Supplementary

Table S1 Univariate and multivariate analyses of the unmatched cohort for OS

Verieblee	Univariate analys	Multivariate analysis		
Variables	HR (95% CI)	P value	HR (95% CI)	P value
Race: Black vs. White	1.006 (0.834–1.214)	0.947	0.947 (0.784–1.144)	0.571
Race: Other vs. White	0.394 (0.324–0.478)	<0.001	0.633 (0.518–0.775)	<0.001
FIGO: IIB-IVB vs. IA1-IIA2	13.327 (10.613–16.735)	<0.001	5.996 (4.43–8.115)	<0.001
Primary site: other vs. cervix uteri	0.684 (0.579–0.809)	<0.001	0.849 (0.715–1.007)	0.06
Radiation: yes <i>vs.</i> no	0.9 (0.735–1.101)	0.306	1.481 (1.122–1.954)	0.005
Chemotherapy: yes vs. no	3.751 (3.133–4.49)	<0.001	0.561 (0.454–0.693)	<0.001
Regional nodes: 0-18 vs. 0	0.24 (0.19–0.304)	<0.001	0.507 (0.357–0.72)	<0.001
Regional nodes: 19–90 vs. 0	0.124 (0.088–0.176)	<0.001	0.271 (0.171–0.43)	<0.001
Positive nodes: 0–2 vs. 0	1.307 (0.919–1.86)	0.136	1.507 (0.938–2.421)	0.09
Positive nodes: 3–23 <i>vs.</i> 0	2.245 (1.524–3.307)	<0.001	2.385 (1.436–3.96)	<0.001
Marital: married vs. single/unmarried	1.254 (1.076–1.461)	0.004	1.005 (0.858–1.178)	0.949
Marital: divorced/unknown vs. single/unmarried	1.43 (1.246–1.641)	<0.001	1.14 (0.99–1.313)	0.068
Surgery: yes vs. no	0.119 (0.099–0.143)	<0.001	0.428 (0.321–0.569)	<0.001
Age category: 40-44 vs. 21-39	1.129 (0.76–1.678)	0.548	1.029 (0.689–1.536)	0.89
Age category: 45–59 vs. 21–39	2.385 (1.782–3.193)	<0.001	1.51 (1.116–2.043)	0.007
Age category: 60–97 vs. 21–39	7.311 (5.568–9.6)	<0.001	2.912 (2.171–3.905)	<0.001
Tumor type: EC vs. AC	0.786 (0.589–1.048)	0.1	0.838 (0.624–1.124)	0.238

AC, ordinary cervical adenocarcinoma; EC, cervical endometrioid adenocarcinoma; FIGO, Federation International of Gynecology and Obstetrics; OS, overall survival.

Madala	Univariate analysi	Multivariate analysis		
Variables	HR (95% CI)	P value	HR (95% CI)	P value
Race: Black vs. White	1.008 (0.824–1.233)	0.938	0.973 (0.795–1.191)	0.789
Race: Other vs. White	0.406 (0.33–0.501)	<0.001	0.662 (0.533–0.823)	<0.001
FIGO: IIB–IVB vs. IA1–IIA2	16.927 (12.978–22.077)	<0.001	7.306 (5.172–10.319)	<0.001
Primary site: other vs. cervix uteri	0.689 (0.577–0.825)	<0.001	0.856 (0.713–1.027)	0.094
Radiation: yes <i>vs.</i> no	0.871 (0.7–1.083)	0.213	1.421 (1.044–1.932)	0.025
Chemotherapy: Yes vs. No	4.285 (3.516–5.224)	<0.001	0.596 (0.474–0.75)	<0.001
Regional nodes: 0–18 vs. 0	0.216 (0.167–0.281)	<0.001	0.444 (0.296–0.667)	<0.001
Regional nodes: 19–90 vs. 0	0.107 (0.072–0.158)	<0.001	0.244 (0.144–0.412)	<0.001
Positive nodes: 0–3 <i>vs.</i> 0	1.419 (1.014–1.985)	0.041	1.783 (1.085–2.93)	0.022
Positive nodes: 4–23 vs. 0	2.507 (1.522–4.129)	<0.001	2.79 (1.497–5.199)	0.001
Marital: married vs. single/unmarried	1.164 (0.988–1.37)	0.069	0.956 (0.808–1.132)	0.603
Marital: divorced/unknown vs. single/unmarried	1.442 (1.244–1.67)	<0.001	1.14 (0.981–1.326)	0.088
Surgery: yes vs. no	0.105 (0.085–0.129)	<0.001	0.42 (0.306–0.576)	<0.001
Age category: 40–44 vs. 21–39	1.095 (0.727–1.649)	0.665	0.96 (0.634–1.454)	0.848
Age category: 45–59 vs. 21–39	2.296 (1.7–3.101)	<0.001	1.364 (0.998–1.864)	0.051
Age category: 60–97 vs. 21–39	6.499 (4.898–8.623)	<0.001	2.361 (1.74–3.204)	<0.001
Tumor type: EC vs. AC	0.724 (0.526–0.997)	0.048	0.809 (0.584–1.121)	0.203

Table S2 Univariate and multivariate analyses of the unmatched cohort for DSS

AC, ordinary cervical adenocarcinoma; EC, cervical endometrioid adenocarcinoma; FIGO, Federation International of Gynecology and Obstetrics; DSS, disease-specific survival.

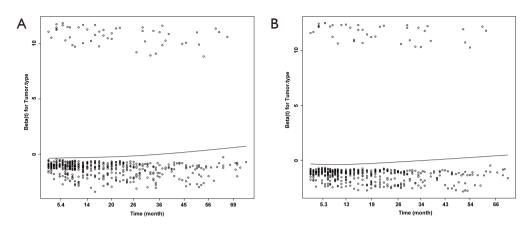


Figure S1 Residual diagram of the PH tests for OS and DSS (A,B). OS, overall survival; DSS, disease-specific survival.

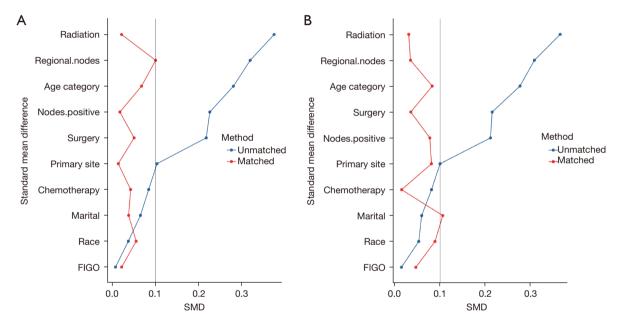


Figure S2 Balance tests of the baseline data before and after PSM (A,B). FIGO, Federation International of Gynecology and Obstetrics; SMD, standard mean difference.

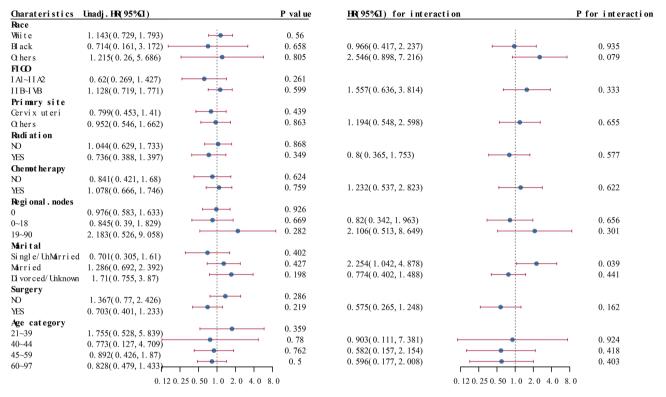


Figure S3 Forest plot of the HRs comparing the EC and AC patients in the multivariate analyses in the matched cohort for OS. EC, cervical endometrioid adenocarcinoma; AC, ordinary cervical adenocarcinoma; OS, overall survival.

Charateri sti cs	Unadj. HR(95%GI)	P val ue	HR(95%GI) for interacti	on	P for interaction
Race	· · · ·		<u> </u>		
White	0. 965(0. 595, 1. 566)	0.887			
Black	0. 716(0. 144, 3. 574)	0.684	1.081(0.395, 2.957)	·	0.88
() her s	165. 296(37. 085, 736. 758)	→ <0.001	1. 563(0. 476, 5. 132)	·····	0.462
FICO					
IA1~IIA2	0. 45(0. 175, 1. 158)	0.098			
IIB~IVB	1. 209(0. 738, 1. 982)	0.451	2.724(0.971,7.638)	•	0.057
Primary site					
Cervix uteri	1. 005(0. 553, 1. 826)	0.988			
() her s	0. 717(0. 384, 1. 339)	0.296	0.814(0.35, 1.893)	• • •••	0.633
Radi at i on					
NO	1. 159(0. 667, 2. 015)	0.601			
YES	0. 512(0. 251, 1. 043)	0.065	0.48(0.201, 1.15)	—	0.1
Chenot her apy					
NO	1. 048(0. 438, 2. 505)	0.917			
YES	0. 835(0. 501, 1. 39)	0.487	0.68(0.255, 1.816)	⊢	0.442
Regional nodes			,		
0	1. 073(0. 623, 1. 849)	0.8			
0~18	0. 45(0. 158, 1. 28)	0.134	0. 534(0. 189, 1. 504)	· · · · · · · · · · · · · · · · · · ·	0.235
19~90	1. 148(0. 283, 4. 66)	0.846	0.667(0.187, 2.376)	F	0.532
Mari tal					
Single/UhMarried	0. 837(0. 347, 2. 016)	0.691			
Married	1. 354(0. 649, 2. 824)	0.419	1.269(0.565, 2.852)	· · · · · · · · · · · · · · · · · · ·	0.564
Di vor ced/ Uhknown	0. 855(0. 371, 1. 97)	0.713	0. 586(0. 283, 1. 214)	⊢	0.15
Surgery					
N0 ั้	1. 281(0. 711, 2. 308)	0.409			
YES	0. 65(0. 334, 1. 265)	0.205	0.543(0.228, 1.291)	• • • • • • • • • • • • • • • • • • •	0.167
Age category					
21~39	1. 805(0. 502, 6. 491)	0.366			
40~44	0. 552(0. 049, 6. 194)	0.63	0.48(0.058, 4.004)	• • • • • • • • • • • • • • • • • • •	0.498
45~59	0. 991(0. 448, 2. 191)	0.982	0. 677(0. 176, 2. 597)	⊢	0.569
60~97	0. 747(0. 403, 1. 384)	0.353	0. 62(0. 176, 2. 19)	· · · · · · · · · · · · · · · · · · ·	0.458
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	0.062 0.5004e+00 3e+01 3e+	02		0.062 0.250 1.002.004.008	. 00

Figure S4 Forest plot of the HRs comparing the EC and AC patients in the multivariate analyses in the matched cohort for DSS. EC, cervical endometrioid adenocarcinoma; AC, ordinary cervical adenocarcinoma; DSS, disease-specific survival.