Disease	743
	Piotr Socha and Stuart Tanner	
66	Nonalcoholic Fatty Liver Disease	753
	Emer Fitzpatrick	
67	Vascular Disorders of the Liver	775
	Ruth De Bruyne and Pauline De Bruyne	
68	Portal Hypertension in Children	791
	Angelo Di Giorgio and Lorenzo D'Antiga	
69	Liver Tumors in Children	819
	Mohamed Rela and Mettu Srinivas Reddy	
70	Acute Liver Failure in Children	831
	Naresh P. Shanmugam, Chayarani Kelgeri and Anil Dhawan	
71	Complications of Cirrhosis in Children	843
	Naresh P. Shanmugam and Anil Dhawan	
72	Nutritional Management of Children with Liver Disease	861
	Sara Mancell and Deepa Kamat	
73	Pediatric Liver Transplantation	871
	Nigel Heaton	
74	Growing Up with Liver Disease	887
	Marianne Samyn and Anna Hames	
75	New Horizons in Pediatric Hepatology: A Glimpse of the Future	897
	Emer Fitzpatrick and Anil Dhawan	
	Index	905