

Atypicality of the N170 Event-Related Potential in Autism Spectrum Disorder: A Meta-analysis

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Previous research has suggested that people with autism have difficulty processing faces. One way to measure this is to look at brain activity in response to seeing pictures of human faces. In this study, we combined data from 23 different studies that used electroencephalography (EEG) to measure brain waves when people looked at human faces. Results showed that brain activity was different in people with autism compared to people without autism when looking at faces; specifically, people with autism processed faces more slowly. This is important because it tells us that brain activity when looking at faces could be a biomarker of social communication difficulties in autism.