# Contents

## I. Foundations and Current Issues

1. Development of Neuropsychology as a Professional Psychological Specialty: History, Training, and Credentialing
   
   **Lawrence C. Hartlage and Charles J. Long**  
   
   Page 3

2. Development of the Child’s Brain and Behavior
   
   **Bryan Kolb and Bryan D. Fantie**  
   
   Page 19

3. Development of Cerebral Lateralization in Children
   
   **Marcel Kinsbourne**  
   
   Page 47

   
   **Lawrence V. Majovski and David Breiger**  
   
   Page 67

5. Neuropsychology of Child Psychopathology
   
   **Michael G. Tramontana, Stephen R. Hooper, Tiffany Watts-English, Tywanda Ellison, and T. Carter Bethea**  
   
   Page 117

6. Neurodevelopmental Malformations: Etiology and Clinical Manifestations
   
   **George W. Hynd, Allison E. Morgan, and Melanie Vaughn**  
   
   Page 147

7. Pediatric Brain Injury: Mechanisms and Amelioration
   
   **Lisa D. Stanford and Jill M. Dorflinger**  
   
   Page 169

8. Neuropsychological Basis of Learning Disabilities
   
   **Sam Goldstein and Adam Schwebach**  
   
   Page 187

9. Measurement and Statistical Problems in Neuropsychological Assessment of Children
   
   **Cecil R. Reynolds and Benjamin A. Mason**  
   
   Page 203

10. Models of Inference in Evaluating Brain–Behavior Relationships in Children
    
    **Eileen B. Fennell and Russell M. Bauer**  
    
    Page 231
II. Neuropsychological Diagnosis

11 Halstead–Reitan Neuropsychological Test Batteries for Children ........................................... 247
   NANCY L. NUSBAUM AND MELISSA R. BUNNER

12 The Nebraska Neuropsychological Children’s Battery ......................................................... 267
   CHARLES J. GOLDEN

13 Applications of the Kaufman Assessment Battery for Children, 2nd Edition in Neuropsychological
   Assessment ................................................................................................................................. 281
   KRISTEN L. MAYS, RANDY W. KAMPHAUS, AND CECIL R. REYNOLDS

14 Clinical Neuropsychological Assessment with the Test of Memory and Learning, Second Edition .......... 297
   CECIL R. REYNOLDS AND JUDITH K. VORESS

15 Utilizing a Neuropsychological Paradigm for Understanding Common Educational and Psychological
   Tests ............................................................................................................................................... 321
   ROBERT L. RHODES, RIK CARL D’AMATO, AND BARBARA A. ROTHLISBERG

16 Assessment of Behavior and Personality in the Neuropsychological Diagnosis of Children ................. 349
   PHYLLIS ANNE TEETER, LAURA ECKERT, AMY NELSON, PETER PLATTEN, MARGARET SEMRUD-CLIKEMAN,
   AND RANDY W. KAMPHAUS

17 Psychophysiological Evaluation of Neuropsychological Disorders in Children ................................. 383
   THALIA HARMONY

18 The Assessment of the Hispanic Child ....................................................................................... 401
   MARGO A. CANDELARIA AND ANTONIL M. LLORENTE

III. Techniques of Intervention

19 Neurocognitive Interventions for Childhood and Adolescent Disorders: A Transactional Model .......... 427
   PHYLLIS ANNE TEETER

20 Brain Injury Rehabilitation of Children and Youth: Neurodevelopmental Perspectives ..................... 459
   H. DENNIS KADE AND ELAINE FLETCHER-JANZEN
21 The Neuropsychology of Pediatric Epilepsy and Antiepileptic Drugs ................. 505
THOMAS L. BENNETT AND MAILE R. HO

22 Neuropsychological Effects of Stimulant Medication on Children’s Learning and Behavior ........................................ 529
RONALD T. BROWN AND BRIAN P. DALY

23 Nonstimulant Psychotropic Medication: Desired and Adverse Cognitive Events ...... 581
MANUEL L. CEPEDA

IV. Special Topics in Clinical Child Neuropsychology

24 Child Clinical Neuropsychology of Drug Abuse ........................................ 599
ARTHUR MACNEILL HORTON, JR. AND ARTHUR MACNEILL HORTON, III

25 Neuropsychological Aspects of Attention-Deficit Hyperactivity Disorder .......... 617
SAM GOLDSTEIN AND KORDELL KENNER

26 Neurobehavioral and Neurodevelopmental Sequelae Associated with Pediatric HIV Infection ........................................ 635
ANTOLIN M. LLORENTE, CHRISTINE LOPRESTI, AND PAUL SATZ

27 Neuropsychological Sequelae of Chronic Medical Disorders in Children and Youth ..................................................... 671
RICHARD A. BERG AND JOHN C. LINTON

28 Coping and Adjustment of Children with Neurological Disorder ..................... 703
TIMOTHY B. WHELAN AND MARIE L. WALKER

29 Child Forensic Neuropsychology: A Scientific Approach ................................ 729
ROBERT J. MCCAFFREY, JULIE E. HORWITZ, AND JULIE K. LYNCH

30 Neuropsychology and Coma Management .................................................. 745
JOAN W. MAYFIELD, LINDA PEDESEN, AND FRANK MCDONALD

31 Neuropsychological Aspects of Pervasive Developmental and Autism Spectrum Disorders ........................................... 765
PRISCILLA A. BADE-WHITE, JOHN E. OBRZUT, AND PHILIP P. RANDALL

32 Using the Planning, Attention, Simultaneous, Successive (PASS) Theory Within a Neuropsychological Context ............... 783
JACK A. NAGLIERI, CARA CONWAY, AND SAM GOLDSTEIN

Index ......................................................... 801
Handbook of Clinical Child Neuropsychology
Reynolds, C.; Fletcher-Janzen, E. (Eds.)
2009, XIV, 814 p., Hardcover