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.