Accepted Manuscript

Title: Associations of olfactory bulb and depth of olfactory sulcus with basal ganglia and hippocampus in patients with parkinson's disease

Author: Nermin Tanik Halil Ibrahim Serin Asuman Celikbilek Levent Ertugrul Inan Fatma Gundogdu

PII: \$0304-3940(16)30196-3

DOI: http://dx.doi.org/doi:10.1016/j.neulet.2016.03.050

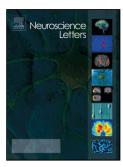
Reference: NSL 31943

To appear in: Neuroscience Letters

Received date: 11-11-2015 Accepted date: 26-3-2016

Please cite this article as: Nermin Tanik, Halil Ibrahim Serin, Asuman Celikbilek, Levent Ertugrul Inan, Fatma Gundogdu, Associations of olfactory bulb and depth of olfactory sulcus with basal ganglia and hippocampus in patients with parkinson's disease, Neuroscience Letters http://dx.doi.org/10.1016/j.neulet.2016.03.050

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.



ACCEPTED MANUSCRIPT

Associations of olfactory bulb and depth of olfactory sulcus with basal ganglia and hippocampus in patients with parkinson's disease

Nermin TANIK¹*, Halil Ibrahim SERIN², Asuman CELİKBİLEK¹, Levent Ertugrul INAN³, Fatma GUNDOGDU²

¹Assist. Prof. MD, Bozok University Medical School, Department of Neurology

²Assist. Prof. MD, Bozok University Medical School, Department of Radiology

³Prof. MD, Bozok University Medical School, Department of Neurology

*Corresponding Author

Nermin TANIK

Department of Neurology, Bozok University Medical School, 66200, Yozgat, TURKEY

Telephone: +90 505 950 48 44

Fax: +90 354 217 71 50

E-mail:drnermin27@hotmail.com

Highlights

- The olfactory bulb (OB) and olfactory sulcus depth (OSD) were significantly atrophic in patients with PD
- We found significant correlations between the volume of the right OB and the left putamen, and between the depth of the right OS and the right hippocampal volume.
- Our study is the first to demonstrate associations of olfactory structures with the putamen and hippocampus using MRI volumetric measurements

Download English Version:

https://daneshyari.com/en/article/6279599

Download Persian Version:

https://daneshyari.com/article/6279599

<u>Daneshyari.com</u>