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



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

Nermin TANIK^{1*}, 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

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