

Contents

Chapter 1	Cognitive and behavioural assessment in children with mental retardation <i>Sara Bulgheroni, Chiara Vago, Arianna Usilla and Daria Riva</i>	1
Chapter 2	Neurodiagnostics for children with mental retardation <i>Chiara Pantaleoni, Morena Doz, Sara Bulgheroni, Chiara Vago and Stefano D'Arrigo</i>	13
Chapter 3	Mental retardation and epilepsy <i>Thierry Deonna and Eliane Roulet-Perez</i>	19
Chapter 4	Mental retardation in patients with neuromuscular disorders <i>Eugenio Mercuri, Marika Pane, Sonia Messina and Angela Beradinelli</i>	33
Chapter 5	Mental retardation in paediatric disease <i>Angelo Selicorni, Marta Cerutti, Cecilia Vellani, Melissa Bellini and Donatella Milani</i>	49
Chapter 6	Laboratory: instructions for proper use of genetic tests <i>Angelo Selicorni, Cecilia Vellani, Marta Cerutti, Melissa Bellini and Donatella Milani</i>	63
Chapter 7	X-linked mental retardation: a diagnostic, clinical and molecular update <i>Rossella Caselli, Filomena T. Papa, Francesca Ariani, Iliaria Meloni and Alessandra Renieri</i>	79
Chapter 8	Phenotypes of Smith-Magenis syndrome <i>Stefano D'Arrigo, Sara Bulgheroni and Chiara Pantaleoni</i>	93
Chapter 9	Rett syndrome and its variants <i>Michele Zappella</i>	101

Chapter 10	Phenotypes in chromosome 15-linked syndromes <i>Agatino Battaglia</i>	111
Chapter 11	The psychopathological structure of the child with mental retardation <i>Pietro Pfanner and Mara Marcheschi</i>	119
Chapter 12	Psychiatric comorbidity in intellectual disability (mental retardation) <i>Carlo Cianchetti, Marta Meloni and Giorgio Gaspa</i>	127
Chapter 13	Pharmacological treatment of psychiatric comorbidities in mental retardation <i>Gabriele Masi and Cinzia Pari</i>	141
Chapter 14	Neuropsychological rehabilitation in children with cognitive impairment <i>Chiara Gagliardi, Sara Martelli and Renato Borgatti</i>	153
Chapter 15	An educational approach in mental retardation: how to build an individualized education plan (IEP) <i>Stefania Bargagna, Margherita Bozza, Francesca Liboni and Anastasia Dressler</i>	161
Chapter 16	Medical treatments for mental retardation: the neurobiological bases for new therapeutic approaches <i>Alessandro Zuddas, Nicoletta Adamo, Cristina Peddis, Giulia Congia and Tatiana Usala</i>	169
Chapter 17	The Feuerstein method: an effective tool for rehabilitation in mental retardation <i>Antonia Madella Noja</i>	183
Chapter 18	Understanding alterations during human brain development with molecular imaging: a guide to new treatment approaches for mental retardation <i>Diane C. Chugani</i>	191
Chapter 19	Mental retardation: definition and classification systems <i>Daria Riva, Arianna Usilla, Chiara Vago, Federica Aggio and Sara Bulgheroni</i>	203
Chapter 20	Neuropsychological profile of Williams syndrome <i>Stefano Vicari</i>	211
Chapter 21	Neuropsychology of mental retardation: fragile X syndrome as paradigm of the cognitive-behavioural phenotypes <i>Daria Riva, Arianna Usilla, Chiara Vago, Federica Aggio and Sara Bulgheroni</i>	223