

Table 1: Hurst exponent comparison

|         | CTRL        |             | PMCI        |             | Mixed ANOVA |              |            |      |             |      |
|---------|-------------|-------------|-------------|-------------|-------------|--------------|------------|------|-------------|------|
|         | NREM        | REM         | NREM        | REM         | Group       |              | Stage      |      | Group×Stage |      |
|         |             |             |             |             | Df = 1, 16  |              | Df = 1, 16 |      | Df = 1, 16  |      |
|         | Mean (SD)   | Mean (SD)   | Mean (SD)   | Mean (SD)   | F           | p            | F          | p    | F           | p    |
| LOG     | 1.33 (0.12) | 1.38 (0.15) | 1.39 (0.06) | 1.54 (0.14) | 4.09        | 0.060        | 2.96       | 0.10 | 0.94        | 0.35 |
| ROG     | 1.34 (0.10) | 1.35 (0.15) | 1.35 (0.08) | 1.48 (0.13) | 1.71        | 0.210        | 1.93       | 0.18 | 1.49        | 0.24 |
| LOG-ROG | 1.25 (0.09) | 1.28 (0.14) | 1.35 (0.12) | 1.45 (0.19) | 4.24        | <b>0.056</b> | 1.06       | 0.32 | 0.34        | 0.57 |

CTRL, Control group; PMCI, Probable Mild Cognitive Impairment