OS: N = 885 with 194 events

	HR (95% CI)	P-value
Biopsy only	1.00 (NA–NA)	
Gross/Near total resection	0.22 (0.15–0.33)	P < 0.01
Partial resection	0.45 (0.30–0.67)	P < 0.01
LGG	1.00 (NA–NA)	
non-LGG	33.95 (12.31–93.64)	P < 0.01
cluster1	1.00 (NA–NA)	
cluster2	0.15 (0.03–0.63)	P = 0.01
cluster3	0.18 (0.06–0.59)	P < 0.01
cluster4	1.66 (1.03–2.67)	P = 0.04
cluster5	0.69 (0.42–1.14)	P = 0.15
cluster6	1.91 (1.13–3.20)	P = 0.01
cluster7	1.25 (0.70–2.23)	P = 0.45
cluster8	0.46 (0.20–1.08)	P = 0.07
cluster9	1.02 (0.53–1.95)	P = 0.96
cluster10	0.90 (0.46–1.75)	P = 0.76
cluster11	0.43 (0.20–0.93)	P = 0.03
cluster12	0.97 (0.53–1.78)	P = 0.92

Hazard Ratio ± 95% CI