
<i>Preface to the Third Edition</i>
<i>Preface to the First Edition</i>
<i>Contributors</i>

SECTION I Evolving Epidemiology of HIV

1. Pediatric HIV Infection in the United States	3
<i>Martha F. Rogers, Mary Lou Lindgren, R. J. Simonds, Marta Gwinn, Jeanne Bertolli</i>	
2. European Epidemiology.....	13
<i>Stéphane Blanche, Pier Angelo Tovo</i>	
3. HIV Infection in Africa.....	23
<i>Alan E. Greenberg, François Dabis, Lawrence H. Marum, Kevin M. De Cock</i>	
4. HIV Infection and AIDS in Asia.....	47
<i>Timothy D. Mastro, Kong-Lai Zhang, Samiran Panda, Kenrad E. Nelson</i>	

SECTION II Diagnostic Challenges, Pathogenesis, and Transmission of HIV

5. Diagnosis of HIV Infection and Markers of Disease Progression in Infants and Children ..	67
<i>Paul Palumbo, Sandra K. Burchett</i>	
6. Viral and Immunopathogenesis of Vertical HIV-1 Infection	89
<i>Katherine Luzuriaga, John L. Sullivan</i>	
7. Continuing Issues Regarding Transfusion- and Coagulation-Factor Acquired HIV Infection.....	105
<i>Harvey G. Klein</i>	

SECTION III Clinical Manifestations in Infants, Children, and Adolescents

Part A: Problems with Infections

8. Invasive Bacterial Infections in Children with HIV Infection	117
<i>Catherine M. Wilfert</i>	

ents

vii

ix

xi

9.	Otitis Media and Sinusitis in Patients with HIV Infection	127
	<i>Ellen R. Wald, Barry Dashefsky</i>	
10.	Tuberculosis	139
	<i>Robert N. Husson</i>	
11.	Nontuberculous Mycobacterial Infections	157
	<i>Linda L. Lewis, C. Robert Horsburgh, Jr.</i>	
12.	Sexually Transmitted Diseases in Children and Adolescents with HIV Infection.....	169
	<i>Lawrence J. D'Angelo</i>	
13.	Fungal Infections in Children with HIV	183
	<i>Thomas J. Walsh, Frank-Michael C. Müller, Andreas Groll, Corina Gonzalez, Emmanuel Roilides</i>	
14.	Herpesvirus Infections in Children Infected with HIV	205
	<i>Paula W. Annunziato, Anne A. Gershon</i>	
15.	Respiratory Viral Infections in Children Infected with HIV	227
	<i>Janet A. Englund, James C. King, Jr.</i>	
16.	Pneumocystis carinii Pneumonia and Toxoplasmosis	251
	<i>Robert J. Simonds, Gonzalo Orejas</i>	
17.	Gastrointestinal Infections	267
	<i>Douglas K. Mitchell, John Snyder, Larry K. Pickering</i>	

Part B: Organ-Specific Manifestations

18.	Central Nervous System Manifestations and Assessment	293
	<i>Pim Brouwers, Pamela Wolters, Lucy Civitello</i>	
19.	Ocular Manifestations of HIV in the Pediatric Population.....	309
	<i>Scott M. Whitcup, Michael R. Robinson</i>	
20.	Lymphoid Interstitial Pneumonitis	323
	<i>Warren A. Andiman, William T. Shearer</i>	
21.	Cardiovascular Manifestation of HIV Infection in Children	335
	<i>Steven E. Lipshultz, Elizabeth A. Bancroft, S. M. Anne-Marie Boller</i>	
22.	Gastrointestinal and Nutritional Problems in Pediatric HIV Disease	363
	<i>Tracie L. Miller, Sumeet Garg</i>	

23.	Cutaneous and Oral Manifestations of Pediatric HIV Infection	383
	<i>Mark W. Kline</i>	
24.	Renal Problems	395
	<i>José Strauss, Carolyn Abitbol, Gastón Zilleruelo, Victoriano Pardo, Brenda Montané</i>	
25.	Myopathies and Neuropathies in HIV-Infected Adults and Children	403
	<i>Marinos C. Dalakas</i>	
26.	Abnormalities in Growth and Development....	417
	<i>Ross E. McKinney, Jr.</i>	
27.	Hematologic Problems	427
	<i>Brigitta U. Mueller</i>	
28.	Malignancies in Children with HIV Infection	443
	<i>Monica Granovsky, Brigitta U. Mueller</i>	

SECTION IV

Medical Management and Prevention

Part A: General Principles of Care

29.	Antiretroviral Treatment	463
	<i>Brigitta U. Mueller, Mark W. Kline, Philip A. Pizzo</i>	
30.	Pathogenesis and Interruption of Vertical Transmission	487
	<i>Lynne Mofenson, Catherine Wilfert</i>	
31.	Immunomodulation and Immune Reconstitution	515
	<i>Lauren V. Wood</i>	
32.	Immunizations for HIV-Infected Children	543
	<i>Samuel L. Katz</i>	
33.	HIV Vaccines.....	553
	<i>James G. McNamara, Patricia E. Fast</i>	
34.	Advances in the Management and Care of HIV-Positive Newborns and Infants	567
	<i>Andrea Kovacs, Gwendolyn B. Scott</i>	
35.	Medical Management of Newborns and Infants in Developing Countries.....	593
	<i>Andrea Ruff, Laura Guay, Neal Halsey</i>	
36.	Epidemiology and Medical Management of Adolescents.....	615
	<i>Cathryn L. Samples, Elizabeth Goodman, Elizabeth R. Woods</i>	

37.	Medical Issues Related to Provision of Care for the HIV-Infected Child in the Hospital, Home, Day Care, School, and Community.....	645
	<i>Stephen J. Chanock, Leigh G. Donowitz, Robert J. Simonds</i>	
38.	Obstetrics Issues: Relevance to Women and Children	663
	<i>Ruth Tuomala</i>	

Part B: Case Management of HIV-Infected Children and Families

39.	Nursing and Midlevel Provider Roles in the Care of Children with HIV Infection	677
	<i>Claire Walsek, Megan Valentine</i>	
40.	Psychosocial Support and Ethical Issues for the Child and Family.....	703
	<i>Lori S. Wiener, Anita Septimus, Christine Grady</i>	
41.	Children Speaking with Children and Families about HIV Infection	729
	<i>Lori S. Wiener, Vincente Figueroa</i>	
42.	Pediatric AIDS and Hospice Care.....	759
	<i>Ann Armstrong-Dailey, Janet C. Will, Sarah F. Zarbock</i>	

SECTION V Legal, Economic and Public Policy Issues

43.	Economics of Medical Care and Treatment of Children and Adolescents	775
	<i>Judith Hagopian, Gloria Weissman, Penelope Pine, Linda Honberg</i>	
44.	Expanding Access to Health Care for Infants, Children, and Adolescents.....	805
	<i>Paul H. Wise</i>	
45.	A World Perspective on HIV and AIDS in Children	819
	<i>Mark Connolly, Elizabeth A. Preble, Werasit Sittitrai, Peter Piot</i>	
	Index	837