**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 | 28-4235.2±3.8 | 26-3834.8±3.4 | RangeMean ±SD | **Gestational age (Wk.)** |
| 0.99 | 15 (50%)15 (50%) | 25 (50%)25 (50%) | Full termPreterm | **Maturity** |
| 0.1 | 12(40%)18(60%) | 29(58%)21(42%) | MaleFemale | **Sex** |
| 0.3 | 19-3324.5±3.4 | 19-3525.3±4.1 | RangeMean ±SD | **Maternal age****(Year)** |
| 0.01\* | 1.6-3.82.8±0.6 | 1.2-42.4±0.6 | RangeMean ±SD | **Birth weight****(Kg)** |
| 0.001\* | 43-6053.2±4.6 | 40-5647.2±3.8 | RangeMean ±SD | **Length****(Cm)** |
| 0.0-4\* | 29-3734.4±2.3 | 28-3732.9±2.1 | RangeMean ±SD | **HC****(Cm)** |
| 0.001\* | 8-108.1±0.4 | 3-85.9±1.8 | RangeMean ±SD | **Apgar score at 1 min** |
| 0.001\* | 10-1210.1±0.4 | 5-107.8±1.5 | RangeMean ±SD | **Apgar score at5 min** |
| 0.7 | 17(56.7%)13(43.3%) | 30(60%)20(40%) | NVDC.S | **Mode of delivery** |
| ------- | 030(100%) | 27(54%)23(46%%) | YESNO  | **Prolonged labor** |
| -------- | 30(100%)0 | 5(10.2%)44(89.8%) | YESNO | **Signs of vaginal****Infection** |
| --------- | 030(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** | RangeMean ±SD | 5.8-42.315.5±6.8 |
| **Hb****gm/dl** | RangeMean ±SD | 11-21.416.02±2.6 |
| **Platelets****x103/cmm** | RangeMean ±SD | 79-560272.5±124.3 |
| **Neutrophil****x103/cmm** | RangeMean ±SD | 1.9-24.35.2±3.8 |
| **Toxic granules** | RangeMean ±SD | 1.2-18.67.4±5.1 |
| **Blood culture** | PositiveNegative | 13(26%)1(2%) |
|  **Serum HsCRP****(72h after labor)** | PositiveNegative | 4-4144.28+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** | RangeMean ±SD | .8-9.55.3±5.6 | 20-17880.1±42.1 | 0.001\* |
| **Cord CRP:****mg/l** | RangeMean ±SD | 0-72.7±2.1 | 0-6427.1±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).