

Table SI. Clinical characteristics of the 79 IB2-stage cervical SCC patients.

Characteristics	N	Percentage
Tumor diameter		
>4 cm, <5 cm	40	50.6%
≥5 cm	39	49.4%
Gross type		
Exogenous	63	79.7%
Endogenous	2	2.5%
Ulcerative	11	13.9%
Neck type	1	1.3%
Undefined	2	2.5%
Deep stromal invasion		
No	33	41.8%
Yes	44	55.7%
Undefined	2	2.5%
LVSI		
No	66	83.5%
Yes	13	16.5%
Pelvic lymph node metastasis		
Yes	23	29.1%
No	56	70.9%
Surgical margins		
Positive	2	2.5%
Negative	77	97.5%
PNI positive	0	0
Parametrial extension positive	0	0
LVSI, lymphovascular space invasion; PNI, perineural invasion.		

Table SII. Comparison of expression level of BDNF, TrkB, VEGF, and MVD between normal cervical epithelium (NCE) and cervical SCC (Student t test with Bonferroni).

Variables	NCE	SCC	95% CI		P
	Mean $\pm$ SD	Mean $\pm$ SD	Lower	Upper	
Mean IOD of BDNF	0.040 $\pm$ 0.016	0.064 $\pm$ 0.036	-0.035	-0.013	<0.001
Mean IOD of TrkB	0.023 $\pm$ 0.015	0.025 $\pm$ 0.024	-0.018	0.0139	0.816
Mean IOD of VEGF	0.033 $\pm$ 0.029	0.071 $\pm$ 0.054	-0.061	-0.015	0.003
MVD	10.5 $\pm$ 1.5	12.1 $\pm$ 2.7	-2.682	-0.2896	0.018

NCE, normal cervical epithelium; SCC, squamous cell carcinoma; IOD, average optical density; MVD, microvessel density.

Table SIII. Univariate analysis of 5-year overall survival in IB2-stage cervical SCC patients (continuous variables).

Variables	Death	Survival	95% CI		P
	Mean $\pm$ SD	Mean $\pm$ SD	Lower	Upper	
Serum hemoglobin (g/l)	120.76 $\pm$ 19.28	116.04 $\pm$ 16.55	-13.851	4.408	0.306
Tumor diameter (cm)	4.81 $\pm$ 0.62	4.9 $\pm$ 1.45	-0.539	0.713	0.783
Serum SccA	11.85 $\pm$ 17.44	8.1 $\pm$ 11.07	-13.525	6.025	0.441
Blood loss (ml)	352.5 $\pm$ 213.7	432.7 $\pm$ 230.4	-37.462	197.916	0.178
Operation time (min)	213.7 $\pm$ 54.0	219.6 $\pm$ 45.4	-20.458	32.095	0.661
Number of lymph node metastases	1.3 $\pm$ 2.8	0.51 $\pm$ 1.0	-2.13	0.548	0.233
Mean IOD of BDNF	0.076 $\pm$ 0.039	0.060 $\pm$ 0.035	-0.03	0.001	0.062
Mean IOD of TrkB	0.026 $\pm$ 0.025	0.025 $\pm$ 0.024	-0.013	0.011	0.871
Mean IOD of VEGF	0.092 $\pm$ 0.054	0.063 $\pm$ 0.053	-0.055	-0.003	0.030
MVD	13.3 $\pm$ 2.9	11.5 $\pm$ 2.5	-3.121	-0.509	0.007

OS, overall survival; IOD, average optical density; MVD, microvessel density.

Table SIV. Univariate analysis of overall survival rate in IB2-stage cervical SCC (categorical variables).

Variables	N	Accumulated survival rate (%)	P
Age (years)			
≤35	3	40.0	0.030
>35, ≤50	9	81.3	
>50	11	57.7	
BMI			
<24	6	64.7	0.477
≥24	5	78.3	
Gravidity			
≤2	7	65.0	0.573
>2	16	72.9	
Parity			
≤2	14	70.8	0.999
>2	9	71.0	
Gross type			
Exogenous	17	73.0	0.210
Endogenous	2	0.0	
Ulcerative	3	72.7	
Neck type	0	100.0	
Undefined	1	50.0	
DSI			
No	8	75.8	0.611
Yes	14	68.2	
LVSI			
No	18	72.7	0.308
Yes	5	61.5	
Pelvic lymph node metastasis			
No	15	73.2	
Yes	8	65.2	
Postoperative therapy			0.587
None	7	68.2	0.839
Radiotherapy	1	50.0	
Chemotherapy	7	76.7	
Concurrent chemoradiotherapy	1	50.0	
Chemoradiotherapy	7	69.6	

BMI, body mass index; DSI, deep stromal invasion; LVSI, lympho-vascular space invasion.

Table SV. Cox regression analysis of overall survival rate in IB2-stage cervical SCC.

Variables	B	SE	Wald	P-value	OR	95.0% CI	
						Lower	Upper
Age	0.214	0.376	0.323	0.57	1.239	0.592	2.591
Mean IOD of BDNF	0.31	0.449	0.479	0.489	1.364	0.566	3.286
MVD	1.002	0.464	4.66	0.031	2.723	1.097	6.762
Mean IOD of VEGF	0.447	0.421	1.128	0.288	1.563	0.685	3.567