

Additional file 2: Hazard ratios and 95% confidence intervals for overall survival

Features	Fully adjusted hazard ratio	Lower CI	Upper CI	P value
Female	0.89	0.72	1.11	0.31
Age	1.03	1.02	1.05	< 0.001
Stage 1 (reference)				
Stage 2	1.30	0.80	2.10	0.29
Stage 3	3.20	1.99	5.15	< 0.001
Stage 4	10.20	6.16	16.90	< 0.001
Grade 1 (reference)				
Grade 2	1.03	0.55	1.96	0.92
Grade 3	1.67	0.85	3.26	0.13
Chemotherapy	1.03	0.79	1.35	0.81
Immunotherapy	1.77	1.02	3.08	0.04
Radiotherapy	1.46	1.06	2.01	0.02
Tumour mutational burden	1.00	1.00	1.01	0.11
KRAS mutation	1.15	0.91	1.45	0.23
BRAF mutation	1.01	0.79	1.28	0.94
NRAS mutation	1.09	0.85	1.40	0.47