Supplemental Table 1. Characteristics of cycles by progesterone category and ovarian stimulation medication (lowest 10th percentile vs. normal)

	Clomiphene Cycles (n = 828)		p-value	Letrozole Cycles (n = 843)		p-value	Gonadotropin Cycles (n = 705)		p-value
Progesterone group (ng/mL)	≤15.8	>15.8		≤14.8	>14.8		≤9.1	>9.1	
n	83	745		84	759		71	634	
Age	32.9(4.4)	32.0(4.3)	0.091	32.9(4.5)	32.1(4.2)	0.110	32.4(4.1)	32.4(4.0)	0.716
BMI	32.8(8.6)	26.6(6.9)	<.001	31.3(9.2)	27.2(6.2)	<.001	30.0(7.1)	26.3(6.3)	<.001
#follicles ≥ 16 mm	1.5(0.7)	2.1(1.0)	<.001	1.5(0.7)	1.7(0.8)	0.022	1.9(1.1)	2.2(1.5)	0.058
Follicular phase length	13.6(2.5)	12.0(1.9)	<.001	12.3(2.4)	11.9(2.0)	0.300	12.6(2.7)	11.9(2.3)	0.005
AMH (ng/mL)	2.5(2.0)	2.7(2.2)	0.615	2.2(1.6)	2.6(1.9)	0.035	2.3(1.5)	2.5(2.0)	0.957
Duration infertility (months)	39.3(24.0)	34.2(24.3)	0.045	34.2(25.2)	34.8(25.7)	0.922	40.3(26.0)	35.2(26.4)	0.028
Peak estradiol	379.7(279.3)	653.4(379.0)	<.001	140.0(92.9)	164.7(113.1)	0.021	588.9(457.0)	747.9(506.4)	0.002
Peak estradiol/follicle ≥16 mm	271.4(144.0)	348.7(223.1)	0.004	108.9(86.1)	111.1(87.6)	0.689	326.4(214.1)	393.3(277.0)	0.059
Dose medication	572.3(132.6) (mg)	532.9(110.4) (mg)	0.001	28.6(6.0) (mg)	28.3(6.0) (mg)	0.439	788.0(642.0) (units)	635.2(385.1) (units)	0.049
Mid-luteal progesterone (ng/mL)	10.6(4.5)	43.5(25.3)		9.9(4.5)	32.7(15.3)		5.4(2.4)	38.5(33.1)	
*Day of progesterone	8.6(0.9)	8.7(0.8)	0.271	9.0(0.9)	8.8(0.8)	0.113	8.3(0.8)	8.7(0.8)	0.001
Achieved pregnancy n, (%)	4 (4.8)	89 (11.6)	0.064	2 (2.4)	75 (9.9)	0.026	6 (8.5)	115 (18.1)	0.040
Clinical Pregnancy n, (%)	1 (1.2)	60 (8.1)	0.024	2 (2.4)	54 (7.1)	0.109	6 (8.5)	80 (12.6)	0.309
Live birth n, (%)	1 (1.2)	60 (8.1)	0.024	2 (2.4)	53 (7.0)	0.158	6 (8.5)	79 (12.5)	0.325

Values are expressed as means (standard deviation). Comparisons between groups are by parametric or non-parametric tests as appropriate. Age, BMI, AMH, and duration of infertility are baseline characteristics. Other variables are cycle specific. *Day of progesterone is the interval between the day of progesterone blood draw and hCG injection.