**Table S2a** Univariate and multivariate analysis of clinical outcomes (uterine rupture vs. not rupture)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Factors | Not rupture | Rupture | X2 | P value | Logistic regression analysis |
|  |  |  |  |  | OR (95%CI) P |
| Age (years) | 31.5 ± 6.9 | 28.7 ± 5.0 |  | 0.239 |  |
| Uterine surgery (<2 times/≥2times) | 23/19 | 4/4 | 0.092 | 1.000 |  |
| Methods of conception (nature/ART) | 41/6 | 8/1 | 0.019 | 1.000 |  |
| Serum β-HCG (IU/L)  Diagnosis (preoperative/intra or postoperative) | 18651.6  27/20 | 13557.0  4/5 | 0.517 | 0.703  0.493 |  |
| GA (≤10/>10, weeks) a | 36/9 | 3/6 | 8.142 | 0.010\* | 8.000 1.456 - 43.966 0.017\* |
| Location of GS (fundus/other) a | 11/36 | 6/3 | 6.687 | 0.017\* | 7.000 1.271 – 38.543 0.025\* |

**Table S2b**. The predictive performance of identified risk factors for uterine rupture.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Factors | OR (95% CI) | P value | AUC (95% CI) | P value | AUC (95% CI, combination) | P value |
|  |  |  |  |  | 0.793 (0.596 – 0.989) | 0.006 |
| GA (weeks) | 8.000 (1.670 – 38.323) | 0.009 | 0.733 (0.540 – 0.927) | 0.028 |  |  |
| Location of GS (fundus/other) | 6.545 (1.401 – 30.582) | 0.017 | 0.716 (0.523 – 0.910) | 0.041 |  |  |

Abbreviations: GA, gestational age; GS, gestational sac; HCG, human chorionic gonadotrophin; AUC, area under the curve.

*a* Factors applied to multivariate analysis; \* *p* < 0.05\*