

Dopamine overdose hypothesis

Posits that the excess of exogenous [dopamine](#) in the [frontal](#) cortical regions can impair [cognition](#).

Findings demonstrate dopamine-related dissociation in brain activation between cortical and subcortical regions, and provide novel support for the dopamine overdose hypothesis ¹⁾.

¹⁾

Kim J, Zhang K, Cai W, YorkWilliams S, I Ua Cruadhlaich MA, Llanes S, Menon V, Poston KL. Dopamine-Related Dissociation of Cortical and Subcortical Brain Activations in Cognitively Unimpaired Parkinson's Disease Patients OFF and ON Medications. *Neuropsychologia*. 2018 Jul 21. pii: S0028-3932(18)30377-4. doi: 10.1016/j.neuropsychologia.2018.07.024. [Epub ahead of print] PubMed PMID: 30040957.

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