

*Foreword James Stockman III*

*Preface Pedro A. de Alarcon, Eric Werner, Robert D. Christensen and Martha Sola-Visner*

*Part I. Developmental Hematology:*

*1. A historical review Howard Pearson (deceased)*

*2. Hematopoiesis Amber M. D'Souza, Pedro de Alarcon and Mervin C. Yoder*

*3. The development of the human immune system Amy O'Connell, Angela Rivers and William B. Slayton*

*Part II. Bone Marrow Failure and Immune Disorders:*

*4. Bone marrow failure syndromes Amy Geddis, Meera Srikanthan and Katie Bergstrom*

*5. Immunodeficiency diseases of the neonate Julie J. Kim-Chang, James L. Wynn, Matthew A. Saxonhouse and John W. Sleasman*

*Part III. Erythrocyte Disorders:*

*6. Newborn genetic screening for blood disorders Parul Rai, Ewelina K. Mamcarz and Jane Hankins*

*7. A guide to identifying the cause of anemia in a neonate Robert D. Christensen*

*8. Anemia of prematurity and indications for erythropoietin therapy Pamela Kling*

*9. Hemolytic disease of the fetus and newborn Mary Beth Ross, Stephen P. Emery, Pedro de Alarcon and Jon F. Watchko*

*10. Neonatal hemolysis Bertil Glader and Aditi Kamdar*

*11. Polycythemia and hyperviscosity in the newborn Ted Rosenkrantz and William Oh*

*Part IV. Platelet Disorders:*

*12. Approach to thrombocytopenia Emöke Deschmann and Martha Sola-Visner*

*13. Acquired thrombocytopenias Patricia E. Davenport and Martha Sola-Visner*

*14. Fetal and neonatal alloimmune and isoimmune thrombocytopenias W. Beau Mitchell and James B. Bussel*

*15. Congenital thrombocytopenias and thrombocytopathies Amy Geddis and Pedro de Alarcon*

*Part V. Leucocyte Disorders:*

*16. Eosinophils and neutrophils Kurt Schibler and Robert D. Christensen*

*17. Functional phagocyte disorders in the neonate Thomas F. Michniacki and Kelly Walkovich*

*Part VI. Hemostatic Disorders:*

*18. Bleeding disorders Manuela Albisetti and Paul Monagle*

*19. Neonatal thrombosis Julie Kim-Chang, James L. Wynn, Matthew A. Saxonhouse and John W. Sleasman*

*Part VII. Neonatal Transfusion Medicine:*

*20. Transfusion practices Cyril Jacquot, Yunchuan D. Mo and Naomi L. Luban*

*Part VIII. Neonatal Oncology:*

*21. Neonatal leukemia Erin M. Guest, Catherine Garnett, Irene Roberts and Alan S. Gamis*

*22. Neonatal and perinatal solid tumors Kevin F. Ginn, JasziAnne A. Tolbert, Glenson Samuel, J. Allyson Hays and Alan S. Gamis*

*Part IX. Miscellaneous:*

*23. Disorders of the fetomaternal unit Eric Werner, Nancy Chescheir and Randall Fisher*

*24. Reference intervals in neonatal hematology Robert D. Christensen.*