Accepted Manuscript

The effects of striatal silent lacunar infarction on the substantia nigra and movement disorders in Parkinson's disease: A follow-up study

Guohua Zhang, Chengguo Zhang, Yuhu Zhang, Yukai Wang, Kun Nie, Bin Zhang, Haiqun Xie, Jiancong Lu, Lijuan Wang

PII: S1353-8020(17)30227-4

DOI: 10.1016/j.parkreldis.2017.06.020

Reference: PRD 3339

To appear in: Parkinsonism and Related Disorders

Received Date: 1 January 2017

Revised Date: 14 April 2017

Accepted Date: 26 June 2017

Please cite this article as: Zhang G, Zhang C, Zhang Y, Wang Y, Nie K, Zhang B, Xie H, Lu J, Wang L, The effects of striatal silent lacunar infarction on the substantia nigra and movement disorders in Parkinson's disease: A follow-up study, *Parkinsonism and Related Disorders* (2017), doi: 10.1016/j.parkreldis.2017.06.020.

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.



The Effects of Striatal Silent Lacunar Infarction on the Substantia Nigra and Movement Disorders in Parkinson's Disease: A Follow-Up Study

Guohua Zhang, MD^{1†}, Chengguo Zhang, MD^{1†}, Yuhu Zhang, MD, PhD², Yukai Wang, MD, PhD¹, Kun Nie, MD, PhD², Bin Zhang, MD, PhD², Haiqun Xie, MD¹, Jiancong Lu, MD¹, Lijuan Wang, MD, PhD²*

¹ Dapartment of Neurology, The First People's Hospital of Foshan, Foshan, 528000, Guangdong, People's Republic of China

² Department of Neurology, Guangdong Neuroscience Institute, Guangdong General Hospital, Guangdong Academy of Medical Sciences, Guangzhou, 510080, Guangdong, People's Republic of China

*Correspondence to: Dr Li-juan Wang, Department of Neurology, Guangdong Neuroscience Institute, Guangdong General Hospital, Guangdong Academy of Medical Sciences, Guangzhou, 510080, Guangdong, People's Republic of China. Email: wljgd68@163.com Tel./fax: +86-020-83827812-10402 †Guohua Zhang and Chengguo Zhang contributed equally to this work. Download English Version:

https://daneshyari.com/en/article/8285737

Download Persian Version:

https://daneshyari.com/article/8285737

Daneshyari.com