

## Evaluation of quality of life in Parkinson's disease patients treated with deep brain stimulation

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**Aim:** The aim of this study was to evaluate the health-related quality of life measured by pdq-39 in 115 patients treated with deep brain stimulation (DBS) of the subthalamic nucleus (STN) or globus pallidus pars interna (GPi) in advanced Parkinson's disease (PD).

**Methods:** 115 patients, 49 men and 65 women, were treated with STN DBS for PD between 2011–2014. All of them were classified for the surgery according to CAPSIT-PD. Preoperatively and from 6 months to 1 year after the surgery the patients completed the PDQ39 questionnaire.

**Results:** 88% (101) of the patients filled out the questionnaire. 12 of them were unable to fill in the questionnaire themselves preoperatively. The mean preoperative PDQ39 index score was 42.11 ( $\pm$  17.22) and postoperative was 34.11 ( $\pm$  10.19).

**Conclusions:** The study showed that STN DBS in PD patients results in a desirable mean PDQ39 index score and satisfying QoL.

**Key words:** quality of life, Parkinson's disease, deep brain stimulation