

Supplementary Table 3. Univariate and multivariate Cox regression analysis in cohort of patients with stage III NSCLC treated with CRT and durvalumab.

Progression-free survival	Univariate Hazard Ratio [95%CI]	P-value	Multivariate Hazard ratio [95%CI]	P-value
Aneuploidy (low vs high)	0.72 [0.49-1.05]	0.08	0.63 [0.41-0.95]	0.03
Age*	0.98 [0.96-1.01]	0.32	-	-
Sex (male vs female)	0.96 [0.67-1.37]	0.83	-	-
ECOG				
PS 0	-	-	-	-
PS 1	1.78 [0.66-0.88]	0.004	1.78 [1.17-2.72]	0.007
PS 2	1.87 [0.79-4.42]	0.15	1.68 [0.57-4.95]	0.35
Stage 8th AJCC				
IIIA	-	-	-	-
IIIB	1.58 [1.03-2.41]	0.03	1.56 [0.95-2.54]	0.07
IIIC	2.07 [1.24-3.46]	0.006	1.38 [1.36-4.23]	0.002
Histology (NSQ vs Squamous)	0.86 [0.57-1.31]	0.50	-	-
Smoking history (ever vs never)	0.93 [0.45-1.91]	0.84	-	-
TMB tertiles				
Lower	-	-	-	-
Middle	0.77 [0.50-1.18]	0.23	0.71 [0.44-1.15]	0.16
Upper	0.37 [0.24-0.59]	<0.0001	0.31 [0.18-0.52]	<0.0001
PD-L1 TPS (≥90 vs <90%)	0.36 [0.18-0.71]	0.003	0.48 [0.22-0.88]	0.03
Overall Survival	Univariate Hazard Ratio [95%CI]	P-value	Multivariate Hazard ratio [95%CI]	P-value
Aneuploidy (low vs high)	0.51 [0.28-0.91]	0.02	0.50 [0.27-0.92]	0.03
Age*	1.02 [0.98-1.06]	0.22	-	-
Sex (male vs female)	0.94 [0.656-1.57]	0.81	-	-
ECOG				
PS 0	-	-	-	-
PS 1	1.78 [0.77-2.34]	0.29	1.19 [0.64-2.25]	0.56
PS 2	2.63 [0.89-7.61]	0.08	2.12 [0.58-7.78]	0.25
Stage 8th AJCC				
IIIA	-	-	-	-
IIIB	1.29 [0.70-2.38]	0.41	1.76 [0.83-3.74]	0.13
IIIC	2.07 [1.02-4.20]	0.044	2.58 [1.15-5.78]	0.021
Histology (NSQ vs Squamous)	0.62 [0.35-1.10]	0.10	-	-
Smoking history (ever vs never)	0.98 [0.48-1.97]	0.99	-	-
TMB tertiles				
Lower	-	-	-	-
Middle	1.07 [0.57-2.02]	0.81	0.89 [0.40-1.94]	0.77
Upper	0.69 [0.36-1.30]	0.15	0.63 [0.30-1.31]	0.20
PD-L1 TPS (≥90 vs <90%)	0.39 [0.14-1.07]	0.07	0.36 [0.08-1.45]	0.12

*Age as continuous variable

PFS HR and P-value for aneuploidy after interaction term with PD-L1 and ECOG PS are 0.65 and 0.042, respectively.

OS HR and P-value for aneuploidy after interaction term with PD-L1 and ECOG PS are 0.49 and 0.04, respectively.