

Supplement table 3. Multivariable analysis of the 1:1 matched group

| | 5-year overall survival | | | 5-year disease-free survival | | |
|-----------------------------------|-------------------------|--------------|--------|------------------------------|--------------|--------|
| | HR | 95%CI | p | HR | 95%CI | p |
| Age | 0.992 | 0.969-1.014 | 0.459 | 0.992 | 0.976-1.008 | 0.3308 |
| Year of surgery | | | | | | |
| 2004-2009 | 1 (Ref) | | | 1 (Ref) | | |
| 2010-2016 | 5.472 | 0.756-39.601 | 0.092 | 1.185 | 0.551-2.549 | 0.665 |
| Histopathology | | | | | | |
| Squamous cell carcinoma | 1 (Ref) | | | 1 (Ref) | | |
| Adenocarcinoma | 1.571 | 0.848-2.913 | 0.151 | 1.132 | 0.708-1.811 | 0.604 |
| Adenosquamous carcinoma | 1.378 | 0.331-5.728 | 0.660 | 1.131 | 0.358-3.527 | 0.834 |
| FIGO stage | | | | | | |
| IA1 (LVSI+) & IA2 | 1 (Ref) | | | 1 (Ref) | | |
| IB1 | 3.173 | 0.762-13.218 | 0.113 | 4.049 | 1.485-11.042 | 0.006 |
| Stromal invasion | | | | | | |
| ≤1/2 | 1 (Ref) | | | 1 (Ref) | | |
| >1/2 | 4.968 | 2.884-8.559 | <0.001 | 2.334 | 1.593-3.420 | <0.001 |
| N/A | 1.940 | 0.938-4.012 | 0.074 | 1.001 | 0.584-1.715 | 0.998 |
| Lymphovascular invasion | | | | | | |
| Negative | 1 (Ref) | | | 1 (Ref) | | |
| Positive | 2.035 | 1.063-3.896 | 0.032 | 1.434 | 0.881-2.334 | 0.147 |
| Parametrial invasion | | | | | | |
| Negative | 1 (Ref) | | | 1 (Ref) | | |
| Positive | 0.464 | 0.063-3.414 | 0.451 | 0.606 | 0.148-2.485 | 0.486 |
| Vaginal margin status | | | | | | |
| Negative | 1 (Ref) | | | 1 (Ref) | | |
| Positive | 3.153 | 0.959-10.367 | 0.059 | 1.939 | 0.695-5.413 | 0.206 |
| Lymph nodes | | | | | | |
| Nonmetastasis | 1 (Ref) | | | 1 (Ref) | | |
| Metastasis | 4.065 | 1.836-9.000 | 0.001 | 1.613 | 0.964-2.699 | 0.068 |
| Surgical approach | | | | | | |
| Abdominal radical hysterectomy | 1 (Ref) | | | 1 (Ref) | | |
| Laparoscopic radical hysterectomy | 1.483 | 0.987-2.228 | 0.058 | 1.605 | 1.205-2.138 | 0.001 |
| Adjuvant therapy | | | | | | |
| No | 1 (Ref) | | | 1 (Ref) | | |
| Yes | 0.292 | 0.106-0.806 | 0.017 | 0.858 | 0.432-1.706 | 0.662 |