

APPENDIX

Variable	Category	Hazard ratio (HR)	95% confidence interval (CI)	P
Surgical margin	Negative (ref.)	–	–	–
	Positive	1.16	0.83–1.61	0.385
PSA category	<10 (ref.)	–	–	–
	≥ 10	1.59	1.17–2.15	0.003
Post-Gleason	1–3 (ref.)	–	–	–
	4–5	2.02	1.38–2.96	<0.001
Lymph nodes	Negative (ref.)	–	–	–
	Positive	2.19	1.32–3.64	0.003
	pNx	1.06	0.81–1.38	0.670
Pathologic stage	<T3 (ref.)	–	–	–
	pT3a	1.30	0.98–1.73	0.069
	pT3b–pT4	1.75	1.16–2.64	0.008
Age	<70 (ref.)	–	–	–
	≥70	1.68	1.23–2.29	0.001
Radiation	No (ref.)	–	–	–
	Yes	0.49	0.34–0.71	<0.001

Variable	Category	Positive margin: HR (95% CI)	p	Negative margin: HR (95% CI)	p
PSA category	<10 (ref.)	–	–	–	–
	≥10	0.99 (0.47–2.09)	0.987	1.75 (1.25–2.43)	0.001
Post-Gleason	1–3 (ref.)	–	–	–	–
	4–5	1.90 [†] (0.90–4.00)	0.093	2.04 (1.30–3.21)	0.002
Lymph nodes	Negative (ref.)	–	–	–	–
	Positive	3.62 (1.49–8.78)	0.005	1.56 (0.80–3.07)	0.193
	pNx	1.33 (0.60–2.96)	0.484	1.02 (0.77–1.35)	0.892
Pathologic stage	<T3 (ref.)	–	–	–	–
	pT3a	3.91 (1.63–9.42)	0.002	1.15 (0.83–1.58)	0.399
	pT3b–pT4	3.86 (1.45–10.24)	0.007	1.63 (1.00–2.66)	0.052
Age	<70 (ref.)	–	–	–	–
	≥70	1.36 (0.64–2.91)	0.421	1.82 (1.29–2.55)	0.001
Radiation	No (ref.)	–	–	–	–
	Yes	0.46 (0.23–0.91)	0.025	0.52 (0.34–0.80)	0.003

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Supplementary Table 2A. Multivariable cox regression analysis for biochemical recurrence-free survival prediction				
Variable	Category	Hazard ratio (HR)	95% confidence interval (CI)	p
Surgical margin	Negative (ref.)	–	–	–
	Positive	0.86	0.63–1.19	0.372
PSA category	<10 (ref.)	–	–	–
	≥10	1.22	0.90–1.67	0.196
Post-Gleason	1–3 (ref.)	–	–	–
	4–5	1.52	1.11–2.10	0.010
Lymph nodes	Negative (ref.)	–	–	–
	Positive	0.72	0.48–1.10	0.130
	pNx	0.60	0.40–0.89	0.012
Pathologic stage	<T3 (ref.)	–	–	–
	pT3a	1.86	1.35–2.57	<0.001
	pT3b–pT4	2.35	1.59–3.49	<0.001
Age	<70 (ref.)	–	–	–
	≥70	1.21	0.86–1.71	0.270
Radiation	No (ref.)	–	–	–
	Yes	9.55	7.06–12.94	<0.001

Supplementary Table 2B. Multivariable Cox regression analysis for biochemical recurrence-free survival prediction by surgical margin status					
Variable	Category	Positive margin: HR (95% CI)	p	Negative margin: HR (95% CI)	p
PSA category	< 10 (ref.)	–	–	–	–
	≥10	1.70 (0.94–3.05)	0.077	0.92 (0.62–1.34)	0.649
Post-Gleason	1–3 (ref.)	–	–	–	–
	4–5	1.49 (0.78–2.84)	0.224	1.05 (0.70–1.59)	0.807
Lymph nodes	Negative (ref.)	–	–	–	–
	Positive	0.99 (0.45–2.21)	0.989	0.50 (0.30–0.83)	0.008
	pNx	0.22 (0.05–0.96)	0.044	0.98 (0.56–1.70)	0.942
Pathologic stage	<T3 (ref.)	–	–	–	–
	pT3a	4.05 (1.50–10.96)	0.006	1.59 (1.12–2.25)	0.009
	pT3b–pT4	5.21 (1.75–15.48)	0.003	2.02 (1.31–3.11)	0.001
Age	<70 (ref.)	–	–	–	–
	≥70	0.95 (0.48–1.88)	0.880	1.17 (0.78–1.74)	0.454

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Radiation	No (ref.)	–	–	–	–
	Yes	2.10 (1.15–3.82)	0.015	12.90 (9.19–18.10)	<0.001