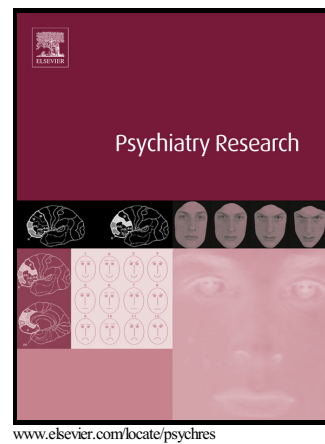


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## **Metacognitive Processes in Psychometrically Defined Schizotypy**

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### **Abstract**

Metacognitive abnormalities have been implicated in the experience of psychotic symptoms; however, the process through which this occurs remains unclear. The aim of this study was to clarify the association of self-reported schizotypy with metacognitive beliefs and neural activity related to higher-order cognition. Event-related potentials (ERPs) including the error-related negativity (ERN) and error positivity (Pe) were recorded during a Flanker task in 20 controls and 22 individuals with high self-reported schizotypy on the Schizotypal Personality Questionnaire-Brief Revised (SPQ-BR). Participants continuously evaluated their task performance and completed the Metacognitions Questionnaire-30 (MCQ-30). The high schizotypy group demonstrated higher scores on all subscales of the MCQ-30. In contrast, task performance, accuracy of self-performance evaluation, and amplitudes of the ERN and Pe did

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