# Table of Contents

1. Introduction  
   Jeffrey M. Perlman, MB ChB

2. Cerebral Circulation and Hypotension in the Premature Infant – Diagnosis and Treatment  
   Claire W. McLean MD  
   Rowena Cayabyab MD  
   Shahab Noori, MD  
   Istvan Seri, MD, PhD

3. Intraventricular Hemorrhage and White Matter Injury in the Preterm Infant  
   Jeffrey M. Perlman, MB ChB

4. Posthemorrhagic Hydrocephalus Management Strategies  
   Andrew Whitelaw, MD, FRCPCH

5. Brain Cooling for the Neonatal Encephalopathy: Should it Be Used for Whom and By Whom  
   Abbot R. Laptook, MD

6. General Supportive Management of the Term Infant with Neonatal Encephalopathy Following Intrapartum Hypoxia-Ischemia  
   Jeffrey M. Perlman, MB ChB

7. Stroke in the Fetus and Neonate  
   Koray Ä–zduman, MD  
   Laura Ment, MD  
   Gabrielle deVeber, MD

8. Diagnosis and Treatment of Neonatal Seizures  
   Mark S. Scher, MD

9. Glucose and Perinatal Brain Injury  
   Jerome Y. Yager, MD  
   Kenneth J. Poskitt, MD

10. Neonatal Hypotonia  
    Keung-kit Chan, MBBS, MRCPCH  
    Basil T. Darras MD
11. Hyperbilirubinemia and the Risk for Brain Injury
   Steven M. Shapiro, MD

12. Neonatal Meningitis: Current Treatment Options
   Pablo Sanchez, MD
   David Kaufman, M.D.
   Santina Zanelli, M.D.

13. Brain MRI in the High Risk Infant
   Petra S. Huppi, MD
   Caroline Menanche Starobinski

14. Long Term Follow Up of Very Low Birth weight Infants
   Betty Vohr, MD