

Table 1. Semen parameters and analysis among male partners of infertile Greek women undergoing oocyte donation treatment for the first time in a single IVF center in Thessaloniki.

YEAR	NO. OF PATIENTS	AGE (Y)	SPERM CONCENTRATION (MILLION/ML)	SPERM MOTILITY (WHO A-C%)	PROGRESSIVE SPERM MOTILITY (WHO A%)	SPERM CONCENTRATION <20 MILLION/ML (%)
2004	85	43.9 (5.4)	39.5 (27,2)	56 (16.5)	41.1 (15)	23.5
2005	140	44.3 (5.3)	39.9 (26.4)	54.6 (19.4)	38.0 (18)	21.4
2006	152	43.6 (5.9)	41.9 (26.2)	50.8 (21.2)	33.8 (19.2)	20.4
2007	183	44.1 (6.2)	46.9 (36.8)	52.9 (17.8)	32.3 (16.8)	15.8
2008	129	44.3 (6.6)	55.8 (46.5)	52.4 (18.4)	33.4 (16.2)	17.1
2009	142	44.5(5.8)	55.3 (39.3)	55.5 (19.8)	36.2 (18.3)	16.9
2010	109	43.8 (7.6)	40.2 (29.9)	50.8 (17.3)	30.3 (15.3)	27.5
2011	72	43.4 (6.7)	45.6 (35.3)	50.9 (18.1)	30.4 (16.7)	27.8
2012	56	43.7 (5.4)	59.1 (33.6)	53.3 (17.6)	30.4 (16.3)	17.9
2013	50	43.1 (4.9)	48.1 (34.7)	49.8 (19.9)	30 (16.2)	24.4
Overall	1113	43.8(6.1)	46.8(34.9)	52.9(19)	34.1 (17.4)	20.4
ANOVA, Tukey-Kramer F (df1; df2)			4.61 (9; 1103)	1.29 (9; 1100)	4.39 (9; 1099)	
P			<0.001	0.239	<0.001	
Pearson ChiSquare (p value)						11.397 (0.2495)

Note: Values are given as mean (SD), unless otherwise stated; SD: Standard Deviation; y: year; One-way ANOVA with Tukey-Kramer post-hoc tests was used for the comparison of the continuous variables between years; Pearson ChiSquare test was used to test the independence of the variable and the year of the study; WHO a-c: rapid progressive motility (a) and slow progressive motility(b) and non-progressive motility(c); WHO a: rapid progressive motility.