

Supplementary Table 1**Logistic regression for risk of maternal outcomes related to E2 levels**

	univariate OR (95% C.I.)	<i>p</i>	Multivariable OR (95% C.I.) Model 1 (full model)	<i>p</i>
Maternal outcomes				
Placenta previa				
E2 value at ET day, vs. <108				
108-195	1.21(0.33-4.42)	0.7746	0.75(0.18-3.08)	0.6884
195	2.57(0.69-9.58)	0.1588	1.14(0.22-5.95)	0.8727
E2 value 3 day after ET, vs. <112				
112-202	1.79(0.42-7.69)	0.4344	2.02(0.44-9.30)	0.3650
202	4.18(0.97-17.93)	0.0545	3.19(0.55-18.47)	0.1953
Placenta accreta				
E2 value at ET day, vs. <108				
108-195	1.15(0.16-8.12)	0.8878	1.50(0.24-9.28)	0.6656
195	0.97(0.10-9.75)	0.9760	1.85(0.18-18.80)	0.6019
E2 value 3 day after ET, vs. <112				
112-202	1.20(0.17-8.42)	0.8595	0.96(0.16-5.69)	0.9664
202	0.97(0.10-9.75)	0.9765	0.63(0.06-6.24)	0.6917
Pregnancy induced hypertension				
E2 value at ET day, vs. <108				
108-195	0.47(0.12-1.83)	0.2764	0.68(0.15-3.03)	0.6134
195	0.74(0.17-3.17)	0.6803	1.63(0.23-11.77)	0.6263
E2 value 3 day after ET, vs. <112				
112-202	0.30(0.08-1.21)	0.0913	0.23(0.05-1.12)	0.0682
202	0.59(0.15-2.41)	0.4633	0.32(0.05-2.19)	0.2428
Hypertensive disorder				
E2 value at ET day, vs. <108				
108-195	0.81(0.24-2.74)	0.7303	1.55(0.40-6.04)	0.5301
195	1.44(0.41-5.16)	0.5711	5.94(0.98-36.20)	0.0532

E2 value 3 day after ET, vs. <112			
112-202	0.41(0.13-1.24)	0.1124	0.20(0.05-0.75)
202	0.55(0.16-1.89)	0.3387	0.14(0.02-0.76)

1. The OR adjust by firth logistic regression

2. Model 1 Mutivariable OR adjust by all variable in table 1 (natural cycle and programmed cycle, Maternal age, BMI, Nulliparous, Insemination type, Embryo stage, No. of embryos transferred, No. of gestational sacs, Years of involuntary childlessness, Cause of infertility)