Supplementary Material 8: Speech and language therapy dosage and goodness of fit to baseline/sex/age/time model by language domain

Table 1: SLT dosage and goodness of fit to baseline/sex/age/time model by language domain

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **RCT data only** |  |  |  |  |  | **All data** | |  | |  |  |
| **Effect** | **Numerator DF** | **Denominator DF** | **F Value** | **P value** |  | **Numerator DF** | | **Denominator DF** | | **F Value** | **P value** |
| **Overall language ability** |  |  |  |  |  |  | |  | |  |  |
| Baseline score | 1 | 456 | 80.20 | <.0001 |  | 1 | | 596 | | 140.58 | <.0001 |
| Sex | 1 | 456 | 2.39 | 0.12 |  | 1 | | 596 | | 2.68 | 0.10 |
| Age group | 3 | 456 | 1.32 | 0.27 |  | 3 | | 596 | | 1.65 | 0.18 |
| Time since stroke group | 3 | 456 | 2.62 | 0.05 |  | 3 | | 596 | | 4.82 | 0.0025 |
| Randomisation | - | - | - | - |  | 1 | | 596 | | 0.04 | 0.84 |
| Dosage group | 5 | 456 | 1.70 | 0.13 |  | 5 | | 596 | | 1.78 | 0.11 |
| **Auditory Comprehension** |  |  |  |  |  |  | |  | |  |  |
| Baseline score | 1 | 511 | 87.74 | <.0001 |  | 1 | | 609 | | 104.73 | <.0001 |
| Sex | 1 | 511 | 0.72 | 0.40 |  | 1 | | 609 | | 0.54 | 0.46 |
| Age group | 3 | 511 | 5.52 | 0.001 |  | 3 | | 609 | | 6.17 | 0.0004 |
| Time since stroke group | 3 | 511 | 1.47 | 0.22 |  | 3 | | 609 | | 1.55 | 0.20 |
| Randomisation | - | - | - | - |  | 1 | | 609 | | 1.83 | 0.18 |
| Dosage group | 5 | 511 | 1.38 | 0.23 |  | 1 | | 609 | | 1.41 | 0.22 |
| **Naming** |  |  |  |  |  |  | |  | |  |  |
| Baseline score | 1 | 360 | 6.31 | 0.01 |  | 1 | | 509 | | 5.83 | 0.016 |
| Sex | 1 | 360 | 0.07 | 0.79 |  | 1 | | 509 | | 0.08 | 0.78 |
| Age group | 3 | 360 | 2.51 | 0.06 |  | 3 | | 509 | | 2.58 | 0.05 |
| Time since stroke group | 3 | 360 | 1.31 | 0.27 |  | 3 | | 509 | | 3.20 | 0.02 |
| Randomisation | - | - | - | - |  | 1 | | 509 | | 0.11 | 0.74 |
| Dosage group | 5 | 360 | 2.36 | 0.04 |  | 5 | | 509 | | 2.18 | 0.05 |
| **Functional Communication (Observer rated with activity data)** | | | | | | | | | |  |  |
| Baseline score | 1 | 497 | 38.15 | <.0001 |  | | 1 | | 560 | 38.84 | <.0001 |
| Sex | 1 | 497 | 6.56 | 0.01 |  | | 1 | | 560 | 6.51 | 0.01 |
| Age group | 3 | 497 | 0.92 | 0.43 |  | | 3 | | 560 | 0.80 | 0.49 |
| Time since stroke group | 3 | 497 | 4.34 | 0.005 |  | | 3 | | 560 | 3.99 | 0.0079 |
| Randomisation | - | - | - | - |  | | 1 | | 560 | 0.04 | 0.84 |
| Dosage group | 5 | 497 | 2.76 | 0.018 |  | | 5 | | 560 | 2.97 | 0.01 |

Key DF = degrees of freedom; F value = F statistic. \* Insufficient data for other spoken language, reading comprehension or writing