

**Table 2.** IVF cycle outcome in the two studied groups.

Characteristics	Cholecalciferol n=285	Placebo n=288	P
Total number of follicles $\geq$ 11 mm	11 [7 - 16]	11 [7-15]	0.50
Total dose of gonadotropins (IU)	2,075 [1,550 - 2,763]	2,100 [1,500 - 2769]	0.98
Duration of stimulation (days)	9 [8 - 11]	9 [8 - 11]	0.91
N. of oocytes retrieved	8 [5 - 12]	7 [4 - 12]	0.22
IU of gonadotropins for retrieved oocyte	283 [150 - 517]	276 [150 - 550]	0.55
N. suitable oocytes <sup>a</sup>	6 [4 - 9]	6 [3 - 9]	0.13
N. of women without suitable oocytes	3 (1%)	10 (3%)	0.09
Technique <sup>b</sup>			0.34
Classical IVF	82 (29%)	70 (25%)	
ICSI	200 (71%)	208 (75%)	
Fertilization rate (%) <sup>b</sup>	71 [69 - 73]	73 [71 - 75]	0.33
N. cleavage embryos <sup>b</sup>	4 [2-6]	4 [2-6]	0.48
N. top quality embryos <sup>b</sup>	1 [0 - 3]	1 [0 - 2]	0.07
Fresh embryo transfer not performed <sup>b</sup>	113 (40%)	119 (43%)	0.76
High risk of OHSS <sup>c</sup>	75 (66%)	76 (64%)	
No viable cleavage embryos <sup>c</sup>	20 (18%)	24 (20%)	
PGT <sup>c</sup>	14 (12%)	12 (10%)	
Other <sup>c</sup>	4 (4%)	7 (6%)	
Total number of transfers performed			0.43
0	34 (12%)	48 (17%)	
1	162 (57%)	156 (54%)	
2	55 (19%)	54 (19%)	
$\geq$ 3	34 (12%)	30 (10%)	
Total number of embryos transferred			0.37
0	34 (12%)	48 (17%)	
1	137 (48%)	124 (43%)	
2	70 (25%)	74 (26%)	
$\geq$ 3	44 (15%)	42 (14%)	

Data are reported as mean  $\pm$  SD or median [interquartile range] or number (percentage)

IU: International Units, IVF: In vitro fertilization. ICSI: Intracytoplasmic Sperm Injection. OHSS: Ovarian hyper-stimulation syndrome. PGT: Preimplantation Genetic Testing.

<sup>a</sup> Suitable oocytes refer to metaphase II oocytes and type 1 cumulus-oocyte complex according to the European Society for Human Reproduction and Embryology Istanbul Consensus Conference, 2011.

<sup>b</sup> Data refer to subjects retrieving at least one suitable oocyte (n=282 and 278 for treated and untreated women, respectively).

<sup>c</sup> The percentages refer to the number of women who did not perform embryo transfer despite retrieving oocytes (113 and 119).