

Table S1. Patients Demographic and Clinical Characteristics

Characteristics	Primary LGG (n=41)		Primary GBM (n=46)		Primary-Recurrent GBM (n=7)	
	No	%	No	%	No	%
Age at the first surgery						
Mean	44.9		45.6		50.1	
Standard deviation	14.1		14.4		9.7	
Range	17-72		19-80		35-66	
Gender						
Male	15	36.6	28	60.9	4	57.1
Female	26	63.4	18	39.1	3	42.9
Race/ethnicity						
Han	39	95.1	44	95.7	7	100
Others	2	4.9	2	4.3	0	0
Tumor type						
Astrocytoma	34	82.9	0	0	0	0
Oligoastrocytomas	7	17.1	0	0	0	0
Glioblastoma	0	0	46	100	7	100
Tumor location						
Frontal	12	29.3	13	28.3	3	42.9
Temporal	16	39.0	12	26.1	2	28.6
Parietal	3	7.3	2	4.3	1	14.3
Occipital	2	4.9	1	2.2	0	0
Mixed	7	17.1	17	37.0	1	14.3
Other	1	2.4	1	2.2	0	0
Tumor lateralization						
Left	18	43.9		50	3	42.9
Right	22	53.7		47.8	4	57.1
Middle	1	2.4		2.2	0	0
Main symptom of the first diagnosis						
High cranial pressure	16	39.0		56.5	6	85.7
Tumor bleeding	2	4.9		6.5	0	0
Dysuria	9	22.0		19.6	0	0
Epilepsy	3	7.3		10.9	0	0
Others	4	9.8		4.3	0	0
Asymptomatic	7	17.1		2.2	1	14.3
Neurosurgical intervention						
Resection	37	90.2		95.7	7	100
Biopsy	4	9.8		4.3	0	0
Lost to follow up	12	29.3		34.8	0	0