Supplementary table 1. Demographics and tumor characteristics of patients in our institution

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| characteristics | n=49 |
| Age(year) | 47.50(19-75) |
| Nulliparous | 16(32.65%) |
| BMI (kg/m2) | 23.50(16.73-36.21) |
| Dysmenorrhea | 8(16.32%) |
| CA125 (IU/L) | 40.05(7.00-2651.00) |
| Tumor size (cm) | 6(0.50-15.00) |
| Tumor with stalk | 29(59.18%) |
| FIGO Stage |  |
| IA | 26(53.06%) |
| Sarcomatous overgrowth; | 15(30.61%) |
| Heterologous elements | 4(8.16%) |
| Hymphovascular space invasion | 6(12.24%) |
| Fertility sparing surgery | 7(14.29%) |
| Disease progress rate | 10(20.40%) |
| Death rate | 6(12.24%） |
| Follow up(months) | 34.00（1.00-148.00） |

BMI, body mass index; FIGO, International Federation of Gynecology and Obstetrics.