

Contributors v

Preface xi

Primary Care and the Continuity Clinic 1

Marie Batty and Cassandra Pruitt

Newborn Nursery 21

Kelsey Sisti and Noor Riaz

Emergencies 33

Anne Marie Anderson and Tara Conway Copper

Poisonings 53

Jennifer Horst, Ari Filip, and Robert M. Kennedy

Basic Orthopedics 71

Kathryn Leonard and Dean Odegard

Child Maltreatment 90

Adrienne D. Atzemis and Jamie S. Kondis

Neonatology 104

Kelleigh Briden and Melissa M. Riley

Critical Care 121

Ashley Turner, Ashley Steed, and Nikoleta Kolovos

Surgery 154

Baddr Shakhsheer and Brad W. Warner

Adolescent Medicine 170

Jessica Sims, Sarah Mermelstein, Sarah Tycast, and Katie Plax

Allergic Diseases and Asthma 190

Alexa Altman Doss, Jeffrey Stokes, Caroline C. Horner, and Lila Kertz

Child Psychiatry 222

Andrea Giedinghagen

Developmental and Behavioral Pediatrics 231

Paul S. Simons and Abigail M. Kissel 14

Cardiology 252

William B. Orr and Jennifer N. Avari Silva

15

Dermatologic Diseases 282

- Lily Chen, Cynthia Wang, and Leonid Shmuylovich*
16
Genetic Diseases 306
- Katherine Abell King, Catherine Gooch, and Hoanh Nguyen*
17
Gastrointestinal Symptoms and Associated Diseases 324
- Elizabeth C. Uterson, Stefani Tica, Robert J. Rothbaum, and David A. Rudnick*
18
Endocrinology 337
- Ana María Arbeláez, Carine Anka, Katherine Burgener, Samuel Cortez, Jennifer May, and Stephen Stone*
19
Hematology and Oncology 380
- Sima Bhatt and Melanie Fields*
20
Primary Immunodeficiencies 407
- Maleewan Kitcharoensakkul*
21
Infectious Diseases 423
- Andrew B. Janowski, Carol M. Kao, and Alexis Elward*
22
Infection Prevention 474
- Patti Kieffer and Patrick J. Reich*
23
Night Curriculum for Cross Coverage 480
- Amanda Reis Dube and Chrissy Hrach*
24
Neurology 498
- Cameron Crockett, Sarah Dixon, Cristina M. Gaudioso, and Jennifer L. Griffith*

25

Nephrology 521

Brian R. Stotter and Vikas R. Dharnidharka

26

Palliative Care 557

Will Johansen and Joan L. Rosenbaum *Pulmonary Diseases* 568

Cadence Kuklinski and Katherine Rivera-Spoljaric

Patient Safety and Quality Improvement 583

Kevin O'Bryan and Chrissy Hrach

Radiology 589

Ting Y. Tao and William McAlister

Rheumatologic Diseases 616

Tarin M. Bigley and Erica Schmitt

Sedation 635

Mythili Srinivasan and Robert M. Kennedy

Appendix A: Immunization Guidelines, 2022 656

Appendix B: Development Milestones 659

Appendix C: Growth Charts 667

Appendix D: Tanner Stages 677

Appendix E: Phototherapy/Exchange Transfusion Guidelines 679

Appendix F: Hypertension in Children and Adolescents 681

Appendix G: Common Procedures 693

Index 699