

Table 3 Association of maternal and ART related factors to clinical pregnancy and live birth

Independent variables	Maternal factors	No. (1098)	Clinical pregnancy			Live birth		
			Adjusted model OR (95% CI)			Adjusted model OR (95% CI)		
Maternal factors	Female age (Years)							
	20-25(Reference)	190	1			1		
	26-30	572	1.068 (0.668 1.709)			1.021 (0.659 1.581)		
	31-35	253	1.327 (0.712 2.473)			0.98 (0.555 1.729)		
	36-50	83	0.904 (0.317 2.584)		*	0.905 (0.398 2.768)		*
	Infertility type							
	Primary infertility (Reference)	799	1			1		
	Secondary infertility	291	1.089 (0.311 3.818)			0.598 (0.164 2.172)		
	Non	8						
	Infertility years		0.98 (0.911 1.053)			1.008 (0.943 1.078)		
	Past obstetric history							
	Gravidity							
	0	797	1			1		
	1	189	0.851 (0.238 3.403)			2.562 (0.691 9.5)		
	≥2	105	2.265 (0.462 11.106)			1.208 (0.275 5.304)		
	Non	7						
	Parity							
	0	985	1			1		
	1	96	1.140 (0.467 2.784)			1.244 (0.549 2.815)		
	≥2	10	0.863 (0.068 10.999)			1.125 (0.131 9.637)		
	Non	7						
	Abortion							
	0	551	1			1		
	1	70	0.571 (0.332 0.983)		*	1.419 (0.82 2.455)		
	≥2	31	2.089 (0.819 5.328)			0.819 (0.383 1.748)		
	Non	446						
BMI		1.019 (0.961 1.081)			0.964 (0.912 1.019)			
Endometrial thickness		0.978 (0.900 1.062)			0.989 (0.916 1.068)			
Oocyte number		1.053 (1.005 1.104)		*	1.003 (0.961 1.046)			
Cycle								
1	902	1			1			
2	152	0.434 (0.250 0.753)		**	0.683 (0.404 1.153)			
≥3	44	1.452 (0.471 4.477)			1.529 (0.575 4.063)			
Fertilization type								
Cycle-related factors	IVF(Reference)	1046	1			1		
	ICSI	52	0.874 (0.345 2.218)			1.045 (0.441 2.475)		
	Embryo type							
	Cleavage stage	632	1			1		
	Blastocyst	464	1.77 (1.035 3.026)		*	1.364 (1.041 1.788)		*
	Non	2						
	Transferred embryo number		2.06 (1.279 3.32)		**	1.242 (0.802 1.924)		

BMI: body mass index; IVF : in vitro fertilization; ICSI: intracytoplasmic sperm injection. Dependent variables:clinical pregnancy rate and live birth rate.