

## Supplementary material

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	Control group (n=19)	PCOS group (n=35)	P-value
Age [years]	24 (23-30)	25 (21-27)	0.51
BMI [kg/m <sup>2</sup> ]	22.39 (21.68-24.26)	24.2 (21 – 29.75)	0.59
Ferriman-Gallwey score	4 (2-5)	12 (8-15)	<0.001 *
Total ovarian volume [cm <sup>3</sup> ]	9.11 (7.6-12.51)	14.26 (11.13-17.72)	<0.001 *
Total ovarian follicle number	13 (11-16)	28 (21-32)	<0.001 *
LH [mIU/mL]	4.6 (3.9-5.91)	8.07 (3.58-10.47)	0.02 *
FSH [mIU/mL]	5.43 (4.26-6.48)	5.32 (4.04-5.71)	0.18
TT [ng/mL]	0.53 (0.36-0.58)	0.6 (0.46-0.72)	0.01 *
SHBG [nmol/L]	65.4 (47.25-93.26)	40.8 (22-55.9)	0.002 *
FAI	2.33 (1.53-3.86)	5.25 (3.32-8.38)	<0.001 *
DHEA-S [ug/dL]	235.25 (189.3-376.3)	364.7 (320.3-480.45)	0.006 *
17-OHP 0' [ng/mL]	1.03 (0.78-1.3)	1.7 (1.2-3.1)	0.002 *
17-OHP 60' [ng/mL]	3.4 (1.58-5.15)	4.5 (3.5-5.6)	0.38
Glucose 0' OGTT [mg/dL]	92 (89-95)	90 (83 – 95)	0.41
Glucose 60' OGTT [mg/dL]	101 (88-109)	148 (127-166)	<0.001 *
Glucose 120' OGTT [mg/dL]	91 (79-104)	110.5 (101-122)	<0.001 *
Insulin 0' OGTT [uIU/mL]	7.43 (6.78-9.6)	6.65 (4.9-8.4)	0.21
Insulin 60' OGTT [uIU/mL]	53.22 (36.2-61.62)	58.4 (43.5-76)	0.18
Insulin 120' OGTT [uIU/mL]	23.67 (20.3 – 30.78)	47.7 (34.4 – 62.1)	<0.001 *
HOMA-IR	1.62 (1.45-2.18)	1.46 (1.09-1.97)	0.17
Matsuda index	7.27 (6.28-8.98)	5.97 (5.03-6.93)	0.05

Values are expressed as median (interquartile range): \*  $P < 0.05$

Abbreviations: 17-OHP: 17-hydroxyprogesterone; BMI: body mass index; DHEA-S:

dehydroepiandrosterone sulfate; FAI: free androgen index; FSH: follicle-stimulating hormone;

HOMA-IR: homeostasis model assessment of insulin resistance; LH: luteinizing hormone; OGTT:

oral glucose tolerance test; PCOS: polycystic ovary syndrome; SHBG: sex hormone-binding globulin;  
TT: testosterone