

Supplementary Table 3

Multivariable Cox regression for progression-free survival (A) and overall survival (B)

(A) Progression-free survival

	HR	P-value	95% CI
<u>Anesthesia (Reference = General)</u>			
Awake	1.09	0.394	(0.90-1.31)
Age (10 year) ^a	1.20	<0.001	(1.13-1.27)
<u>WHO grade (Reference = III)</u>			
IV	2.40	<0.001	(1.89-3.04)
<u>IDH (Reference = IDH-1)</u>			
IDH-WT	1.31	0.035	(1.02-1.68)
<u>Pre-operative KPS (Reference = <70%)</u>			
≥70%	0.99	0.900	(0.83-1.18)
Duration of anesthetics (30 min) ^b	0.97	0.013	(0.95-0.99)

(B) Overall survival

	HR	P-value	95% CI
<u>Anesthesia (Reference = General)</u>			
Awake	0.83	0.114	(0.66-1.05)
Age (10 year) ^a	1.32	<0.001	(1.23-1.41)
<u>WHO grade (Reference=III)</u>			
IV	2.86	<0.001	(2.21-3.86)
<u>IDH (Reference=IDH-1)</u>			
IDH-WT	1.67	<0.001	(1.22-2.27)
<u>MGMT (Reference = Positive)</u>			
Negative	1.66	0.002	(1.21-2.27)
<u>Pre-op KPS (Reference = <70%)</u>			
≥70%	0.79	0.016	(0.65-0.96)
<u>Tumour location (Reference = Infratentorial)</u>			
Multifocal	2.54	0.015	(1.20-5.38)
Supratentorial	2.20	0.031	(1.08-4.51)
<u>Extent of Resection (Reference = Gross total)</u>			
Subtotal	1.33	<0.001	(1.12-1.59)

<u>Treatment group (Reference=No RT)</u>			
Chemotherapy+RT followed by adjuvant chemotherapy	0.32	<0.001	(0.24-0.41)
RT alone followed by adjuvant chemotherapy	0.47	0.011	(0.26-0.84)
Chemotherapy+RT alone	0.55	<0.001	(0.41-0.76)
RT alone	0.50	<0.001	(0.35-0.71)
Duration of anesthetics (30 min) ^b	0.98	0.118	(0.95-1.01)

^aRisk associated with every 10-year increase in age

^bRisk associated with every 30-minute increase in duration of anesthetics

HR, hazard ratio; CI, confidence interval; WHO, World Health Organization; IDH, isocitrate dehydrogenase; WT, wild type; MGMT, O(6)-methylguanine DNA methyltransferase; KPS, Karnofsky Performance Status; RT, radiation therapy