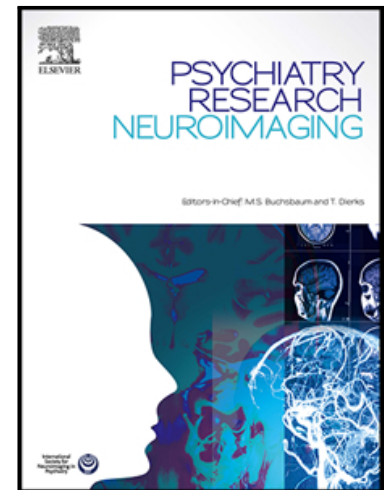


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Fronto-striatal effective connectivity of working memory in adults with cannabis use disorder

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Highlights

- This study investigated working memory in cannabis use disorder.
- Dynamic causal modeling was used to assess underlying neural circuits.
- Decreased right DLPFC to left caudate effective connectivity was found during higher memory demand.
- Increased effective connectivities from other prefrontal cortices to caudate were observed.
- May reflect negative effects of cannabis use and compensatory mechanism respectively.

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