Pain is a common non-motor symptom in Parkinson’s disease (PD). Currently, it is unknown how pain evolves throughout the course of the disease. We used the validated King’s PD pain scale (KPPS) (Chaudhuri et al. 2015) to analyse the burden of 7 different domains of pain in PD from early to advanced stages.

In this ongoing study, data was collected from 337 patients in total. 212 patients had a disease duration (DD) of 0-5 years (age (mean ± SD), 65.0 ± 11.0 years, 73 patients had a DD of 6-10 years (age (mean ± SD), 65.1 ± 9.8 years, 47 had a DD between 11-19 years (age (mean ± SD), 68.4 ± 8.6 year and 5 patients with ≥ 20 years (age (mean ± SD), 63.8 ± 6.4 years. In all domains, except musculoskeletal pain and oro-facial pain, the total burden of pain increases with the DD (figure 1).

To explore pain in different domains in Parkinson’s disease throughout the disease duration.

This project is a cross-sectional, observational study addressing otherwise unexplained pain in PD. Patients completed standardized motor and non-motor assessments and the KPPS, which assesses the burden (severity multiplied by frequency) of 7 different domains of pain.

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Our results suggest that except musculoskeletal and oro-facial pain, the total burden of pain in all domains worsens with increasing disease duration.

pain burden is reported to be worst in advanced disease stages.