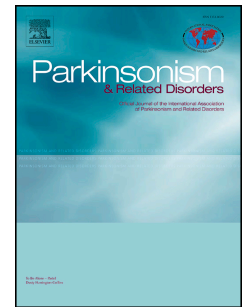


Accepted Manuscript

Motor subtype changes in early Parkinson's disease

Robert S. Eisinger, Christopher W. Hess, Daniel Martinez-Ramirez, Leonardo Almeida, Kelly D. Foote, Michael S. Okun, Aysegul Gunduz



PII: S1353-8020(17)30265-1

DOI: [10.1016/j.parkreldis.2017.07.018](https://doi.org/10.1016/j.parkreldis.2017.07.018)

Reference: PRD 3363

To appear in: *Parkinsonism and Related Disorders*

Received Date: 22 May 2017

Revised Date: 12 July 2017

Accepted Date: 19 July 2017

Please cite this article as: Eisinger RS, Hess CW, Martinez-Ramirez D, Almeida L, Foote KD, Okun MS, Gunduz A, Motor subtype changes in early Parkinson's disease, *Parkinsonism and Related Disorders* (2017), doi: 10.1016/j.parkreldis.2017.07.018.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Title: Motor subtype changes in early Parkinson's disease

Authors: Robert S. Eisinger^a, B.S., Christopher W. Hess^b, M.D., Daniel Martinez-Ramirez^c, M.D., Leonardo Almeida^d, M.D., Kelly D. Foote^e, M.D., Michael S. Okun^f, M.D., Aysegul Gunduz^g, PhD.

^a Department of Neuroscience, Center for Movement Disorders and Neurorestoration, 3450 Hull Road, University of Florida, Gainesville, FL, 32607, eisinger@ufl.edu

^b Department of Neurology, Center for Movement Disorders and Neurorestoration, 3450 Hull Road, University of Florida, Gainesville, FL, 32607, christopher.hess@neurology.ufl.edu

^c Department of Neurology, Center for Movement Disorders and Neurorestoration, University of Florida, Gainesville, FL, daniel.martinez-ramirez@neurology.ufl.edu

^d Department of Neurology, Center for Movement Disorders and Neurorestoration, University of Florida, Gainesville, FL, leonardo.britodalmeida@neurology.ufl.edu

^e Department of Neurosurgery, Center for Movement Disorders and Neurorestoration, McKnight Brain Institute, 3rd Floor, University of Florida, Gainesville, FL, 32611, foote@neurosurgery.ufl.edu

^f Department of Neurology, Center for Movement Disorders and Neurorestoration, University of Florida, Gainesville, FL, okun@neurology.ufl.edu

^g J. Crayton Pruitt Family Department of Biomedical Engineering, Center for Movement Disorders and Neurorestoration, University of Florida, Gainesville, FL, agunduz@bme.ufl.edu

Download English Version:

<https://daneshyari.com/en/article/8285755>

Download Persian Version:

<https://daneshyari.com/article/8285755>

[Daneshyari.com](https://daneshyari.com)