S1 Table. Cox proportional hazards model for survival outcomes

	Progression-free survival				Overall survival			
	Univariable		Multivariable		Univariable		Multivariable	
	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value	HR (95% CI)	p-value
Age (yr)								
≤ 70	1 (Ref)		-		1 (Ref)		-	
> 70	1.23 (0.69-2.19)	0.48	-	-	1.21 (0.66-2.20)	0.54	-	-
Sex								
Male	1.42 (0.56-3.60)	0.46	-	-	1.41 (0.55-3.59)	0.48	-	-
Female	1 (Ref)		-		1 (Ref)		-	
ECOG PS								
0-1	1 (Ref)		-		1 (Ref)		-	
≥ 2	1.31 (0.67-2.55)	0.43	-	-	1.38 (0.66-2.90)	0.40	-	-
Stage								
ED	3.45 (1.89-6.25)	< 0.001	3.45 (1.89-6.25)	< 0.001	4.76 (2.63-9.09)	< 0.001	4.76 (2.63-9.09)	< 0.001
LD	1 (Ref)		1 (Ref)		1 (Ref)		1 (Ref)	
Primary								
Prostate	1 (Ref)		-		1 (Ref)		-	
Non-prostate	0.41 (0.23-0.72)	0.002	-	-	0.39 (0.22-0.71)	0.002	-	-
Smoker								
Yes	0.99 (0.55-1.77)	0.97	-	-	0.91 (0.50-1.64)	0.74	-	-
Never	1 (Ref)		-		1 (Ref)		-	
Histologic transformation								
Yes	2.22 (1.19-4.12)	0.01	-	-	2.44 (1.30-4.57)	0.006	-	-
No	1 (Ref)		-		1 (Ref)		-	

CI, confidence interval; ECOG PS, Eastern Cooperative Oncology Group performance status; ED, extensive disease; HR, hazards ratio; LD, limited disease; Ref, reference.