

Supplementary Table 1. Tumour location.

patients (n=217)		
Location, n (%)		
	frontal	141 (65)
	parietal	24 (11)
	temporal	33 (15)
	occipital	3 (1)
	insular	15 (7)
	basal ganglia	1 (1)
non-eloquent site, n (%)		96 (44)
eloquent site, n (%)		
	motor	68 (31)
	speech	31 (14)
	basal ganglia	7 (3)
	visual cortex	8 (4)
	other	7 (3)
hemisphere, n (%)		
	left	98 (45)
	right	117 (54)
	both	2 (1)

Supplementary Table 2. Functional outcome

A

ECOG	Preop	Postop	6 Mo	12 Mo
0	79.7%	55.8%	63%	74%
1	17.9%	33.2%	33%	22.2%
2	1.4%	9.5%	4%	3.8%
3	0.5%	1%	0%	0%
4	0.5%	0.5%	0%	0%
Overall	212	208	121	81

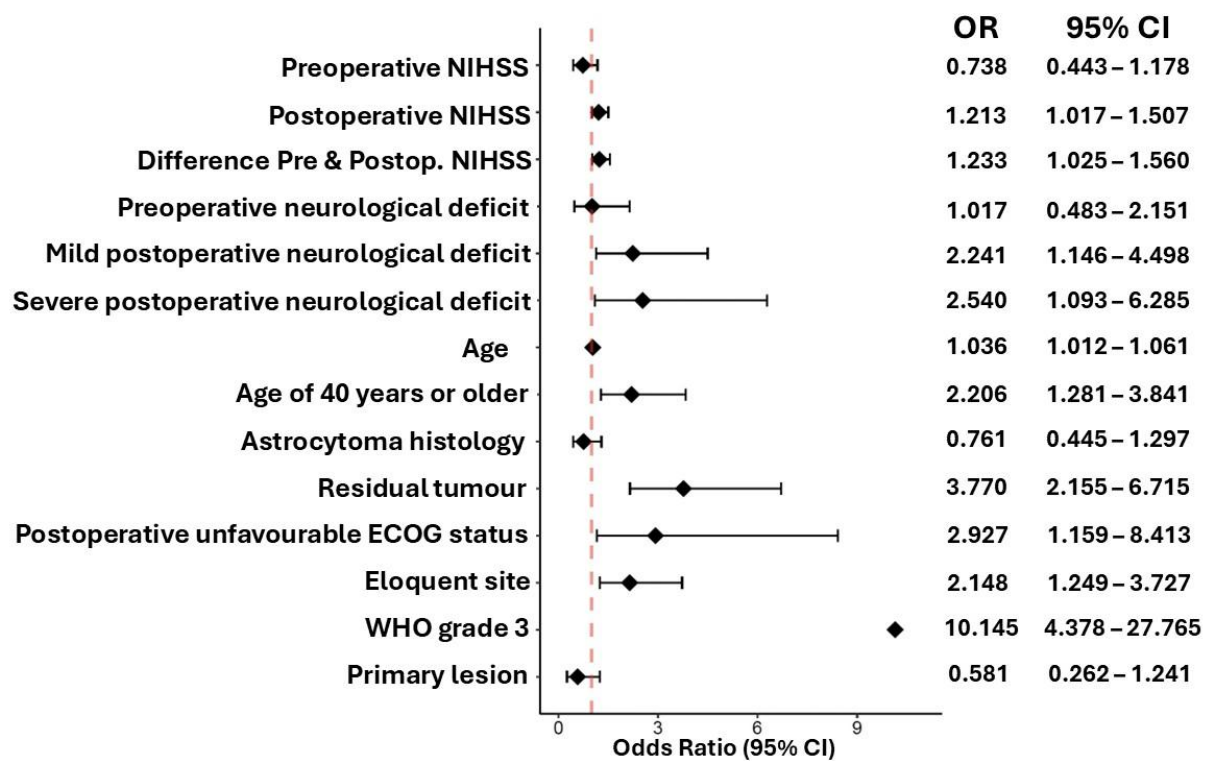
ECOG: Eastern Cooperative Oncology Group performance status

B

Neurological deficit	Postop	6 Mo	12 Mo
none	65%	87%	93.2%
mild*	22.6%	10%	5.4%
severe**	12.4%	3%	1.4%
overall	217	119	74

**Slight new neurological deficit: deterioration by one degree of strength or accentuation of aphasia (max. 1 point National Institutes of Health Stroke Scale)*

***Severe new neurological deficit: for significant new deficits > 1 degree of strength or significant aphasia (more than 1 point on National Institutes of Health Stroke Scale)*



Supplementary Figure 1. Predictive factors for adjuvant radiotherapy after surgical therapy in univariate logistic regression analysis.

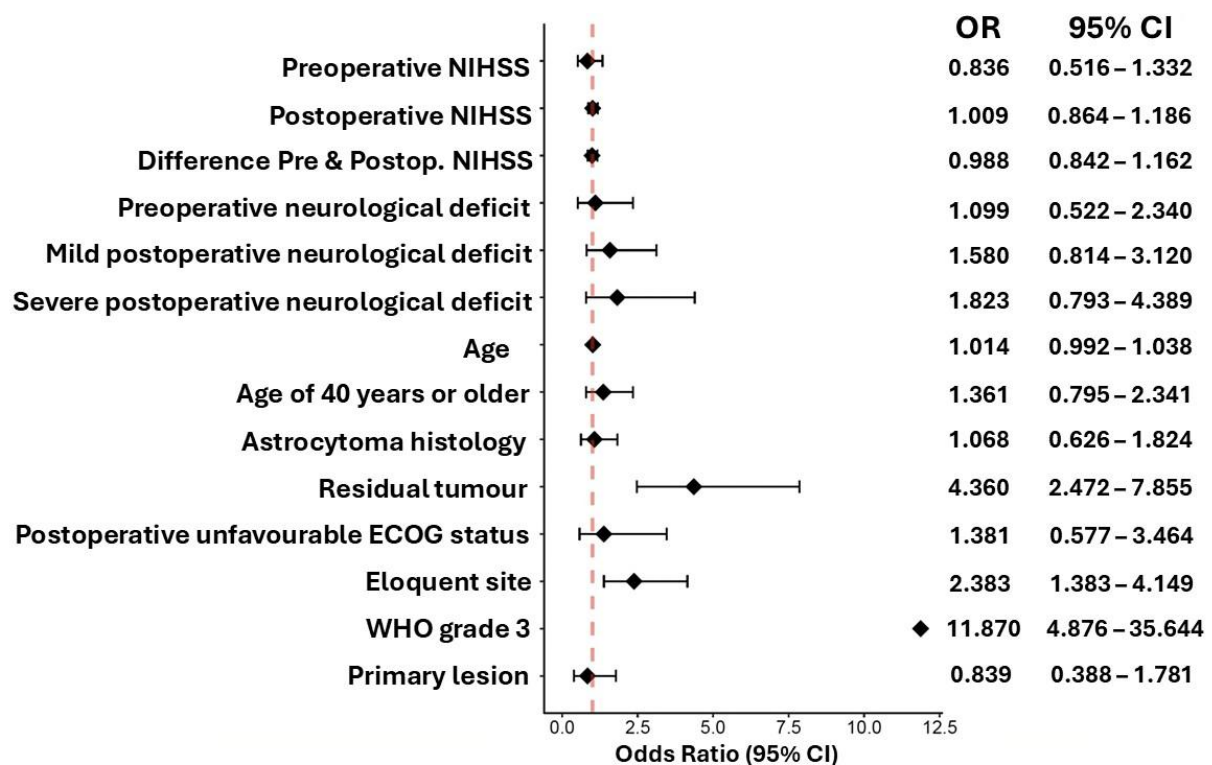
NIHSS: National Institutes of Health Stroke Scale

ECOG: Eastern Cooperative Oncology Group performance status

favourable: ECOG 0-1

unfavourable: ECOG 2-4

CI: Confidence Interval



Supplementary Figure 2. Predictive factors for adjuvant chemotherapy after surgical therapy in univariate logistic regression analysis.

NIHSS: National Institutes of Health Stroke Scale

ECOG: Eastern Cooperative Oncology Group performance status

favourable: ECOG 0-1

unfavourable: ECOG 2-4

CI: Confidence Interval