

## Supplementary Material 2. Extraction form.

Listed items:

- Title
- Author
- Year of publication
- Institute
- Country
- Number of patients
- Disease duration
- Type of cohort
- Inclusion and exclusion criteria (cognitive impairment and depression)
- Assessment of SCC (i.e., global measures, specific examples, or mixed)
- General characteristics
  - N of patients
  - Diagnostic criteria PD
  - Age and SD
  - Time since diagnosis and SD (years)
- % Male
- Mean disease severity and SD (Hoehn & Yahr and UPDRS-III)
- SCC prevalence
- Additional information on the association between SCC and age
- Additional information on the association between SCC and educational attainment
- Additional information on the association between SCC and sex
- Additional information on the association between SCC and age at onset
- Additional information on the association between SCC and disease duration
- Additional information on the association between SCC and UPDRS-II
- Additional information on the association between SCC and HY
- Additional information on the association between SCC and LEDD
- Additional information on the association between SCC and depression scores
- Additional information on the association between SCC and anxiety scores
- Additional information on the risk of dementia and mild cognitive impairment in PD patients with SCC