**Supplemental Table.** Exploratory Correlation Analyses – Brain Activity Quotient vs. Fully Corrected T-Scores

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| --- | --- | --- |
| **Test** | **Training Progress Score****(Spearman’s ρ)** | ***P* Value** |
| **FICA Scores** |
| Baseline (N=21) | 0.279 | 0.220 |
| Preoperative Morning (N=21) | 0.528 | 0.014 |
| Postoperative Day 3 (N=14) | 0.690 | 0.006 |
| **LSWM Scores** |
| Baseline (N=21) | 0.487 | 0.025 |
| Preoperative Morning (N=21) | 0.580 | 0.006 |
| Postoperative Day 3 (N=14) | 0.447 | 0.109 |
| **PCPS Scores** |
| Baseline (N=21) | 0.718 | <0.001\* |
| Preoperative Morning (N=21) | 0.757 | <0.001\* |
| Postoperative Day 3 (N=14) | 0.726 | 0.003\* |

\*Significant after Bonferonni-correction (0.05/9 correlations=0.0056). FICA = Flanker Inhibitory Control and Attention Test; LSWM = List Sorting Working Memory Test; PCPS = Pattern Comparison Processing Speed Test