

**Supplementary Table S1 Differences in insulin dynamics by menstrual cyclicity for hyperandrogenic PCOS.**

Variables	Menstrual cyclicity					P-value between groups (unadjusted for BMI)				P-value between groups (adjusted for BMI)						
	Poly (n = 10)	Ov-Eumeno (n = 25)	Anov-Eumeno (n = 33)	Early-Oligo (n = 31)	Late-Oligo (n = 119)	Ameno (n = 125)	Ameno vs. Poly	Ameno vs. Ov-Eumeno	Ameno vs. Anov-Eumeno	Ameno vs. Early-Oligo	Ameno vs. Late-Oligo	Ameno vs. Poly	Ameno vs. Ov-Eumeno	Ameno vs. Anov-Eumeno	Ameno vs. Early-Oligo	Ameno vs. Late-Oligo
<b>Peak INS</b> (µIU/ml)	98.1 ± 20.9	85.2 ± 25.9	110.1 ± 16.1	104.9 ± 16.4	101.7 ± 8.4	181.4 ± 14.5	<b>0.006</b>	<b>0.006</b>	<b>0.006</b>	<b>0.035</b>	<b>&lt;0.001</b>	0.270	<b>0.037</b>	0.230	0.165	<b>&lt;0.001</b>
<b>I-AUC</b> (mg/dl/120 min)	8049.4 ± 1153.3	6654.0 ± 1875.9	8575.2 ± 1251.8	7819.6 ± 1114.1	8001.8 ± 670.7	14899.6 ± 1261.0	<b>&lt;0.001</b>	<b>0.004</b>	<b>0.012</b>	<b>&lt;0.001</b>	0.278	<b>0.033</b>	0.184	0.098	<b>&lt;0.001</b>	

The measures of hyperinsulinemia (i.e. peak insulin and I-AUC) appeared to be higher among PCOS participants with Amenom and be lower among those with Ov-Eumeno, compared to other menstrual categories, and be similar among those with Poly compared to those with Anov-Eumeno, Early-Oligo or Late-Oligo. Amenom, amenorrhea; Anov-Eumeno, anovulatory eumenorrhea; I-AUC, AUC for insulin; INS, insulin; Oligo, oligomenorrhea; Ov-Eumeno, ovulatory eumenorrhea; PCOS, polycystic ovary syndrome. P values in italics and bold are considered statistically significant.