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Nota di contenuto	Intergenerational effects of mutations in the fragile X mental retardation 1 gene : fragile X : a model of X-linked mental retardation and neurodegeneration / Mariya Borodyanskaya ... [et al.] -- Autism : genes, anatomy, and behavioral outcome / Emma Esser, Saasha Sutera, and Deborah Fein -- Development in spina bifida : neurobiological and environmental factors / Marcia A. Barnes ... [et al.] -- Language and communication in autism spectrum disorders / Susan Ellis Weismer -- Language development in children with Williams syndrome : new insights from cross-linguistic research / Stavroula Stavrakaki -- Language in Down syndrome : a life-span perspective / Jean A. Rondal

-- Genetic disorders as models of mathematics learning disability : fragile X and Turner syndromes / Melissa M. Murphy, MIchele M.M. Mazzocco, and Michael McCloskey -- A developmental approach to genetic disorders / Sarah J. Paterson -- The use of strategies in embedded figures : tasks by boys with and without organic mild mental retardation : a review and some experimental evidence / Anastasia Alevriadou and Helen Tsakiridou.

Sommario/riassunto

Genetic syndromes and neurodevelopmental disorders that have a genetic basis are associated with cognitive and academic disabilities. Genes, Brain and Development reviews the connections between genes, brain, and behavior for a range of genetic disorders, and also considers lifespan and treatment issues. The content further explores what is known about development in neurogenetic disorders, particularly in the domains of language and mathematics, and shows how this knowledge is pertinent to understanding both these specific disorders, and disorders of language and math more generally. This will be essential reading for a wide range of brain scientists and developmental clinicians, including neuropsychologists, cognitive psychologists, neurologists, psychiatrists, pediatricians, neuroscientists and geneticists.