

Supplementary Table 2. Overall survival: non-significant parameters reported in univariate analysis.

Parameter	Hazard-ratio (95% CI)	7-years OS rate in months	P-value
Gender			0.17
Male	1	55.1	
Female	0.39 (0.10-1.59)	76.8	
Age at diagnosis			0.60
< 40 years	1	65.9	
≥ 40 years	0.66 (0.14-3.17)	66.7	
Incidental diagnosis			0.10
No	1	71.8	
Yes	3.29 (0.72-14.97)	36.0	
Side of the tumor			0.90
Right hemisphere	1	64.9	
Left hemisphere	1.09 (0.29-4.14)	75.2	
Location of the tumor			0.85
Frontal	1	70.5	
Temporal +/- insular	0.79 (0.15-4.35)	76.2	
Other	1.31 (0.29-5.86)	55.6	
Contrast enhancement at diagnosis			0.73
No	1	63.1	
Yes	1.44 (0.18-11.56)	75.0	
Age at surgery			0.65
≥ 36.5 years	1	59.3	
< 36.5 years	1.35 (0.36-5.04)	69.6	
Previous surgery/ies			0.61

None	1	63.3	
≥ 1	0.59 (0.07-4.72)	83.3	
Surgery in awake condition			0.78
No	1	50.0	
Yes	0.75 (0.09-6.09)	69.7	
Largest tumor diameter at diagnosis			0.96
< 6 cm	1	56.9	
≥ 6 cm	0.97 (0.26-3.64)	72.7	
Contrast enhancement on preoperative MRI			0.87
No	1	65.3	
Yes	0.88 (0.18-4.24)	68.2	
Median preoperative FLAIR tumor volume			0.94
< 51 cm ³	1	61.2	
≥ 51 cm ³	0.95 (0.25-3.56)	69.8	
Extent of resection			0.76
Total or supratotal	1	62.5	
Subtotal	0.78 (0.16-3.87)	69.7	
Median postoperative FLAIR tumor volume			0.87
< 1.8 cm ³	1	54.4	
≥ 1.8 cm ³	0.89 (0.23-3.39)	71.6	
IDH status			0.07
IDH mutant	1	73.1	
IDH wild type	3.33 (0.82-13.60)	30.0	
Size of the focus (n=43)			0.81
Microfoci (< 1 cm)	1	72.6	
Macrofoci (≥ 1 cm)	1.17 (0.31-4.38)	59.7	
Number of foci (n=43)			0.33

1	1	73.5	
>1	1.98 (0.49-8.00)	63.4	
Ki67 proliferation index (foci)			0.64
≤ 5%	1	50.0	
> 5% and ≤ 12%	0.46 (0.08-2.75)	77.7	
> 12%	0.78 (0.14-4.33)	62.8	

FLAIR: Fluid attenuation inversion recovery; IDH: isocitrate dehydrogenase; NR: not reached