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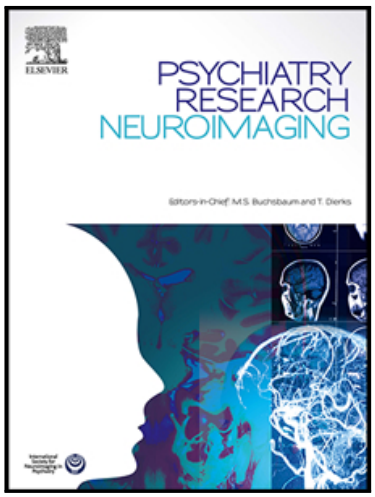

Neurometabolic Abnormalities in the Associative Striatum in Antipsychotic-naïve First Episode Psychosis Patients

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Highlights

- We replicate previously reported findings of elevated choline in the associative striatum in first episode psychosis and extend the literature by showing that decoupling between N-acetyl-aspartate and Glx (glutamate+glutamine) is present in the associative striatum. Decoupling of NAA and Glx could reflect a disruption in neuro-glial energy systems that in turn could affect membrane stability and choline levels.
- As with the majority of MRS studies in patients with schizophrenia, we also did not observe any relationships between clinical variables and metabolite levels.

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