Supplementary Material 12: Speech and language therapy multi-modal and verbal theoretical approaches and goodness of fit to model by language domain

Table 1: SLT multi-modal and verbal theoretical approaches 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** |
| **Auditory Comprehension** | |  | |  | |  | |  | |  | |  | |  |  | |  |
| Baseline score | | 1 | | 375 | | 59.49 | | <.0001 | |  | | 1 | | 470 | 76.26 | | <.0001 |
| Sex | | 1 | | 375 | | 0.19 | | 0.67 | |  | | 1 | | 470 | 0.11 | | 0.74 |
| Age group | | 3 | | 375 | | 5.25 | | 0.0015 | |  | | 3 | | 470 | 5.35 | | 0.0013 |
| Time since stroke group | | 3 | | 375 | | 0.58 | | 0.63 | |  | | 3 | | 470 | 0.60 | | 0.61 |
| Randomisation | | - | | - | | - | | - | |  | | 1 | | 470 | 0.92 | | 0.34 |
| Multi-modal verbal approach | | 1 | | 375 | | 0.04 | | 0.84 | |  | | 1 | | 470 | 0.19 | | 0.66 |
| Multi-modal total approach | | 1 | | 375 | | 0.01 | | 0.92 | |  | | 1 | | 470 | 0.37 | | 0.54 |
| Verbal SLT approach | | 1 | | 375 | | 0.14 | | 0.71 | |  | | 1 | | 470 | 0.02 | | 0.90 |
| **Naming** | |  | |  | |  | |  | |  | |  | |  |  | |  |
| Baseline score | | 1 | | 297 | | 3.22 | | 0.074 | |  | | 1 | | 381 | 2.35 | | 0.13 |
| Sex | | 1 | | 297 | | 0.06 | | 0.81 | |  | | 1 | | 381 | 0.25 | | 0.62 |
| Age group | | 3 | | 297 | | 1.55 | | 0.20 | |  | | 3 | | 381 | 1.16 | | 0.33 |
| Time since stroke group | | 3 | | 297 | | 1.37 | | 0.25 | |  | | 3 | | 381 | 1.55 | | 0.20 |
| Randomisation | | - | | - | | - | | - | |  | | 1 | | 381 | 0.02 | | 0.90 |
| Multi-modal verbal approach | | 1 | | 297 | | 0.02 | | 0.90 | |  | | 1 | | 381 | 0.01 | | 0.91 |
| Multi-modal total approach | | 1 | | 297 | | 0.02 | | 0.89 | |  | | 1 | | 381 | 0.03 | | 0.87 |
| Verbal SLT approach | | 1 | | 297 | | 0.00 | | 0.98 | |  | | 1 | | 381 | 0.00 | | 0.95 |
| **Functional Communication (observer rated – with activity data)** | | | | | | | | | |  | |  | |  |  | |  |
| Baseline score | | 1 | | 348 | | 23.41 | | <.0001 | |  | | 1 | | 406 | 23.84 | | <.0001 |
| Sex | | 1 | | 348 | | 3.96 | | 0.047 | |  | | 1 | | 406 | 4.10 | | 0.044 |
| Age group | | 3 | | 348 | | 1.22 | | 0.30 | |  | | 3 | | 406 | 1.02 | | 0.39 |
| Time since stroke group | | 3 | | 348 | | 6.06 | | 0.0005 | |  | | 3 | | 406 | 4.49 | | 0.0041 |
| Randomisation | | - | | - | | - | | - | |  | | 1 | | 406 | 0.08 | | 0.78 |
| Multi-modal verbal approach | | 1 | | 348 | | 5.48 | | 0.020 | |  | | 1 | | 406 | 4.26 | | 0.040 |
| Multi-modal total approach | | 1 | | 348 | | 5.73 | | 0.017 | |  | | 1 | | 406 | 4.20 | | 0.041 |
| Verbal SLT approach | | 1 | | 348 | | 6.21 | | 0.013 | |  | | 1 | | 406 | 4.71 | | 0.031 |

\*Insufficient data on overall language ability, other spoken language, reading comprehension or writing.