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 | 27/2619/11 | 21/614/5 | 23/1413/9 | 22/2712/8 | < .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*=3813.95(4.99)*N*=21 | 12.74(6.47)*N*=2714.73(6.45)*N*=11 | 16.67(5.60)*N*=3614.31(6.32)*N*=13 | 12.35(6.17)*N*=4614.27(1.95)*N*=11 | = .11= .95 |
| WAIS-III Full-Scale IQ Frontala  Non-frontal | 101.82(15.84)*N*=33102.17(14.80)*N*=24 | 101.36(15.27)*N*=1198.19(15.26)*N*=16 | 112.80(18.70)*N*=20102.59(11.34)*N*=17 | 110.06(14.14)*N*=1896.21(13.07)*N*=14 | = .08= .48 |
| Trail-A (in seconds) Frontala   Non-frontal | 37.27b(8.93)*N*=2325.50(10.61)*N*=2 | 31.74c(6.67)*N*=1636.40(11.01)*N*=5 | 26.32c(9.29)*N*=2229.93(10.95)*N*=8 | 45.51(10.61)*N*=1637.53(8.85)*N*=5 | < .001= .39 |
| GNT (out of 30) Frontala   Non-frontal | 19.68(4.60)*N*=4722.63(3.86)*N*=19 | 21.33(4.09)*N*=2721.77(4.13)*N*=13 | 22.06(3.30)*N*=3522.29(3.91)*N*=14 | 21.21(4.37)*N*=4722.55(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.