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Authors: Pablo Cornejo Thumm, Inbal Maidan, Marina Brozgol, Shiran Shustak, Eran Gazit, Shirley Shema Shiratzki, Hagar Bernad-Elazari, Yoav Beck, Nir Giladi, Jeffrey M. Hausdorff, Anat Mirelman



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## ACCEPTED MANUSCRIPT

#### Gait & Posture Special Issue on Parkinson's Disease

#### Treadmill walking reduces pre-frontal activation in patients with Parkinson's disease

Pablo Cornejo Thumm<sup>1</sup>, Inbal Maidan<sup>1,2</sup>, Marina Brozgol<sup>1</sup>, Shiran Shustak<sup>1</sup>, Eran Gazit<sup>1</sup>, Shirley Shema Shiratzki<sup>1</sup>, Hagar Bernad-Elazari<sup>1</sup>, Yoav Beck<sup>1</sup>, Nir Giladi<sup>1,2,4</sup>, Jeffrey M Hausdorff<sup>1,3-5</sup>, Anat Mirelman<sup>1,2,4,6</sup>

<sup>1</sup>Center for the Study of Movement, Cognition and Mobility, Neurological Institute, Tel Aviv Sourasky Medical Center, Israel; <sup>2</sup>Department of Neurology and Neurosurgery, and <sup>3</sup>Department of Physical Therapy, Sackler Faculty of Medicine, Tel Aviv University, Israel; <sup>4</sup>Sagol School of Neuroscience, Tel Aviv University, Israel; <sup>5</sup>Rush Alzheimer's Disease Center and Department of Orthopaedic Surgery, Rush University Medical Center; <sup>6</sup> Laboratory for Early Markers Of Neurodegeneration (LEMON), Tel Aviv Medical Center, Tel Aviv, Israel.

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#### **Correspondence to:**

Anat Mirelman, PhD Center for the study of Movement, Cognition and Mobility Neurological Institute Tel Aviv Medical Center 6 Weizmann Street, Tel Aviv 64239, Israel fax: +972-3-697-7514 e-mail: anatmi@tlvmc.gov.il

#### Highlights

- In PD, prefrontal activation when walking is lower on the treadmill than overground
- Treadmill walking is also more stable than overground walking.
- Differences in activation are related to disease duration, but not gait speed

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