Diagnostic value of micrographia in Parkinson’s disease: A study with $[^{123}]$FP-CIT SPECT

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Supplementary material
- Supplementary Fig. 1
- Supplementary Fig. 2
- Supplementary Table 1

**Supplementary Fig. 1.** Correlations between micrographia measurements and specific binding ratios of DAT binding in PD patients with micrographia. A. There was no correlation between the mean posterior putamen SBR and the mean height of the measured letters in PD patients with consistent micrographia (n=13; Spearman r=0.084, p=0.79). B. There was no correlation between the mean posterior putamen SBR and the slope of the regression line in PD patients with progressive micrographia (n=13; Spearman r=-0.16, p=0.60).
Supplementary Fig. 2. Area of writing sample (mm²) and specific binding ratios of DAT binding in PD patients (n=146), ET patients (n=42) and healthy controls (HCs, n=38). Medians and IQR are marked with horizontal lines. **p<0.01 and ns=not significant.

Supplementary Table 1. Group differences in writing and drawing tests in patients with MMSE scores => 24 Values are median (IQR).

|                          | PD (n=134) | ET (n=41) | HC (n=36) | P-valuea |
|--------------------------|------------|-----------|-----------|----------|
| Consistent, mean height of letters, mm | 4.2 (1.8)b,c | 5.0 (1.8) | 5.0 (1.6) | <0.001   |
| Consistent, mean area of writing sample, mm² | 392 (302)b,c | 536 (402) | 560 (306) | <0.001   |
| Progressive, b-value | -0.14 (0.26)b | -0.06 (0.14) | -0.03 (0.32) | 0.014 |
| Drawing, cm²          | 23.1 (26.6) | 27.1 (21.0) | 26.8 (27.8) | 0.323    |

a = Kruskall-Wallis test
b = significant Bonferroni corrected p-value vs ET
c = significant Bonferroni corrected p-value vs HC