OS: N = 515 with 109 events

	HR (95% CI)	P-value
Biopsy only	1.00 (NA–NA)	
Gross/Near total resection	0.24 (0.1–0.4)	P < 0.01
Partial resection	0.45 (0.3–0.8)	P < 0.01
LGG	1.00 (NA–NA)	
non–LGG	17.57 (4.6–66.9)	P < 0.01
Cluster 1	1.00 (NA–NA)	
Cluster 2	2.04 (0.4–11.7)	P = 0.42
Cluster 3	1.56 (0.2–14.5)	P = 0.69
Cluster 4	6.01 (0.0–2579.7)	P = 0.56
Cluster 5	1.16 (0.2–7.3)	P = 0.87
Cluster 6	13.41 (3.0–60.9)	P < 0.01
Cluster 7	0.81 (0.1–7.5)	P = 0.85
Cluster 8	0.12 (0.0–3.2)	P = 0.21
Cluster 9	0.17 (0.0–3.0)	P = 0.23
Cluster 10	1.03 (0.1–7.1)	P = 0.97
Cluster 11	2.63 (0.4–17.2)	P = 0.31
Cluster 11:SBI	0.39 (0.0–11.7)	P = 0.59
Cluster 10:SBI	1.10 (0.0–37.9)	P = 0.96
Cluster 9:SBI	1.40 (0.0–52.8)	P = 0.86
Cluster 8:SBI	5.32 (0.0–1322.7)	P = 0.55
Cluster 7:SBI	0.40 (0.0–52.6)	P = 0.71
Cluster 6:SBI	0.27 (0.0–4.0)	P = 0.34
Cluster 5:SBI	0.28 (0.0–9.0)	P = 0.47
Cluster 4:SBI	0.00 (0.0–10241167.1)	P = 0.44
Cluster 3:SBI	0.70 (0.0–73.7)	P = 0.88
Cluster 2:SBI	2.81 (0.1–153.6)	P = 0.61
age at diagnosis years	0.96 (0.9–1.0)	P = 0.02
SBI	1.07 (0.1–13.6)	P = 0.96

0.000000000000000010000010000.000000000000000

Hazard Ratio ± 95% CI