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Neurodevelopmental Disabilities in Neonates

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Message from the Guest Editor

Dear Colleagues,

Large population-based studies reporting on the fate of prematurely born children have mainly focused on children born extremely preterm and less on children born very or moderately preterm. Premature birth is associated with a significantly increased risk of infantile and adolescent psychopathology, with social adjustment disorders, compared to full-term birth. These social adjustment disorders are correlated with language disorders and/or dysexecutive syndrome and/or behavioral disorders. Thus, neurobehavioral disorders currently dominate the fate of long-term prematurity. Relative to our understanding of the motor and cognitive outcomes, robust conclusions regarding the true nature of childhood psychopathology remain a major challenge, spanning from subclinical to clinical presentations. The aim of this review is to provide a complete characterization of the neurobehavioral phenotype and to highlight the main gaps in knowledge, mainly with regard to the evolution of symptoms, the co-occurrence of disorders, and associations with chronological age and degree of prematurity.



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Special Issue



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Message from the Editor-in-Chief

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