

Results

Table (1) : Clinical data of both groups

Group Variables	Group (1) n=98 CC group	Group (II)n=98 CC+NAC group	P
Age (ys)	30.77 ± 2.3	28.35 ± 3.5	0.09
Weight (kg)	71.93 ± 10.9	72.44 ± 7.2	0.704
BMI(kg/m ²)	29.3 ± 3.9	31.7 ± 3.1	0.06
Waist / Hip ratio(WHR)	0.86 ± 0.07	0.86 ± 0.05	0.26
Period of infertility(ys)	3.52 ± 1.2	3.31 ± 1.3	0.27
Menstrual pattern: -Oligomenorrhea or amenorrhea -Eumenorrhea	65(66.3%) 33(33.7%)	71(72.4%) 27(27.6%)	0.35
Hirsutism	20(20%)	15(15.3)	0.71

Table 1 shows the clinical data of both groups. There was no statistically significant difference in age, weight, BMI, WHR, period of infertility, menstrual pattern or hirsutism .

Table (2) Ultrasonographic parameters and day of HCG administration of both groups

Group Variables	Group (1) n=98 CC group	Group (II) n = 98 CC + NAC group	P
Number of follicles \geq 18mm	2.1 \pm 1.5	4.9 \pm 1.5	< 0.001
Endometrial Thickness	5.3 \pm 1.4	6.27 \pm 1.19	< 0.017
Day of HCG administration	13.2 \pm 1.2	13.5 \pm 1.3	0.84

Test used is student t-test .

Table 2 shows U/S parameters and day of HCG administration in both groups. There was no statistically significant difference between both groups as regard the day of HCG administration, but the number of the follicle \geq 18mm & endometrial thickness were significantly higher in the CC Plus NAC group than in CC group.

Table (3) Outcome of therapy in both group

Group Variables	Group (I) n=98 CC group		Group (II) n=98 CC + NAC group		P
	No	%	No	%	
<u>Ovulation</u>					
Negative	82	83.67	50	51.1	< 0.001
Positive	16	16.03	48	48.9	
<u>Pregnancy</u>					
Negative	96	97.9	70	71.4	< 0.001
Positive	2	2.04	28	28.6	

Table 3 shows that, there was highly statistically significant difference in the rate of ovulation and pregnancy between both groups.

Table 4: comparison of clinical characteristics between responders and non – responders in NAC group

Group Variables	Responder n=48	Non-Responder n=50	P
Age (ys)	27.3 ± 3.2	28.8 ± 4.5	0.27
BMI (kg/m ²)	28.7 ± 3.6	29.2 ± 3.8	0.32
Waist / Hip ratio(WHR)	0.86 ± 0.09	0.86 ± 0.09	0.23
Period of infertility(ys)	2.9 ± 1.6	3.3 ± 1.2	0.16
Menstrual Pattern : (1) Oligomenorrhea or amenorrhea n =71 (2) Eumenorrhea n = 27	37 (77%) 11 (22.9%)	34(68%) 16(32)	0.35
Hirsutism n = 15	8 (16.6 %)	7 (14 %)	0.71

Table 4 shows that there were no significant difference between NAC responders and non – responders as regard age, BMI, WHR, period of infertility ,menstrual pattern or hirsutism . $p>0.05$.