

**Soluble Interleukin-2 Receptor as a predictor
of neonatal Sepsis**

A Thesis

**submitted for partial fulfillment
of M.Sc. degree in Pediatrics**

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قرآن کریم

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وقل رب زدنی علماً

صَلَّى
عَلَيْهِ
الْعَظِيمُ

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LIST OF ABBREVIATIONS

- * sIL-2R : Soluble interleukin-2 receptor.
- * IFN- γ : Interferon-gamma.
- * G-CSF : Granulocyte-colony stimulating factor.
- * PMNs : Polymorph nuclear leucocytes
- * CFU-GM : Colony forming unit-Granulocytes
Monocytes.
- * LFA-1 : Lymphocyte function associated
antigen-1
- * ICAM : Intercellular adhesion molecules.
- * GBS : Group B streptococci
- * PROM : Premature rupture of membrane.
- * FMLP : Formyl leucyl-phenylalanine
- * LTB₄ : Leukotriene B₄
- * PAF : Platelet activating factor.
- * TNF α : Tumour necrosis factor alpha
- * NK cells : Natural killer cell.
- * TNF β : Tumour necrosis factor β

- *GM-CSF : Granulocyte-Macrophage-Colony stimulating factor
- * GTP : Gaunidine Triphosphate.
- * BPI : Bactericidal permeability increasing protein.
- * $1L-1\beta$: Interleukin- 1β
- * $1/T$: Immature/Total neutrophil ratio.
- * $1/M$: Immature/mature neutrophil ratio.
- * CRP : C-Reactive protein.
- * DIC : Disseminated intravascular coagulopathy
- * ESR : Erythrocyte Sedimentation rate.
- * $E\alpha_1, P1$: Elastase-alpha one proteinase inhibitor.
- * C_3 : Third component of the complement.
- * APC : Antigen presenting cells.
- * NEC : Necrotizing entero cabtis.
- * TCR : T-cell receptor.
- * HLTV-1 : Human lymphotropic virus-Type I