

Table 1) Absolute and relative frequency (numbers in parentheses are percent) of demographic and clinical characteristics of the research units in the two groups (each group of 30)

Demographic Characteristics	Experimental Group	Control Group
Gender of Infant		
Girl	12(40.0)	11(36.7)
Boy	18(60.0)	19(63.3)
Type of Delivery		
Natural	19(63.3)	20(66.7)
Cesarean	11(36.7)	10(33.3)
Apgar Score		
Score 9	27 (90.0)	30(100)
Score 10	3(10.0)	0

Table 2) Comparison of the mean of behavioral and physiological responses of pain in newborns before and after intervention in the two groups (each group was 30)

Variables	Experimental Group	Control Group	Intergroup Significance Level
Neonatal Behavioral Responses			
After Intervention	8.00±0.17	8.73±0.17	0.008
Heart Rate Per Minute			
Before Intervention	141.50±19.50	141.96±17.98	0.52
After Intervention	143.30±12.96	153.73±2.96	0.03
Intragroup Significance Level	0.07	0.00001	-
Percentage of Arterial Oxygen Saturation			
Before Intervention	92.63±3.20	93.43±3.46	0.35
After Intervention	91.20±5.08	86.37±5.67	0.001
Intragroup Significance Level	0.16	0.0001	-