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“Pure apathy” and cognitive dysfunctions in Parkinson’s disease: a meta-analytic study

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Highlights

- In Parkinson’s disease (PD), apathy is associated with more severe cognitive deficits
- Apathetic PD patients showed more severe executive dysfunctions
- Apathetic and non-apathetic PD patients did not differ on short term verbal memory
- Pure apathy is related to reduced long term verbal memory and visuospatial abilities
- Pure apathy is strongly related to inhibition dysfunctioning in PD

Abstract

Parkinson’s Disease (PD) is characterized by motor and non-motor symptoms such as cognitive deficit and behavioural disturbances. Apathy seems to be related to cognitive impairment, but some studies failed to confirm the relationship due to different methodological procedures across studies.

A meta-analysis on 8 studies was performed to explore the cognitive correlates of apathy without

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