

4th International Conference on

Neurodegenerative Disorders and Stroke

July 05-06, 2017 Frankfurt, Germany

Non-motor symptoms in patients with parkinson disease experienced deep brain stimulation

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Purpose: This study was planned to examine non-motor symptoms in patients with Parkinson disease (PD) experienced deep brain stimulation (DBS).

Materials and Methods: 9 patients with PD experienced DBS, were consulted to physical therapy and rehabilitation services at Pamukkale University Hospitals, were included in this study. Presence of back pain, orthostatic hypotension, constipation and insomnia were questioned after the patients' personal information was recorded.

Results: 4 (44.4%) of all volunteers evaluated were female and 5 (55.6%) were male. The mean age of the patients was 65.22 ± 7.9 years. It was determined that the right extremities of all the subjects were dominant. 77.8% of patients had back pain; 33.3% had orthostatic hypotension; 100% had constipation and 55.6% had insomnia problems.

Discussion: Our study shows that non-motor symptoms including constipation and back pain seem in patients with PD experienced DBS, at a non-ignorable rate. Because most clinical studies focus on motor symptoms, evidence-based information are insufficient in patients with PD experienced DBS. Since clinicians ignore non-motor symptoms in patients with PD, we think that obtained data in our study are important for giving clinicians an idea. In this regard, in order to achieve generalizable results, studies are needed to be carried out with larger samples.

Biography

Tıkac G has completed his primary and high schools educations in Denizli, Acıpayam. In 2014, she graduated from Dokuz Eylül University, School of Physical Therapy and Rehabilitation with a title of physiotherapist. In 2016, she started to work as research assistant at Pamukkale University, Institute of Health Sciences, School of Physical Therapy and Rehabilitation. She has published no paper in reputed journals until now. She is currently doing a master's degree Physical Therapy and Rehabilitation Department of Pamukkale University, Kinikli, Denizli/Turkey.

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