

Table 1. Age totals of women with PCOS

Age (years)	Infected		Uninfected patients (control grope)	
	Number	%	Number	%
18- 25	15	30%	8	32%
26-35	20	40%	8	32%
36-45	15	30%	9	36%
Total and percentage	50	100%	25	100%

Table 2. Percentage changes in some clinical signs of PCOS in women compared to the control group

Age (years)	Obesity %	Acne%	Galactorhea	Hirsutisim%	Irregular mens%
	Mean ±SD	Mean ±SD	Mean ±SD	Mean ±SD	Mean ±SD
18-25	81±0.33	78±0.46	34± 0.52	71±0.93	83±0.82
26-35	83±0.35	71± 0.44	31±0.53	73±0.94	87±0.85
36-45	81± 0.33	46± 0.3	32± 0.51	70±0.92	93±0.99
P value	N.S	p≤0.05	N.S	N.S	p≤0.05

Table 3. Changes in follicle-stimulating hormone (FSH) and luteinizing hormone (LH) levels in women with polycystic ovary syndrome compared to the control group.

Women	FSH MIU/ml	LH mIU/ ml
	Mean ±SD	Mean ±SD
Pcos	4.87±0.025	17.4±0.8a
Control	5.02±0.02	6.04±0.025
P	N.S	p≤0.05

Table 4. Changes in FSH and LH levels at different ages in women with polycystic ovary syndrome.

Ages	FSH MIU/ml	LH MIU/ml
	Mean $\pm$ SD	Mean $\pm$ SD
18- 25	15.15 $\pm$ 0.35	4.05 $\pm$ 0.55
26-35	15.45 $\pm$ 0.65	4.45 $\pm$ 0.45
36-45	17.2 $\pm$ 0.95	3.95 $\pm$ 0.25
P	p $\leq$ 0.05	P $\leq$ 0.05

Table 5. Changes in testosterone hormone levels and prolactin hormone levels in women with polycystic ovary syndrome compared to the control group.

Women	PRL level na/ml	Testosterone level na/ml
	Mean $\pm$ SD	Mean $\pm$ SD
Pcos	22.25 $\pm$ 0.55	1.42 $\pm$ 0.35
Control	9.02 $\pm$ 0.42	0.35 $\pm$ 0.085
P	p $\leq$ 0.05	P $\leq$ 0.05

Table 6. Changes in testosterone hormone and prolactin hormone levels at different ages for PCOS

Ages (years)	PRL levels na/ml	Testosterone levels na/ml
	Mean $\pm$ SD	Mean $\pm$ SD
18- 25	23.75 $\pm$ 0.95	1.05 $\pm$ 0.15
26-35	24.35 $\pm$ 0.25	0.96 $\pm$ 0.25
36-45	25.2 $\pm$ 0.9	1.02 $\pm$ 0.15
P	p $\leq$ 0.05	N.S

Table 7. Changes in thyroid-stimulating hormone (TSH) and triiodothyronine levels in women with polycystic ovary syndrome compared to a control group.

Women	TSH level mIU/ml	T3 level ng/dl
	Mean $\pm$ SD	Mean $\pm$ SD
Pcos	5.15 $\pm$ 0.15a	0.8 $\pm$ 0.2a
Control	2.55 $\pm$ 0.35	1.7 $\pm$ 0.3
P	p $\leq$ 0.05	P $\leq$ 0.05

Table 8. Changes in thyroid-stimulating hormone (TSH) and triiodothyronine (T3) levels in different ages with polycystic ovary syndrome (PCOS)

Ages (years)	TSH levels mIU/ml	T3 levels ng/dl
	Mean $\pm$ SD	Mean $\pm$ SD
18- 25	4.7 $\pm$ 0.4	0.66 $\pm$ 0.0025
26-35	4.95 $\pm$ 0.25	0.63 $\pm$ 0.00002
36-45	5.5 $\pm$ 0.2	0.62 $\pm$ 0.0015
P	N.S	N.S