

Supplementary Table 1: Baseline characteristics in patients in POSEIDON groups 3 and 4, compared between the long GnRH-a and GnRH-ant protocols.

Parameter	GnRH-a (<i>n</i> = 181)	GnRH-ant (<i>n</i> = 216)	<i>P</i> -value
Age (years)	36.00 (32.00, 39.00)	37.00 (33.00, 39.00)	0.099
AMH (ng/mL)	0.90 (0.69, 1.02)	0.73 (0.49, 0.94)	<0.001
AFC (number)	5.00 (4.00, 7.50)	4.00 (3.00, 6.00)	<0.001
Basal FSH (IU/L)	6.67 (5.56, 8.54)	6.98 (5.79, 9.69)	0.02
Basal LH (IU/L)	2.62 (2.01, 3.60)	2.75 (1.99, 3.79)	0.56
FSH/LH ratio	2.64 (2.09, 3.48)	2.75 (2.08, 3.59)	0.46
Basal E2 (ng/mL)	34.00 (26.00, 48.00)	31.00 (22.00, 45.00)	0.53
Basal PRL (ng/mL)	14.06 (10.11, 18.50)	12.49 (9.18, 19.14)	0.20
BMI (kg/m ²)	21.45 (19.82, 23.13)	21.63 (19.74, 23.76)	0.45
Infertility duration (years)	3.00 (2.00, 5.00)	3.00 (2.00, 6.00)	0.98

Infertility type, <i>n</i> (%)			0.17
Primary infertility	64 (35.40)	91 (42.10)	
Secondary infertility	117 (64.60)	125 (57.90)	
Initial Gn dose (IU)	300.00 (300.00, 300.00)	300.00 (300.00, 300.00)	0.50
Cycle cancelation, <i>n</i> (%)			0.02
Yes	31 (14.62)	66 (23.40)	
No	151 (85.38)	150 (76.60)	

Non-normally distributed data are presented as *n* (%) or median (interquartile ranges).

AFC: Antral follicle count; AMH: Anti-Müllerian hormone; BMI: Body mass index; E2: Estradiol; FSH: Follicle-stimulating hormone; Gn: Gonadotropin; GnRH: Gonadotropin releasing hormone; GnRH-a: GnRH agonist; GnRH-ant: GnRH antagonist; LH: Luteinizing hormone; POSEIDON: Patient Oriented Strategies Encompassing Individualized Oocyte Number; PRL: Prolactin.

Supplementary Table 2: Comparison of the treatment groups before and after PSM for patients in each group stratification by age and AMH levels.

Parameter	Before PSM		<i>P</i> -value	After PSM		<i>P</i> -value
	GnRH-a protocol	GnRH-ant protocol		GnRH-a protocol	GnRH-ant protocol	
In the POSEIDON 4 group						
No. of cases	107	145		93	93	
Basal LH (IU/L)	2.57 (1.97, 3.61)	2.84 (2.06, 3.74)	0.50	2.56 (1.96, 3.75)	2.80 (2.11, 3.41)	0.93
FSH/LH ratio	2.66 (2.10, 3.52)	2.79 (2.09, 3.63)	0.71	2.68 (2.12, 3.71)	2.81 (2.10, 3.49)	0.97
Basal E2 (ng/mL)	26.00 (34.00, 50.00)	31.00 (21.00, 43.00)	0.06	38.00 (26.00, 45.00)	29.00 (21.50, 41.00)	0.09
Basal PRL (ng/mL)	12.87 (9.53, 16.73)	11.68 (8.84, 18.89)	0.72	13.36 (9.61, 17.08)	11.69 (9.21, 17.48)	0.59
BMI (kg/m ²)	22.04 (20.40, 23.63)	21.95 (20.19, 23.95)	0.93	22.04 (20.36, 23.83)	22.43 (20.40, 24.03)	0.83
Infertility duration (years)	3.00 (2.00, 6.00)	3.00 (2.00, 6.00)	0.94	3.00 (2.00, 5.00)	3.00 (2.00, 5.00)	0.87
Infertility type, <i>n</i> (%)			0.08			0.13
Primary infertility	21 (19.60)	44 (30.30)		20 (21.50)	29 (31.20)	

Secondary infertility	86 (80.40)	101 (69.70)		73 (78.50)	64 (68.80)	
Initial Gn dose (IU)	300.00 (300.00, 300.00)	300.00 (300.00, 300.00)	0.01	300.00 (300.00, 300.00)	300.00 (300.00, 300.00)	<0.001
Total Gn dose (IU)	3675.00 (3025.00, 4200.00)	2700.00 (2325.00 3262.50)	<0.001	3750.00 (3150.00, 4200.00)	2550.00 (2250.00, 3075.00)	<0.001
Total Gn duration (days)	12.00 (10.00, 14.00)	9.00 (8.00, 11.00)	<0.001	12.00 (10.00, 14.00)	9.00 (8.00, 10.00)	<0.001
E2 on hCG day (pg/mL)	1079.00 (619.00, 1575.00)	857.00 (520.50, 1392.50)	0.08	964.00 (602.50, 1533.50)	769.00 (509.50, 1342.00)	0.15
<i>P</i> on hCG day (pg/mL)	0.60 (0.40, 0.80)	0.50 (0.40, 0.70)	0.02	0.60 (0.40, 0.80)	0.50 (0.40, 0.70)	0.12
No. of follicles on hCG day	4.00 (3.00, 6.00)	3.00 (2.00, 4.00)	<0.001	4.00 (3.00, 6.00)	3.00 (2.50, 5.00)	0.02
No. of ≥14 mm follicles on hCG day	4.00 (3.00, 6.00)	3.00 (2.00, 4.00)	<0.001	4.00 (3.00, 5.00)	3.00 (2.50, 5.00)	0.02
Fertilization method, <i>n</i> (%)			0.94			0.87
IVF	77 (72.00)	105 (72.40)		68 (73.10)	67 (72.00)	
ICSI	30 (28.00)	40 (27.60)		25 (26.90)	26 (28.00)	
No. of MII oocytes	5.00 (3.00, 7.00)	3.00 (2.00, 5.00)	<0.001	5.00 (3.00, 7.00)	4.00 (3.00, 5.00)	0
No. of 2PN embryos	4.00 (2.00, 6.00)	3.00 (2.00, 4.00)	<0.001	4.00 (2.00, 5.50)	3.00 (2.00, 4.00)	0.01

Normal 2PN embryos rate (%)	0.80 (0.63, 1.00)	0.75 (0.67, 1.00)	0.66	0.80 (0.62, 1.00)	0.75 (0.67, 1.00)	0.98
No. of cleavage embryos	4.00 (2.00, 5.00)	2.00 (2.00, 3.50)	<0.001	4.00 (2.00, 5.00)	3.00 (2.00, 4.00)	0.01
Normal cleavage rate (%)	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.32	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.32
No. of day 3 usable embryos	2.00 (2.00, 3.00)	2.00 (1.00, 3.00)	0.29	2.00 (1.50, 3.50)	2.00 (2.00, 3.00)	0.75
No. of day 3 good quality embryos	1.00 (1.00, 3.00)	1.00 (1.00, 2.00)	0.48	1.00 (1.00, 3.00)	1.00 (1.00, 2.00)	0.66
No. of embryo transfer	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.28	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.14
Blastocyst formation rate (%)	0.28 (0, 0.50)	0.42 (0, 0.72)	0.23	0.30 (0, 0.50)	0.50 (0, 0.73)	0.21
hCG positive, <i>n</i> (%)			0.07			0.29
Yes	48 (44.90)	49 (33.80)		37 (39.80)	30 (32.30)	
No	59 (55.10)	96 (66.20)		56 (60.20)	63 (67.70)	
Clinical pregnancy, <i>n</i> (%)			0.08			0.27
Yes	43 (40.20)	43 (29.70)		33 (35.50)	26 (28.00)	
No	64 (59.80)	102 (70.30)		60 (64.50)	67 (72.00)	

Abortion, <i>n</i> (%)			0.02			0.45
Yes	13 (30.23)	25 (58.14)		12 (36.40)	12 (46.20)	
No	30 (69.77)	18 (41.86)		21 (63.60)	14 (53.80)	
In the POSEIDON 3 group						
No. of cases	74	71		46	46	
Basal LH (IU/L)	2.69 (2.03, 3.60)	2.43 (1.86, 3.92)	0.94	2.69 (2.05, 3.58)	2.26 (1.83, 3.52)	0.12
FSH/LH ratio	2.63 (2.08, 3.27)	2.66 (2.07, 3.57)	0.58	2.63 (2.23, 3.26)	2.78 (2.17, 3.88)	0.38
Basal E2 (ng/mL)	34.50 (26.75, 46.00)	33.00 (24.00, 53.00)	0.92	33.50 (23.00, 46.50)	30.50 (24.00, 53.50)	0.53
Basal PRL (ng/mL)	15.08 (12.13, 21.02)	14.24 (10.53, 19.52)	0.16	14.77 (12.12, 20.07)	13.99 (10.61, 19.56)	0.48
BMI (kg/m ²)	20.70 (19.48, 22.51)	20.83 (19.03, 23.50)	0.49	20.82 (19.53, 22.40)	20.89 (19.03, 23.97)	0.50
Infertility duration (years)	3.00 (2.00, 5.00)	3.00 (2.00, 6.00)	0.99	3.00 (1.75, 6.00)	3.00 (1.00, 6.00)	0.84
Infertility type, <i>n</i> (%)			0.32			0.07

Primary infertility	43 (58.10)	47 (66.20)		27 (58.7)	36 (78.3)	
Secondary infertility	31 (41.90)	24 (33.80)		19 (41.3)	10 (21.7)	
Initial Gn dose (IU)	300.00 (225.00, 300.00)	300.00 (300.00, 300.00)	0.003	300.00 (250.00, 300.00)	300.00 (300.00, 300.00)	0.16
Total Gn dose (IU)	11.00 (10.75, 13.00)	10.00 (8.00, 11.00)	<0.001	11.00 (11.00, 13.00)	10.00 (8.75, 17.00)	<0.001
Total Gn duration (days)	3287.50 (2775.00, 3781.25)	2775.00 (2350.00, 3150.00)	<0.001	3300.00 (3000.00, 3918.75)	2700.00 (2381.25, 3150.00)	<0.001
E2 on hCG day (pg/mL)	1330.50 (835.75, 2174.00)	1034.00 (687.00, 1717.00)	0.04	1216.50 (743.75, 1846.75)	1045.50 (715.25, 1829.50)	0.52
P on hCG day (pg/mL)	0.60 (0.40, 0.80)	0.60 (0.40, 0.80)	0.64	0.60 (0.40, 0.80)	0.60 (0.40, 0.3)	0.90
No. of follicles on hCG day	5.00 (4.00, 7.00)	4.00 (2.00, 5.00)	<0.001	5.00 (3.00, 7.00)	4.00 (3.00, 5.00)	0.03
No. of ≥14 mm follicles on hCG day	5.00 (4.00, 7.00)	4.00 (2.00, 5.00)	<0.001	5.00 (3.00, 7.00)	4.00 (3.00, 5.00)	0.03
Fertilization method, <i>n</i> (%)			0.15			0.82
IVF	47 (63.50)	53 (74.60)		31 (67.4)	32 (69.6)	
ICSI	27 (36.50)	18 (25.40)		15 (32.6)	14 (30.4)	
No. of MII oocytes	6.00 (4.00, 9.00)	4.00 (3.00, 6.00)	<0.001	6.00 (3.00, 8.00)	4.00 (2.00, 5.25)	0.01

No. of 2PN embryos	4.00 (3.00, 7.00)	3.00 (2.00, 5.00)	0.002	4.00 (2.00, 6.00)	3.00 (2.00, 5.00)	0.07
Normal 2PN embryos rate (%)	0.75 (0.56, 0.86)	0.80 (0.60, 1.00)	0.09	0.76 (0.63, 1.00)	1.00 (0.97, 1.00)	0.50
No. of cleavage embryos	4.00 (3.00, 6.25)	3.00 (2.00, 5.00)	0.002	4.00 (2.00, 6.00)	3.00 (2.00, 4.25)	0.10
Normal cleavage rate (%)	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.25	0.79 (0.65, 1.00)	1.00 (1.00, 1.00)	0.08
No. of day 3 usable embryos	3.00 (2.00, 4.00)	3.00 (2.00, 4.00)	0.06	2.00 (1.75, 4.00)	2.00 (1.75, 4.00)	0.70
No. of day 3 good quality embryos	2.00 (1.00, 3.00)	2.00 (1.00, 3.00)	0.60	1.00 (0.75, 2.25)	1.00 (0.75, 3.00)	0.90
No. of embryo transfer	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.55	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.75
Blastocyst formation rate (%)	0.50 (0.33, 0.75)	0.50 (0.33, 0.67)	0.81	0.50 (0.29, 0.88)	0.50 (0.33, 0.80)	1.00
HCG positive, <i>n</i> (%)			0.38			0.53
Yes	46 (62.20)	39 (54.90)		27 (58.70)	24 (52.20)	
No	28 (37.80)	32 (45.10)		19 (41.30)	22 (47.80)	
Clinical pregnancy, <i>n</i> (%)			0.12			0.29
Yes	42 (56.80)	31 (43.70)		23 (50.00)	18 (39.10)	

No	32 (43.20)	40 (56.30)		23 (50.00)	28 (60.90)	
Abortion, <i>n</i> (%)			0.90			0.85
Yes	5 (11.90)	4 (12.90)		3 (13.00)	2 (11.10)	
No	37 (88.10)	27 (87.10)		20 (87.00)	16 (88.90)	
In the high AMH levels group						
No. of cases	93	68		47	47	
Basal LH (IU/L)	2.55 (1.94, 3.64)	2.92 (2.17, 3.84)	0.16	2.55 (1.94, 3.90)	2.68 (2.13, 3.49)	0.88
FSH/LH ratio	2.58 (2.02, 3.27)	2.58 (1.98, 3.14)	0.70	2.74 (2.02, 3.31)	2.58 (1.89, 3.23)	0.52
Basal E2 (ng/mL)	35.00 (26.50, 49.00)	29.00 (20.50, 43.00)	0.17	40.00 (27.00, 51.00)	30.00 (23.00, 45.00)	0.26
Basal PRL (ng/mL)	14.08 (10.73, 18.51)	12.73 (9.72, 19.30)	0.65	13.63 (9.87, 17.25)	11.42 (9.41, 17.58)	0.59
BMI (kg/m ²)	20.81 (19.52, 22.90)	21.52 (19.63, 24.15)	0.19	20.56 (19.43, 22.48)	21.56 (19.92, 24.9)	0.05
Infertility duration (years)	3.00 (2.00, 6.00)	3.00 (2.00, 6.00)	0.90	3.00 (2.00, 6.00)	4.00 (2.00, 6.00)	0.46

Infertility type, <i>n</i> (%)			0.29			0.83
Primary infertility	32 (34.40)	29 (42.60)		19 (40.40)	20 (42.60)	
Secondary infertility	61 (65.60)	39 (57.40)		28 (59.60)	27 (57.40)	
Initial Gn dose (IU)	300.00 (300.00, 300.00)	300.00 (300.00, 300.00)	0.30	300.00 (300.00, 300.00)	300.00 (300.00, 300.00)	0.58
Total Gn dose (IU)	3300.00 (3000.00, 4050.00)	2700.00 (2400.00, 3000.00)	<0.001	3500.00 (3000.00, 4200.00)	2700.00 (2400.00, 3000.00)	<0.001
Total Gn duration (days)	11.00 (10.00, 13.00)	9.00 (8.00, 11.00)	<0.001	12.00 (10.00, 14.00)	9.00 (9.00, 10.00)	<0.001
E2 on hCG day (pg/mL)	35.00 (26.50, 49.00)	1078.50 (657.00, 1763.25)	0.03	1282.00 (877.00, 1997.00)	1119.00 (749.00, 1825.00)	0.26
<i>P</i> on hCG day (pg/mL)	0.70 (0.50, 0.90)	0.50 (0.40, 0.80)	0.04	0.70 (0.50, 1.00)	0.50 (0.40, 0.80)	0.04
No. of follicles on hCG day	5.00 (4.00, 7.00)	4.00 (3.00, 6.00)	<0.001	5.00 (3.00, 7.00)	4.00 (3.00, 6.00)	0.10
No. of ≥14 mm follicles on hCG day	5.00 (4.00, 7.00)	4.00 (3.00, 6.00)	<0.001	5.00 (3.00, 7.00)	4.00 (3.00, 6.00)	0.10
Fertilization method, <i>n</i> (%)			0.65			0.82
IVF	66 (71.00)	46 (67.60)		33 (70.20)	34 (72.30)	
ICSI	27 (29.00)	22 (32.4)		14 (29.80)	13 (27.70)	

No. of MII oocytes	6.00 (4.00, 8.00)	4.00 (2.25, 6.00)	<0.001	5.00 (3.00, 7.00)	5.00 (3.00, 6.00)	0.10
No. of 2PN embryos	4.00 (3.00, 6.00)	3.00 (2.00, 4.75)	<0.001	4.00 (2.00, 7.00)	3.00 (2.00, 5.00)	0.08
Normal 2PN embryos rate (%)	0.77 (0.57, 0.96)	0.73 (0.52, 1.00)	0.76	0.80 (0.67, 1.00)	0.75 (0.60, 1.00)	0.79
No. of cleavage embryos	4.00 (2.50, 6.00)	3.00 (2.00, 4.00)	<0.001	4.00 (2.00, 6.00)	3.00 (2.00, 5.00)	0.13
Normal cleavage rate (%)	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.04	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.18
No. of day 3 usable embryos	3.00 (2.00, 4.00)	2.00 (2.00, 4.00)	0.47	3.00 (2.00, 3.00)	3.00 (2.00, 4.00)	0.41
No. of day 3 good quality embryos	2.00 (1.00, 3.00)	1.00 (1.00, 3.00)	0.70	1.00 (1.00, 3.00)	2.00 (1.00, 3.00)	0.56
No. of embryo transfer	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.64	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.80
Blastocyst formation rate (%)	0.33 (0, 0.52)	0.50 (0.24, 1.00)	0.05	0.29 (0.20, 0.50)	0.50 (0.20, 1.00)	0.14
hCG positive, <i>n</i> (%)			0.02			0.22
Yes	55 (59.10)	27 (39.70)		25 (53.20)	19 (40.40)	
No	38 (40.90)	41 (60.30)		22 (46.80)	28 (59.60)	
Clinical pregnancy, <i>n</i> (%)			<0.001			0.15

Yes	53 (57.00)	22 (32.40)		25 (53.20)	18 (61.70)	
No	40 (43.00)	46 (67.60)		22 (46.80)	29 (61.70)	
Abortion, <i>n</i> (%)			0.11			0.50
Yes	10 (18.90)	8 (36.40)		6 (24.00)	6 (33.30)	
No	43 (81.10)	14 (63.60)		19 (76.00)	12 (66.70)	
In the low AMH levels group						
No. of cases	88	148		80	80	
Basal LH (IU/L)	2.69 (2.12, 3.57)	2.63 (1.93, 3.74)	0.84	2.67 (2.09, 3.60)	2.82 (1.86, 3.89)	0.95
FSH/LH ratio	2.69 (2.15, 3.77)	2.89 (2.23, 3.87)	0.57	2.76 (2.19, 3.85)	2.73 (1.95, 3.54)	0.35
Basal E2 (ng/mL)	33.50 (26.00, 47.75)	32.50 (22.25, 46.00)	0.43	35.00 (26.00, 49.50)	33.50 (22.00, 47.00)	0.51
Basal PRL (ng/mL)	13.98 (9.82, 19.05)	12.46 (8.88, 19.14)	0.20	13.98 (9.91, 18.30)	11.44 (8.28, 16.15)	0.13
BMI (kg/m ²)	21.94 (20.02, 23.42)	21.73 (20.04, 23.44)	0.62	22.04 (20.58, 23.53)	22.03 (20.32, 23.75)	0.91

Infertility duration (years)	3.00 (2.00, 5.00)	3.00 (4.00, 6.00)	0.91	3.00 (2.00, 5.00)	3.00 (2.00, 6.00)	0.60
Infertility type, <i>n</i> (%)			0.40			0.75
Primary infertility	32 (36.40)	62 (41.90)		50 (62.50)	47 (58.70)	
Secondary infertility	56 (63.60)	86 (58.10)		30 (37.50)	33 (41.30)	
Initial Gn dose (IU)	300.00 (300.00, 300.00)	300.00 (300.00, 300.00)	0.86	300.00 (300.00, 300.00)	300.00 (300.00, 300.00)	0.07
Total Gn dose (IU)	3600.00 (3000.00, 4200.00)	2700.00 (2250.00, 3300.00)	<0.001	3750.00 (3025.00, 4200.00)	2700.00 (2250.00, 3375.00)	<0.001
Total Gn duration (days)	12.00 (10.00, 13.75)	9.00 (8.00, 11.00)	<0.001	12.00 (11.00, 14.00)	9.00 (8.00, 11.00)	<0.001
E2 on hCG day (pg/mL)	906.50 (599.25, 1534.50)	857.00 (547.75, 1361.50)	0.49	881.50 (594.50, 1465.00)	763.00 (516.00, 1427.75)	0.73
<i>P</i> on hCG day (pg/mL)	0.50 (0.40, 0.70)	0.50 (0.40, 0.70)	0.76	0.50 (0.40, 0.70)	0.50 (0.40, 0.70)	0.98
No. of follicles on hCG day	4.50 (3.00, 6.00)	3.00 (2.00, 4.00)	<0.001	4.00 (3.00, 5.00)	2.00 (3.00, 5.00)	0.01
No. of ≥14mm follicles on hCG day	4.50 (3.00, 5.75)	3.00 (2.00, 4.00)	<0.001	4.00 (3.00, 5.00)	2.00 (3.00, 5.00)	0.01
Fertilization method, <i>n</i> (%)			0.11			0.30
IVF	58 (65.9)	112 (75.00.)		53 (66.30)	59 (73.80)	

ICSI	30 (34.1)	36 (24.30)		27 (33.70)	21 (26.20)	
No. of MII oocytes	5.00 (3.00, 8.00)	4.00 (2.00, 5.00)	<0.001	5.00 (3.00, 7.00)	4.00 (2.00, 5.00)	0.01
No. of 2PN embryos	4.00 (2.00, 6.00)	3.00 (2.00, 4.00)	<0.001	4.00 (2.00, 5.00)	3.00 (1.25, 4.00)	0.01
Normal 2PN embryos rate (%)	0.83 (0.67, 1.00)	0.87 (0.67, 1.00)	0.19	0.80 (0.64, 1.00)	0.80 (0.67, 1.00)	0.76
No. of cleavage embryos	4.00 (2.00, 6.00)	2.00 (2.00, 4.00)	<0.001	3.50 (2.00, 5.00)	3.00 (1.25, 4.00)	0.01
Normal cleavage rate (%)	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.74	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.35
No. of day 3 usable embryos	2.00 (1.25, 4.00)	2.00 (1.00, 3.00)	0.09	2.00 (1.00, 4.00)	2.00 (1.00, 3.00)	0.43
No. of day 3 good quality embryos	1.00 (1.00, 3.00)	1.00 (1.00, 2.00)	0.43	1.00 (1.00, 2.75)	1.00 (1.00, 2.00)	0.93
No. of embryo transfer	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.43	1.00 (1.00, 1.00)	1.00 (1.00, 1.00)	0.31
Blastocyst formation rate (%)	0.48 (0, 0.69)	0.40 (0, 0.60)	0.77	0.48 (0, 0.68)	0.50 (0.33, 0.71)	0.48
hCG positive, <i>n</i> (%)			0.64			0.75
Yes	39 (44.30)	61 (41.20)		33 (41.30)	35 (43.80)	
No	49 (55.70)	87 (58.80)		47 (58.70)	45 (56.20)	

Clinical pregnancy, <i>n</i> (%)			0.85		0.72
Yes	32 (36.40)	52 (35.10)	26 (32.50)	30 (37.50)	
No	56 (63.60)	96 (64.90)	54 (67.50)	50 (62.50)	
Abortion, <i>n</i> (%)			0.15		0.14
Yes	8 (25.00)	21 (40.40)	7 (26.90)	14 (46.67)	
No	24 (75.00)	31 (59.60)	19 (73.10)	16 (53.33)	

Non-normally distributed data are presented as *n* (%) or median (interquartile ranges).

2PN: Two pronucleus; AMH: Anti-Müllerian hormone; BMI: Body mass index; E2: Estradiol; FSH: Follicle-stimulating hormone; Gn: Gonadotropin; GnRH: Gonadotropin releasing hormone;

GnRH-a: GnRH agonist; GnRH-ant: GnRH antagonist; hCG: Human choriogonadotropin; LH: Luteinizing hormone; MII: Meiosis II stage; POSEIDON: Patient Oriented Strategies

Encompassing Individualized Oocyte Number; PRL: Prolactin; PSM: Propensity score matching.