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| Supplemental Table 1: Neuropsychological Outcomes Based on Tumor Location and Tumor WHO Grade  |
|  | Tentorial Location |  | WHO Grade |
| Domain/measure  | F-statistic (p-value) | *df* | η2 |  | F-statistic (p-value) | *df* | η2 |
| Intellectual Functioning |  |  |  |  |  |  |  |
|  IF Composite (Weschler and DAS-II)a | .186 (.830) | 156 | .002 |  | 1.001 (.409) | 156 | .026 |
| Processing Speed |  |  |  |  |  |  |  |
|  PSI (Weschler)a | .373 (.689) | 91 | .008 |  | .510 (.231) | 91 | .017 |
| Attention |  |  |  |  |  |  |  |
|  DSF (Weschler and DAS-II)b | 2.328 (.104) | 87 | .052 |  | 1.047 (.376) | 87 | .036 |
| Working Memory |  |  |  |  |  |  |  |
|  DSB (Weschler and DAS-II)b | .858 (.428) | 87 | .020 |  | .418 (.740) | 87 | .015 |
| Verbal Reasoning  |  |  |  |  |  |  |  |
|  VR Composite (Weschler and DAS-II)b | 1.149 (.322) | 92 | .003 |  | .125 (.945) | 92 | .004 |
| Perceptual Reasoning |  |  |  |  |  |  |  |
|  PR Composite (Weschler and DAS-II)b | .515 (.600) | 66 | .016 |  | 1.472 | 66 | .066 |

*Note.* IF = Intellectual Functioning,PSI = Processing Speed Index, DSF = Digit Span Forward, DSB = Digit Span Backward, VR = Verbal Reasoning; PR = Perceptual Reasoning

aStandard Score mean = 100, standard deviation = 15

bScaled score mean = 10, standard deviation = 3