Table (1): Demographic characteristics of the studied groups.

Characteristic	Range (Mean ± SD)	Patients (n=30)	Controls (n=20)	P value
Age (days)	Range Mean ± SD	(3-7) 4.7±1.4	(1-7) 4±1.6	0.104
Sex	Male Female	12(40%) 18(60%)	8(40%) 12(60%)	1
Weight (gm)	Range Mean ± SD	(2350-3600) 2826.3±370.8	(2400-3500) 2930.5±290	0.295
GA (weeks)	Range Mean ± SD	(37-39) 38.1±0.6	(37-40) 38.2±0.7	0.643
Mode of delivery	VD CS	11(36.7%) 19(63.3%)	8(40%) 12(60%)	0.812
Maternal age (years)	Range Mean ± SD	(22-37) 26.3±3.7	(22-34) 27.2±3.1	0.377

*:Significant level at P value < 0.05,GA = Gestational Age, VD =Vaginal Delivery,CS = Cesarean section

Table (2): Comparison between patients and control groups as regards complete blood count elements.

Item	Range (Mean ± SD)	Patients (n=30)	Control (n=20)	P value
Hb (gm/dl)	Range Mean ± SD	(10.7-18) 14±1.8	(11.9-17.1) 14.2±1.5	0.705
Platelets (×10³)	Range Mean ± SD	(155-501) 284.5±87.1	(152-511) 297.1±98.5	0.637
TLC (×10³)	Range Mean ± SD	(8.9-18.3) 12.4±2.4	(9-19.1) 13.8±2.7	0.052

*: Significant level at P value < 0.05. Hb = Hemoglobin   TLC = Total Leukocytic Count   SD = Standard Deviation

Table (3) : Comparison between Patients and control groups as regard total and direct bilirubin.

Item	Range	Patients (n=30)	Control (n=20)	P value
Total bilirubin (mg/dl)	Range Mean ± SD	(18.5-24.6) 21.4±1.8	(1-2.5) 2 ±0.5	<0.001*
Direct bilirubin (mg/dl)	Range Mean ± SD	(0.8-2.6) 1.7±0.4	(0.1-0.8) 0.4±0.2	<0.001*

*: Significant level at P value < 0.05

Table (4): Comparison between Patients (Before phototherapy) and control groups as regard CD4 % , CD8% and CD4/CD8 ratio.

Item	Range	Patients (n=30)	Control (n=20)	P value
CD4 (%)	Range Mean ± SD	(32-60) 48.3±7.4	(28-59) 45.7±7.9	0.232
CD8 (%)	Range Mean ± SD	(21-32) 26.6±3.2	(22-34) 28±3.7	0.189
CD4/CD8	Range Mean ± SD	(1.4-2.4) 1.8±0.3	(1.1-2.4) 1.6±0.3	0.055

*: Significant level at P value < 0.05

Table (5): Comparison between Patients before and after phototherapy as regard CD4 % , CD8% and CD4/CD8 ratio.

Patients (n=30)	Range	Before phototherapy	After phototherapy	P value
CD4 (%)	Range Mean ± SD	(32-60) 48.3±7.4	(30-62) 46.7±8.3	0.161
CD8 (%)	Range Mean ± SD	(21-32) 26.6±3.2	(22-30) 26±2.4	0.366
CD4/CD8	Range Mean ± SD	(1.4-2.4) 1.8±0.3	(1.3-2.4) 1.8±0.3	0.719

*: Significant level at P value < 0.05