**Table (1): Comparison between group (I) and (II) regarding some demographic data:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **P-Value** | **Group II**  **N=30** | **Group I**  **N=50** | **Data** | |
| 0.5 | 28-42  35.2±3.8 | 26-38  34.8±3.4 | Range  Mean ±SD | **Gestational age (Wk.)** |
| 0.99 | 15 (50%)  15 (50%) | 25 (50%)  25 (50%) | Full term  Preterm | **Maturity** |
| 0.1 | 12(40%)  18(60%) | 29(58%)  21(42%) | Male  Female | **Sex** |
| 0.3 | 19-33  24.5±3.4 | 19-35  25.3±4.1 | Range  Mean ±SD | **Maternal age**  **(Year)** |
| 0.01\* | 1.6-3.8  2.8±0.6 | 1.2-4  2.4±0.6 | Range  Mean ±SD | **Birth weight**  **(Kg)** |
| 0.001\* | 43-60  53.2±4.6 | 40-56  47.2±3.8 | Range  Mean ±SD | **Length**  **(Cm)** |
| 0.0-4\* | 29-37  34.4±2.3 | 28-37  32.9±2.1 | Range  Mean ±SD | **HC**  **(Cm)** |
| 0.001\* | 8-10  8.1±0.4 | 3-8  5.9±1.8 | Range  Mean ±SD | **Apgar score at 1 min** |
| 0.001\* | 10-12  10.1±0.4 | 5-10  7.8±1.5 | Range  Mean ±SD | **Apgar score at5 min** |
| 0.7 | 17(56.7%)  13(43.3%) | 30(60%)  20(40%) | NVD  C.S | **Mode of delivery** |
| ------- | 0  30(100%) | 27(54%)  23(46%%) | YES  NO | **Prolonged labor** |
| -------- | 30(100%)  0 | 5(10.2%)  44(89.8%) | YES  NO | **Signs of vaginal**  **Infection** |
| --------- | 0  30(100%) | 35(70%)  15(30%) | Yes  No | **Admission** |

*Significant(p<0.05) NVD= normal vaginal delivery*

**Table (2): Some laboratory data for group (I) patients**

|  |  |  |
| --- | --- | --- |
| **Data** | | **Total  N=50** |
| **WBCs** | Range  Mean ±SD | 5.8-42.3  15.5±6.8 |
| **Hb**  **gm/dl** | Range  Mean ±SD | 11-21.4  16.02±2.6 |
| **Platelets**  **x103/cmm** | Range  Mean ±SD | 79-560  272.5±124.3 |
| **Neutrophil**  **x103/cmm** | Range  Mean ±SD | 1.9-24.3  5.2±3.8 |
| **Toxic granules** | Range  Mean ±SD | 1.2-18.6  7.4±5.1 |
| **Blood culture** | Positive  Negative | 13(26%)  1(2%) |
| **Serum HsCRP**  **(72h after labor)** | Positive  Negative | 4-41  44.28+24.5 |

**Table (3): Comparison between group (I), (II) regarding Cord IL-6 and Cord CRP.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data** | | **Group (I)**  **N=50** | **Group (II)**  **N=30** | **p-value** |
| **Cord IL-6**  **pg/ml** | Range  Mean ±SD | .8-9.5  5.3±5.6 | 20-178  80.1±42.1 | 0.001\* |
| **Cord CRP:**  **mg/l** | Range  Mean ±SD | 0-7  2.7±2.1 | 0-64  27.1±16.3 | 0.001\* |

\*= Significant(p<0.05).

**Table (4) : Comparison between infected and uninfected neonates of group I some laboratory data.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Group (I)**  **Infected patients**  **(N=20)** | **Group (II)**  **Non infected patients**  **(N=30)** | ***P* -value** |
| **Cord blood IL-6**  **(pg/ml)** | 118± 32 | 56.5± 24 | 0.001\* |
| **Cord blood CRP**  **(mg/l)** | 30.1± 10 | 25.4 ± 19.5 | 0.33 |
| **WBC** | 16.8± 8.3 | 12± 4.3 | 0.01\* |
| **Serum HsCRP after 72h**  **(mg/l)** | 54.9± 22.5 | 37.2± 23.5 | 0.01\* |

\*= Significant(p<0.05).

**Table (5): Correlation between laboratory data and cord IL-6 in group I**

|  |  |  |
| --- | --- | --- |
| **Data** | ***r*** | ***p-value*** |
| **WBCs** | 0.33 | 0.01\* |
| **Hb level** | 0.03 | 0.8 |
| **Platelets count** | -0.01 | 0.9 |
| **Neutrophil count** | 0.1 | 0.5 |
| **Toxic granules** | 0.46 | 0.001\* |
| **Cord CRP level** | 0.09 | 0.54 |
| **Serum HsCRP level after 72h** | 0.44 | 0.002\* |

\*= Significant(p<0.05).