

Supplementary table 1. To investigate the risk factors for the pathological outcomes of prostate cancer by univariable logistic regression analyses

	Prostatectomy GS (≥8 vs ≤7)		Pathological stage (pT3-4 vs pT2)		Seminal vesicle invasion (Yes vs No)		LN involvement (Yes vs No)		Extracapsular extension (Yes vs No)		Surgical margin (Yes vs No)	
	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value
PSA (ng/ml)												
< 10	1	< 0.001	1	< 0.001	1	< 0.001	1	< 0.001	1	< 0.001	1	< 0.001
10≤PSA < 20	1.714(1.155-2.542)	0.007	2.398(1.654-3.477)	< 0.001	3.469(2.046-5.883)	< 0.001	1.265(0.572-2.798)	0.562	1.903(1.263-2.866)	0.002	5.730(2.862-11.474)	< 0.001
≥20	4.116(2.852-5.939)	< 0.001	5.476(3.833-7.824)	< 0.001	8.538(5.185-14.06)	< 0.001	5.74(2.975-11.074)	< 0.001	3.529(2.403-5.182)	< 0.001	9.456(4.827-18.527)	< 0.001
Biopsy GS												
≤6	1	< 0.001	1	< 0.001	1	< 0.001	1	0.090	1	< 0.001		< 0.001
7	2.534(1.520-4.224)	< 0.001	2.572(1.801-3.673)	< 0.001	2.445(1.565-3.822)	< 0.001	1.199(0.917-2.659)	0.141	3.289(2.178-4.966)	< 0.001	2.267(1.388-3.703)	0.001
≥8	25.2(15.597-40.716)	< 0.001	5.804(4.071-8.274)	< 0.001	5.334(3.480-8.176)	< 0.001	1.740(0.818-3.003)	0.070	4.478(2.977-6.735)	< 0.001	3.258(2.022-5.250)	< 0.001
Clinical stage												
≤cT2a	1	0.001		0.008		< 0.001		0.041		0.067		0.001
cT2b	1.141(0.815-1.597)	0.441	1.225(0.897-1.673)	0.202	1.642(1.140-2.365)	0.008	0.840(0.476-1.482)	0.548	1.118(0.791-1.581)	0.528	1.448(0.943-2.223)	0.091
≥cT2c	1.861(1.348-2.570)	< 0.001	1.629(1.196-2.220)	0.002	2.148(1.505-3.066)	< 0.001	1.655(1.020-2.686)	0.041	1.486(1.062-2.081)	0.021	2.125(1.418-3.185)	< 0.001

GS: Gleason score; LN: lymph node; PSA: prostate-specific antigen; OR: odd ratio; CI: confidence interval.