

Table 1 Comparison of Baseline Characteristics Between PGT-A and IVF/ICSI Treatments in Women of Advanced Maternal Age [M (Q1, Q3), n (%)]

Indicator	Before PSM		<i>P</i> -value	After PSM		<i>P</i> -value
	PGT-A group	IVF/ICSI group		PGT-A group	IVF/ICSI group	
No. of cases	630	514	/	352	352	/
Age (year)	40 (39, 42)	40 (38, 41)	<0.001	40 (39, 41.8)	40 (39, 42)	0.521
Infertility year	2 (1, 3)	2 (1, 4)	<0.001	2 (1, 3)	2 (1, 3.9)	0.417
Body mass index (kg/m ²)	21.9 (20.3, 23.9)	22.2 (20.4, 24.2)	0.136	22 (20.5, 24.2)	22.2 (20.5, 24)	0.926
Infertility types			<0.001			0.403
Primary infertility (%)	37 (5.9)	143 (27.8)		36 (11.2)	43 (12.2)	
Secondary infertility (%)	593 (94.1)	371 (72.2)		316 (89.8)	309 (87.8)	
Basal antral follicle count	7 (4, 11)	6.5 (4, 10)	0.078	7 (4, 11)	7 (4, 11)	0.835
Oocyte retrieval count	5 (3, 9)	4 (2, 8)	<0.001	5 (3, 8)	4 (2, 9)	0.286
Basal-FSH (U/L)	7.3 (5.84, 9.53)	7.5 (5.8, 10.3)	0.322	7.6 (5.84, 9.45)	7.3 (5.6, 9.5)	0.465
AMH (ng/ml)	1.7 (0.98, 3.09)	1.6 (0.8, 2.7)	0.046	1.6 (0.97, 2.94)	1.6 (0.8, 2.8)	0.460
Cause of infertility (%)		<0.001				10.463
With tubal factor	56 (8.8)	169 (32.9)		52 (14.8)	73 (20.7)	
With endometriosis	38 (6.0)	20 (3.9)		23 (6.5)	19 (5.4)	
With DOR	146 (23.2)	141 (27.4)		111 (31.5)	121 (34.3)	
With RPL	92 (14.7)	17 (3.3)		32 (9.1)	16 (4.5)	
With ovulatory disorders	28 (4.5)	15 (2.9)		16 (4.5)	12 (3.4)	
With male factor	50 (7.9)	18 (3.5)		12 (3.4)	11 (3.1)	
Mix factors	220 (34.9)	134 (26.1)		106 (30.2)	100 (28.4)	
Ovarian stimulation protocols [n (%)]			<0.001			0.060
Antagonist protocol	304 (48.3)	270 (52.5)		186 (52.8)	175 (49.7)	
Long agonist protocol	70 (11.1)	62 (12.1)		33 (9.4)	47 (13.4)	
Soft stimulation protocol	51 (8.1)	73 (14.2)		33 (9.4)	48 (13.6)	
Short protocol	78 (12.3)	38 (7.4)		42 (11.9)	24 (6.8)	
PPOS protocol	66 (10.5)	39 (7.6)		30 (8.5)	32 (9.1)	
Others protocols	61 (9.7)	32 (6.2)		28 (8.0)	26 (7.4)	

Data are presented as mean $\pm$ standard deviation (SD), median (interquartile range) or number (%). M: median. PSM: propensity score matching. PGT-A: preimplantation genetic testing for aneuploidy. IVF: in vitro fertilization. ICSI: intracytoplasmic sperm injection. AMA: advanced maternal age. AMH: Anti-Müllerian Hormone. DOR: diminished ovarian reserve. RPL: recurrent pregnancy loss. PPOS: progestin-primed ovarian stimulation. FSH: Follicle-Stimulating Hormone.