RESULTS

Sixty pregnant women who were pregnant (41-42 weeks of gestation) were enrolled in this comparative clinical trial. No cases were withdrawn from the study. The studied subjects were those pregnant women admitted to the hospital for induction of labor for post date.

Table (2): Comparison between Foley's catheter group (Group I) and misoprostol group (Group II) according to demographic data

	Foley's catheter group (Group I)	Misoprostol Group (Group II)	**t**	**p**
Age (years)				
Mean ± SD	29.97 ± 4.4	28.5 ± 4.7	1.21	0.22
Range	22-36	19-37		
Weight (kg)				
Mean ± SD	72 ± 9.7	71.4 ± 10.7	0.25	0.8
Range	59-100	55-90		
Estimated gestational age				
Mean ± SD	41.3 ± 0.4	41.4 ± 0.5	0.61	0.39
Range	41-42	41-42		
Bishop score	4.5 ± 1.4	5.1 ± 1.3	1.72	0.09
Parity				
Primipara	7 (23.3%)	9 (30%)	$X^2 = 0.34$	0.55
Multipara	23 (76.7%)	21 (70%)		

This table shows that there was no statistical significant difference between the two groups as regards the mean age, weight, estimated gestational age and Bishop Score by using the student's t test. The Chi square test showed no statistical difference for parity ($P > 0.05$).

Table (3): Comparison between Foley's catheter group and misoprostol according to induction delivery interval (IDI).

	Foley's catheter group (Group I)	**Misoprostol group (Group II)**	**t**	**p**
Induction delivery interval (IDI) in hours.				
Mean ± SD	13.17 ± 4.2	19.48 ± 3.9	5.9	< 0.001
Range	0-18			

This table shows that the induction delivery interval was shorter for Foley's catheter group compared to misoprostol group.

Table (4): Comparison between Foley's catheter group and misoprostol according to the number of pregnant women in need for oxytocin.

Pregnant women given oxytocin	**Foley's catheter group (Group I)**	**Misoprostol group (Group II)**	χ^2	**p**
Number (%)	12 (40%)	10 (33%)	0.29	0.59

This table shows that there was no statistical significant difference between the two groups as regard the number of pregnant women in need for oxytocin ($p > 0.05$).

Table (5): Comparison between Foley's catheter group and the misoprostol group according to type of delivery, indications and number of caesarean section

	Foley's catheter group (Group I)		**Misoprostol group (Group II)**		χ^2	**p**
	No	**%**	**No**	**%**		
Normal vaginal delivery	27	90	24	80	0.5	0.4
Indications of CS						
Failure to progress	2	6.67	1	3.33	0.35	0.5
Failed induction	0	0	3	10	1.4	0.23
Fetal distress	1	3.33	2	6.67	0.35	0.5
Number of CS	3	10	6	20	0.5	0.4

This table shows that there were no statistical significant differences between the two groups as regard number of normal vaginal deliveries and indication of CS, but this table shows higher rate of caesarean section with no significant difference between the two groups ($p > 0.05$).

Table (6): Comparison between Foley's catheter group and misoprostol group according to complications

Complication	Foley's catheter group (Group I)	Misoprostol group (Group II)	χ^2	p
Fetal distress	1	2	0.35	0.5
Atonic uterus	2	2	0.0	1.0
Tachysystole	-ve	-ve	1	
Hyperstimulation	-ve	-ve	1	
Chorioamnonitis	-ve	-ve	1	
Uterine rupture	-ve	-ve	1	

This table shows that there were no statistical significant differences between the two groups according to types of complications ($p > 0.05$).

Neonatal outcome:

Table (7): Comparison between the study groups as regards neonatal Apgar score at one and five minutes

Apgar score	Foley's catheter Group (Group I)	Misoprostol Group (Group II)	t	p
At one minute				
Mean ± SD	8.4 ± 0.6	8.6 ± 1.13	0.84	0.39
At five minutes				
Mean ± SD	9 ± 0.5	9.3 ± 0.4	1.71	0.09

This table and figure (3) show that there were no statistical significant diffeerences between the two groups as regard to one and five minute Apgar score ($p > 0.05$).

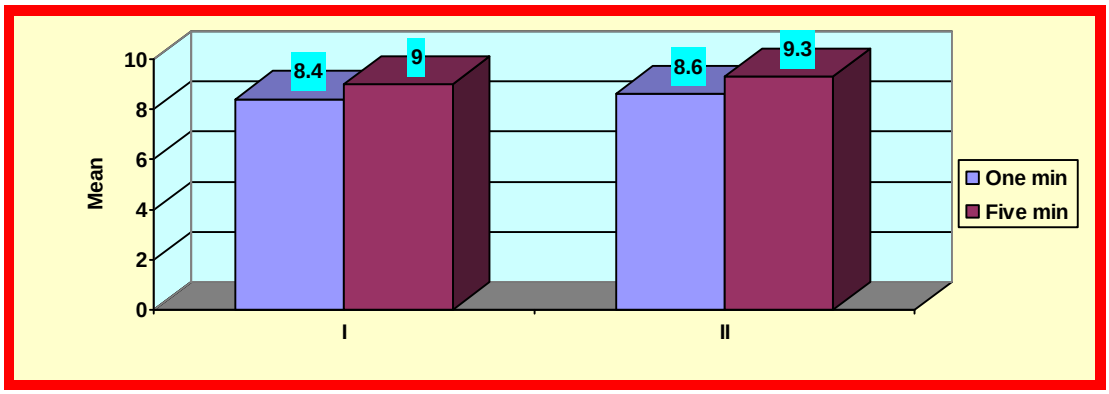

Figure (3): Comparison between the study groups as regards Apgar score at one and five minutes

Table (8): Comparison between the study groups as regards birth weight of neonatal outcome

Birth weight	Foley's catheter Group (Group I)	Misoprostol Group (Group II)	t	p
Mean ± SD	3.4 ± 1.0	3.3 ± 0.9	0.1	0.86
Range	3.0 - 3.95	2.95 - 3.95		

Regarding the mean birth weight, there was no statistical significnat difference between the two groups using the student's t test ($p > 0.05$) as shown in this table and figure (4).

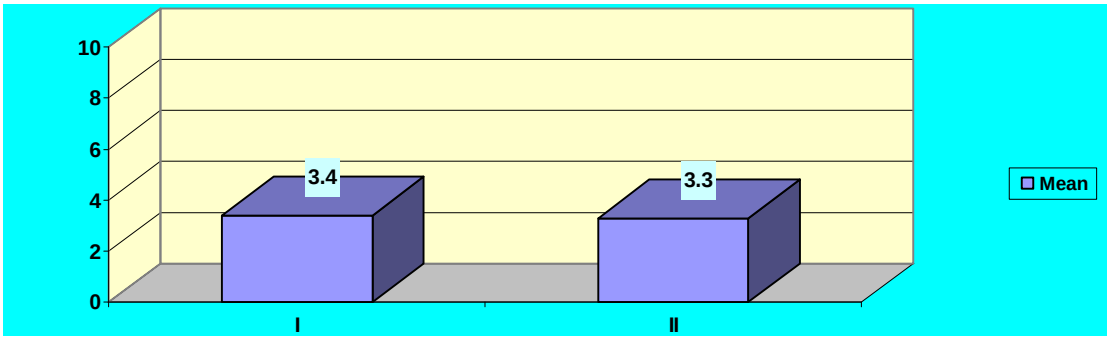

Figure (4): Comparison between the study groups as regards birth weight