

**Supplementary Table 6.** Changes in androgen concentrations in normal cycling non-PCOS women and PCOS women with advancing age and comparison of the variables within the same age group

Variable*	(N) ≤ 19 (60) $\bar{x} \pm SD$	(N) 20 – 24 (158) $\bar{x} \pm SD$	(N) 25 – 29 (301) $\bar{x} \pm SD$	(N) 30 – 34 (207) $\bar{x} \pm SD$	(N) 35 – 39 (70) $\bar{x} \pm SD$
<b>T (nmol/L)</b>					
Controls	0.9 ± 0.1	1.2 ± 0.1	1.1 ± 0.1	0.8 ± 0.1	0.8 ± 0.1
PCOS	2.0 ± 0.1	2.1 ± 0.8	1.8 ± 0.1	1.6 ± 0.7	1.6 ± 0.1
<b>p value**</b>	<0.001	<0.001	<0.001	<0.001	<0.001
<b>FT (nmol/dL)</b>					
Controls	1.4 ± 0.1	1.7 ± 0.1	1.8 ± 0.1	1.1 ± 0.1	1.1 ± 0.1
PCOS	3.8 ± 0.3	4.3 ± 0.5	3.5 ± 0.5	3.2 ± 0.6	3.0 ± 0.5
<b>p value**</b>	<0.001	<0.001	<0.001	<0.001	<0.001
<b>SHBG (nmol/L)</b>					
Controls	41.6 ± 1.5	54.1 ± 2.6	57.4 ± 3.2	54.9 ± 1.5	64.3 ± 4.5
PCOS	36.3 ± 0.1	33.1 ± 1.7	37.8 ± 3.1	36.9 ± 4.1	37.7 ± 4.5
<b>p value**</b>	<0.001	<0.001	<0.001	<0.001	<0.001
<b>FAI (%)</b>					
Controls	2.2 ± 0.2	2.1 ± 0.1	2.2 ± 0.3	1.4 ± 2.1	1.6 ± 0.1
PCOS	5.3 ± 1.8	6.6 ± 0.9	5.8 ± 0.8	4.9 ± 0.9	5.6 ± 1.1
<b>p value**</b>	0.002	<0.001	<0.001	<0.001	<0.001
<b>F (nmol/L)</b>					
Controls	378 ± 13	377 ± 27	326 ± 14	292 ± 16	313 ± 9
PCOS	401 ± 18	331 ± 16	335 ± 13	324 ± 12	293 ± 11
<b>p value**</b>	<0.001	<0.001	<0.001	<0.001	<0.001
<b>A4 (nmol/L)</b>					
Controls	4.4 ± 0.2	6.5 ± 0.3	5.5 ± 0.4	5.1 ± 0.3	4.3 ± 0.3
PCOS	10.5 ± 0.6	9.2 ± 0.5	9.1 ± 0.6	7.5 ± 0.6	7.5 ± 0.4
<b>p value**</b>	<0.001	<0.001	<0.001	<0.001	<0.001
<b>DHEA (nmol/L)</b>					
Controls	13.9 ± 1.6	18.5 ± 1.5	17.8 ± 1.9	14.9 ± 1.7	13.1 ± 1.6
PCOS	22.6 ± 1.4	20.1 ± 2.1	18.6 ± 1.6	15.1 ± 1.2	13.3 ± 0.9
<b>p value**</b>	0.088	<0.001	<0.001	0.674	0.262
<b>DHEAS (µmol/L)</b>					
Controls	3.9 ± 0.3	4.9 ± 0.2	4.1 ± 0.2	3.6 ± 1.7	3.7 ± 0.2
PCOS	5.8 ± 0.2	5.2 ± 0.2	4.9 ± 0.3	3.9 ± 0.2	3.8 ± 0.1
<b>p value**</b>	0.003	<0.001	<0.001	0.027	0.042
<b>17-OHP4 (nmol/L)</b>					
Controls	3.9 ± 1.2	3.1 ± 0.2	2.7 ± 2.1	3.1 ± 2.1	2.4 ± 0.1
PCOS	4.0 ± 1.5	5.1 ± 1.5	4.6 ± 1.1	3.2 ± 1.8	3.9 ± 1.1
<b>p value**</b>	<0.001	<0.001	<0.001	0.005	<0.001

\*T= total testosterone; FT= free testosterone; SHBG= sex hormone-binding globulin; FAI= free androgen index; F= cortisol; A4= androstenedione; DHEA= dehydroepiandrosterone; DHEAS= dehydroepiandrosterone sulfate; 17-OHP4= 17-hydroxyprogesterone;

\*\*Student t test; p-value= significance of the comparison of PCOS and control women within the same age groups