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Why don't we move faster? Parkinson's disease, movement vigor, and implicit motivation.

Mazzoni P, Hristova A, Krakauer JW

J Neurosci 2007 Jul 4 **27**(27):7105-16 [[abstract on PubMed](#)] [[citations on Google Scholar](#)]

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Faculty Member

Kent Berridge

 University of Michigan,
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 Neuroscience

Hypothesis

Comments

This interesting paper suggests that nigrostriatal dopamine systems in humans may mediate 'motor motivation', which Parkinson's disease impairs. Mazzoni, Hristova, and Krakauer report that the fastest movements of Parkinson's patients equal the fastest of normal subjects, but that the probability of fast movements is reduced, and suggest that reduction in implicit motivation to incur energetic cost may explain the pattern.

Competing interests: None declared

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How to cite the Faculty of 1000 Biology evaluation(s) for this paper

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 Faculty of 1000 Biology: evaluations for Mazzoni P et al *J Neurosci* 2007 Jul 4 27 (27) :7105-16 <http://f1000biology.com/article/id/1088754/evaluation>

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