



Figure S1 Impact of prevascular lymph node station resection status on 5-year overall survival in new pN subgroups.

**Table S1** Multivariable analysis after Propensity Score Matching in new pN2 subgroups

Variable	N2a1		N2a2		N2b1		N2b2	
	HR (95% CI)	P value	HR (95% CI)	P value	HR (95% CI)	P value	HR (95% CI)	P value
<b>Surgery</b>								
Right lower lobectomy	Reference							
Right upper lobectomy	10.48 (1.81–60.66)	0.001	2.67 (0.46–15.43)	0.27	2.96 (0.19–4.63)	0.44	5.93 (0.08–4.14)	0.60
Pneumonectomy	10.0 (1.53–65.37)	0.02	1.17 (0.13–10.98)	0.89			5.41 (0.72–40.39)	0.01
<b>pT</b>								
1a	Reference							
1b	2.54 (0.22–29.51)	0.46	0.03 (0.002–0.53)	0.02			9.71 (0.07–12.63)	0.98
1c	3.13 (0.30–32.35)	0.34					9.49 (1.01–88.99)	0.049
2a	5.41 (0.45–64.58)	0.18	0.23 (0.04–1.46)	0.12	0.47 (0.01–2.15)	0.70	2.04 (0.55–7.57)	0.29
2b								
3					13.12 (0.34–5.09)	0.17		
4								
<b>3A station</b>								
3ALN–	Reference							
N3ALN	0.58 (0.17–2.0)	0.39	4.68 (1.24–17.75)	0.02	0.07 (0.003–1.49)	0.09	1.30 (0.31–5.50)	0.73
M3ALN	0.62 (0.15–2.55)	0.51	2.96 (0.54–16.23)	0.21	2.0 (0.22–1.87)	0.54	1.11 (0.34–3.64)	0.86
<b>Comorbidities (reference = absence of disease)</b>								
Myocardial infarction	3.81 (0.35–41.20)	0.27	13.12 (1.46–117.75)	0.02			8.81 (1.58–49.19)	0.01
Mediastinoscopy (reference = lack of mediastinoscopy)	1.63 (0.19–14.23)	0.66	0.44 (0.09–2.03)	0.29			1.95 (0.56–6.81)	0.30
<b>Stage (reference = Stage IA1)</b>								
IIIA	0.04 (0.003–0.46)	0.01	12.68 (1.25–128.55)	0.03	3.23 (0.17–6.00)	0.43	0.18 (0.03–1.05)	0.06

HR, hazard ratio; CI, confidence interval; 3ALN–, patients without prevascular node resection; M3ALN, patients with prevascular node resection with metastasis; N3ALN, patients with prevascular node resection without metastasis.