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# “Cognitive Dysmetria” as an Integrative Theory of Schizophrenia: A Dysfunction in Cortical-Subcortical-Cerebellar Circuitry? FREE

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*Schizophrenia Bulletin*, Volume 24, Issue 2, 1 January 1998, Pages 203–218,

<https://doi.org/10.1093/oxfordjournals.schbul.a033321>

**Published:** 01 January 1998

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## Abstract

Earlier efforts to localize the symptoms of schizophrenia in a single brain region have been replaced by models that postulate a disruption in parallel distributed or dynamic circuits. Based on empirical data derived from both magnetic resonance and positron emission tomography, we have developed a model that implicates connectivity among nodes located in prefrontal regions, the thalamic nuclei, and the cerebellum. A disruption in this circuitry produces “cognitive dysmetria,” difficulty in prioritizing, processing, coordinating, and responding to information. This “poor mental coordination” is a fundamental cognitive deficit in schizophrenia and can account for its broad diversity of symptoms.

**Keywords:** [Cognitive dysmetria](#), [cerebellum](#), [thalamus](#), [prefrontal cortex](#)

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