Supplementary Table 1. Demographic information for the four frontal and non-frontal aetiology subgroups: Means and standard deviations (SD)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Stroke  (*N* = 83) | High-grade glioma  (*N* = 46) | Low-grade glioma  (*N* = 59) | Meningioma  (*N* = 69) | *p* value |
| Gender (M/F)  Frontal  Non-frontal | 27/26  19/11 | 21/6  14/5 | 23/14  13/9 | 22/27  12/8 | < .05  = .77 |
| Age in years  Frontal  Non-frontal | 51.77a  (15.19)  53.10  (13.11) | 43.56b  (12.10)  49.89  (11.40) | 38.00b  (9.41)  44.95  (16.17) | 58.43  (11.04)  49.75  (13.23) | < .001  = .23 |
| Education in years  Frontal  Non-frontal | 13.15  (2.67)  13.70  (3.50) | 14.81  (2.57)  14.16  (3.00) | 14.11  (3.04)  13.68  (2.91) | 13.39  (3.11)  14.32  (3.13) | = .07  = .89 |
| NART IQ  Frontal  Non-frontal | 108.79  (10.29)  111.20  (10.68) | 109.11  (10.10)  113.00  (9.65) | 112.70  (9.71)  106.00  (9.46) | 109.18  (10.80)  109.05  (10.71) | = .29  = .14 |
| Time since damage (months)  Frontal  Non-frontal | 22.06  (49.28)  25.13  (78.46) | 6.48  (9.57)  7.30  (10.46) | 10.82  (21.02)  21.43  (66.99) | 47.39  (65.95)  21.98  (28.96) | < .01  = .75 |

Note: a < meningioma; b < stroke and meningioma.

Supplementary Table 2. Neuropsychological test performance for the four frontal and non-frontal aetiology subgroups: Means and standard deviations (SD)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Stroke | High-grade glioma | Low-grade glioma | Meningioma | *p* value |
| Fluency (total no. words)  Frontala      Non-frontal | 12.82  (6.03)  *N*=38  13.95  (4.99)  *N*=21 | 12.74  (6.47)  *N*=27  14.73  (6.45)  *N*=11 | 16.67  (5.60)  *N*=36  14.31  (6.32)  *N*=13 | 12.35  (6.17)  *N*=46  14.27  (1.95)  *N*=11 | = .11  = .95 |
| WAIS-III Full-Scale IQ  Frontala    Non-frontal | 101.82  (15.84)  *N*=33  102.17  (14.80)  *N*=24 | 101.36  (15.27)  *N*=11  98.19  (15.26)  *N*=16 | 112.80  (18.70)  *N*=20  102.59  (11.34)  *N*=17 | 110.06  (14.14)  *N*=18  96.21  (13.07)  *N*=14 | = .08  = .48 |
| Trail-A (in seconds)  Frontala      Non-frontal | 37.27b  (8.93)  *N*=23  25.50  (10.61)  *N*=2 | 31.74c  (6.67)  *N*=16  36.40  (11.01)  *N*=5 | 26.32c  (9.29)  *N*=22  29.93  (10.95)  *N*=8 | 45.51  (10.61)  *N*=16  37.53  (8.85)  *N*=5 | < .001  = .39 |
| GNT (out of 30)  Frontala      Non-frontal | 19.68  (4.60)  *N*=47  22.63  (3.86)  *N*=19 | 21.33  (4.09)  *N*=27  21.77  (4.13)  *N*=13 | 22.06  (3.30)  *N*=35  22.29  (3.91)  *N*=14 | 21.21  (4.37)  *N*=47  22.55  (4.63)  *N*=11 | = .12  = .94 |

Note: a controlling for age and time since lesion onset; b > low grade glioma; c < meningioma; WAIS-III = Wechsler Adult Intelligence Scale-III; Trail-A = Trail Making Test Part-A; GNT = Graded Naming Test.