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Alterations in conflict monitoring are related to functional connectivity in Parkinson's disease

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Graphical abstract

When patients with Parkinson's disease (PD) were engaged in a word-color Stroop task they presented reduced connectivity within the ACC-based fronto-parietal attentional network. While reduced left ACC-parietal connectivity was selective to the conflict Stroop condition, left ACC-frontal connectivity was less specific, and was detected in the congruent condition as well. Lines represent functional connectivity in patients with Parkinson's disease as compared to healthy controls.

ACC= anterior cingulate cortex; SFG= superior frontal gyrus.

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