

Contents

Part I: Genetics and the Epidemiology of Leukemia in Children

- 1 Epidemiology of Acute Childhood Leukemia 3**
Julie A. Ross, Kimberly J. Johnson,
Logan G. Spector, and John H. Kersey

Part II: Biology of Pediatric Leukemia

- 2 The Biology of Acute Lymphoblastic Leukemia 29**
William L. Carroll, Mignon Loh,
Andrea Biondi, and Cheryl Willman
- 3 Biology of Acute Myeloid Leukemia 63**
Robert J. Arceci and Soheil Meshinchi

Part III: Treatment Considerations in Childhood Leukemia

- 4 Classification and Treatment of Acute Lymphoblastic Leukemia. 79**
Stephen P. Hunger, Valentino Conter, Elizabeth A. Raetz,
Maria Grazia Valsecchi, and Guenter Henze
- 5 Treatment of Acute Myeloid Leukemia 121**
Brenda Gibson, John Perentesis, Todd A. Alonzo, and
Gertjan J.L. Kaspers

Part IV: The Impact of Pharmacogenetics and Pharmacogenomics on Childhood Leukemia

- 6 Pharmacogenetic and Pharmacogenomic Considerations
in the Biology and Treatment of Childhood Leukemia 163**
Jun J. Yang, Parinda A. Mehta, Mary V. Relling, and Stella M. Davies

Part V: The Potential Role of Biologically Targeted Therapy for Childhood Leukemia

- 7 Promising Targeted Agents 193**
Patrick Brown, Gregory H. Reaman, Nita L. Seibel, and Pamela Kearns

8 Strategies for New Agent Development and Clinical Trial Considerations	215
Malcolm Smith, Meenakshi Devidas, Keith Wheatley, Richard B. Lock, and Sally Hunsberger	
Part VI: Late Effects of Leukemia and Its Therapy	
9 Late Sequelae in Children with Acute Lymphoblastic Leukemia: Impact on Long-Term Survival and Quality of Life	245
Joseph P. Neglia, Maura O'Leary, and Smita Bhatia	
10 Acute Toxicities, Late Sequelae, and Quality of Survivorship in Children with Acute Myeloid Leukemia: The Impact of Allogeneic Stem Cell Transplant	265
Julianne Byrne, John Horan, and H. Stacy Nicholson	
Part VII: Psychosocial Implications of Acute Leukemia Diagnosis and Treatment for Children and Families	
11 Appreciation and the Interdisciplinary Management of the Psychosocial Impact of Leukemia on Children and Their Families	285
Anne L. Angiolillo, Momcilo Jankovic, Riccardo Haupt, Kathleen Ruccione, E. Anne Lown, and Robert B. Noll	
Part VIII: Global Strategies to Improve Leukemia Care and Outcome for Children	
12 Improved Outcome for Children with Acute Leukemia: How to Address Global Disparities	305
Yaddanapudi Ravindranath, Hans Peter Wagner, Giuseppe Masera, Fulgencio Baez, Anjo.J.P. Veerman, Jacqueline Cloos, Raul Ribeiro, and Gregory H. Reaman	
Part IX: Perspectives and Future Direction	
13 Future Challenges and Opportunities to Improve Outcomes for Children with Leukemia	325
Gregory H. Reaman and Franklin O. Smith	
Index	331

Childhood Leukemia

A Practical Handbook

Reaman, G.H.; Smith, F.O. (Eds.)

2011, X, 336 p., Hardcover

ISBN: 978-3-642-13780-8