Supplementary Material 11: Speech and language therapy Theoretical approach and goodness of fit to model by language domain

Table 1: SLT Theoretical approach and goodness of fit to 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 | 207 | 14.18 | 0.0002 |  | 1 | 258 | 16.52 | <.0001 |
| Sex | 1 | 207 | 0.45 | 0.50 |  | 1 | 258 | 1.05 | 0.306 |
| Age group | 3 | 207 | 2.39 | 0.07 |  | 3 | 258 | 2.51 | 0.059 |
| Time since stroke group | 2 | 207 | 0.11 | 0.90 |  | 3 | 258 | 0.03 | 0.99 |
| Randomisation | - | - | - | - |  | 1 | 258 | 0.46 | 0.50 |
| Theoretical Approach | 3 | 207 | 0.32 | 0.81 |  | 4 | 258 | 0.52 | 0.72 |
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| **Auditory Comprehension** | | | |  |  |  |  |  |  |
| Baseline score | 1 | 267 | 24.88 | <.0001 |  | 1 | 325 | 30.53 | <.0001 |
| Sex | 1 | 267 | 0.06 | 0.81 |  | 1 | 325 | 0.06 | 0.81 |
| Age group | 3 | 267 | 1.80 | 0.15 |  | 3 | 325 | 2.28 | 0.079 |
| Time since stroke group | 3 | 267 | 0.76 | 0.52 |  | 3 | 325 | 1.15 | 0.33 |
| Randomisation | - | - | - | - |  | 1 | 325 | 0.33 | 0.56 |
| Theoretical Approach | 6 | 267 | 1.23 | 0.29 |  | 7 | 325 | 1.24 | 0.28 |
|  |  |  |  |  |  |  |  |  |  |
| **Naming** |  |  |  |  |  |  |  |  |  |
| Baseline score | 1 | 160 | 14.84 | 0.0002 |  | 1 | 242 | 5.78 | 0.017 |
| Sex | 1 | 160 | 0.00 | 0.95 |  | 1 | 242 | 1.75 | 0.19 |
| Age group | 3 | 160 | 1.60 | 0.19 |  | 3 | 242 | 1.21 | 0.31 |
| Time since stroke group | 3 | 160 | 0.20 | 0.90 |  | 3 | 242 | 0.27 | 0.85 |
| Randomisation | - | - | - | - |  | 1 | 242 | 0.21 | 0.64 |
| Theoretical Approach | 6 | 160 | 0.32 | 0.92 |  | 7 | 242 | 0.46 | 0.87 |
| **Functional Communication (Observer rated – with activity data)** | | | |  |  |  |  |  |  |
| Baseline score | 1 | 234 | 14.44 | 0.0002 |  | 1 | 292 | 13.64 | 0.0003 |
| Sex | 1 | 234 | 4.96 | 0.027 |  | 1 | 292 | 4.90 | 0.028 |
| Age group | 3 | 234 | 1.62 | 0.19 |  | 3 | 292 | 1.58 | 0.19 |
| Time since stroke group | 3 | 234 | 1.47 | 0.22 |  | 3 | 292 | 2.30 | 0.078 |
| Randomisation | - | - | - | - |  | 1 | 292 | 0.14 | 0.71 |
| Theoretical Approach | 6 | 234 | 0.54 | 0.78 |  | 6 | 292 | 1.50 | 0.18 |
|  |  |  |  |  |  |  |  |  |  |

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