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Perinatal factors in development of ADHD and ASD

Autism spectrum disorders are a neurodevelopmental disorders with male predominance (4:1) characterized by social and communication impairments, communication deficits and stereotyped patterns of behavior. Other disorders that are included in the autism spectrum disorder (ASD) included Asperger disorder, Rett disorder, childhood dis- integrative disorder and pervasive developmental disorder not otherwise specified. The prevalence of autism is 5 of every 10,000 children, but it have been significantly increased in the last decades. Elberling et al. have clearly established the predictors for pervasive developmental disorder in 10 month age infant. Etiologic hypotheses suggest a strong genetic component, and the possible interaction between the epigenetic factors in the early fetal development. The suggested enviromental factors are include. nutritional and immune function related risk factors such as lack of vitamin D and folic acid supplementation, and metabolic syndrome. The purpose of the study was to investigate whether which conditions and factors were associated with development of ASDs in the offspring.

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