

Supplementary Table S1 Demographic characteristics of women in two controlled ovarian stimulation protocol groups.

	GnRH agonist group (n = 123)	GnRH antagonist group (n = 115)	P
Age (years)	29.9 ± 3.2	29.4 ± 3.3	0.295
BMI	21.9 ± 3.15	22.1 ± 3.6	0.629
Number of canceled cycles	31	34	
Number of transfer cycles	92	81	
Basic FSH level (mIU/ml)	7.5 ± 1.9	7.4 ± 1.9	0.800
Basic LH level (mIU/ml)	4.5 ± 2.8	4.5 ± 2.4	0.930
Basic estradiol level (pg/ml)	37.1 ± 18.0	39.0 ± 17.5	0.497
Basic progesterone level (ng/ml)	0.6 ± 0.5	0.5 ± 0.3	0.208
Stimulation duration (day)	12.1 ± 2.0	11.4 ± 2.3	0.028
Total gonadotrophin used (IU)	2613 ± 891.4	2398 ± 712.6	0.084
Total cetrotide used (mg)		1.1 ± 0.4	0.000
Duration of cetrotide use (day)		4.5 ± 1.6	0.000
Estradiol level on hCG day (pg/ml)	4568 ± 1778.4	4485 ± 1959.8	0.772
Progesterone level on hCG day (ng/ml)	1.0 ± 0.3	1.1 ± 0.5	0.156
LH level on hCG day (mIU/ml)	1.9 ± 2.4	2.6 ± 2.4	0.070
Number of oocytes retrieved	11.5 ± 3.5	10.5 ± 3.8	0.072
Number of available embryos	4.9 ± 2.8	4.2 ± 2.7	0.124
Number of embryo transfer	1.9 ± 0.3	1.8 ± 0.4	0.243
Average score of embryo transfer	7.1 ± 1.3	7.0 ± 1.1	0.514
Endometrial thickness on hCG day (cm)	1.1 ± 0.2	1.0 ± 0.2	0.074
Implantation rate (per embryo transferred)	66/175 (37.7%)	37/149 (24.8%)	0.013
Clinical pregnancy rate (per embryo transfer)	47/92 (51%)	26/81 (32%)	0.012
Pregnancy loss rate(per embryo transfer)	6/92 (7%)	7/81 (9%)	0.598
Multiple pregnancy rate (per pregnancy)	11/47 (23%)	3/27 (11%)	0.233
Severe OHSS rate (per embryo transfer)	4/92 (4%)	0/81 (0%)	0.124

Data presented as mean ± SD for quantitative variables and frequency for qualitative variables. The chisquare and Fisher's exact test were considered for quantitative variables and the Student t-test was considered for quantitative variables. Statistical significance was defined as $P < 0.05$.