

Table S1 Clinicopathological characteristics of patients with testicular choriocarcinoma (CC) or seminoma after PSM

	Choriocarcinoma, n=546(%)	Seminoma, n=1089(%)	P value
Age (years)			0.921
≤30 years	325 (59.5)	651 (59.8)	
>30 years	221 (40.5)	438 (40.2)	
Marital status			0.882
Married	183 (33.5)	361 (33.1)	
Not married ^a	363 (66.5)	728 (66.9)	
Laterality			0.995
Left or right	538 (98.5)	1073 (98.5)	
Bilateral	8 (1.5)	16 (1.5)	
Tumor size (cm)			0.843
≤4	248 (45.4)	489 (44.9)	
>4	298 (54.6)	600 (55.1)	
SEER stage			0.952
Localized	299 (54.8)	599 (55.0)	
Regional	98 (18.0)	200 (18.4)	
Distant	149 (27.3)	290 (26.6)	
Surgery			0.708
No	20 (3.7)	36 (3.3)	
Yes	526 (96.3)	1053 (96.7)	
Chemotherapy			0.950
No/unknown	226 (41.4)	449 (41.2)	
Yes	320 (58.6)	640 (58.8)	

^a, not married included divorced, separated, single (never married), unmarried or domestic partner and widowed.

Table S2 Univariate Cox proportional hazards regression model analysis of overall survival and cancer-special survival for testicular choriocarcinoma (CC) patients

Characteristics	Cancer-special survival		Overall survival	
	HR (95% CI)	P value	HR (95% CI)	P value
Age				
≤30 years	Reference	–	Reference	–
>30 years	1.772 (1.194–2.629)	0.004	1.768 (1.224–2.554)	0.002
Marital status				
Married	Reference	–	Reference	–
Not married ^a	1.251 (0.799–1.957)	0.328	1.23 (0.810–1.868)	0.331
Laterality				
Left or right	Reference	–	Reference	–
Bilateral	5.928 (3.418–10.28)	<0.001	5.041 (2.925–8.687)	<0.001
Tumor size				
≤4	Reference	–	Reference	–
>4	0.844 (0.534–1.336)	0.469	0.871 (0.571–1.329)	0.522
SEER stage				
Localized	Reference	–	Reference	–
Regional	3.117 (1.005–9.667)	0.05	2.198 (0.837–5.775)	0.11
Distant	19.799 (8.652–45.310)	<0.001	13.354 (6.959–25.625)	<0.001
Surgery				
No	Reference	–	Reference	–
Yes	0.127 (0.081–0.197)	<0.001	0.147 (0.096–0.224)	<0.001
Chemotherapy				
None/unknown	Reference	–	Reference	–
Yes	5.521 (2.87–10.62)	<0.001	4.85 (2.721–8.647)	<0.001
Pathological type				
Pure choriocarcinoma	Reference	–	Reference	–
Mixed type	0.223 (0.15–0.331)	<0.001	0.228 (0.157–0.329)	<0.001

^a, not married included divorced, separated, single (never married), unmarried or domestic partner and widowed.