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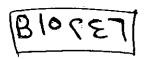
بالرسالة صفحات

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COEFECT CARGINATION

Study of Plasma Endothelin-1 and Interleukin-8 in Neonates with Respiratory Distress Syndrome and in Infants and Children with Bronchial Asthma



THESIS

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وَمَا تَشَاءُونَ إِلَّا أَنْ يَشَاءَ اللَّهُ إِلَّا أَنْ يَشَاءَ اللَّهُ إِنَّ اللَّهَ كَانَ عَلِيمًا حَكِيمًا

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TO THE SPIRIT OF MY FATHER

He taught me all my principles.

TO MY MOTHER

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TO MY WIFE

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ARABIC SUMMARY	

LIST OF ABBREVIATIONS

A/a-ratio : Arteriolar/alveolar oxygenation ratio.

ANP : Atrial natriuretic peptide.

ARDS : Adult respiratory distress syndrome.

BAL : Broncho-alveolar lavage.

BALF : Broncho-alveolar lavage fluid.

BHR : Bronchial hyper-responsiveness.

BPD : Broncho-pulmonary dysplasia.

CBC : Complete blood count.

CF : Cystic fibrosis.

CLD: Chronic lung disease.

CPAP : Continuos positive airway pressure.

CS: Cesarean section.

DIC : Disseminated intravascular coagulation.

DNA : Deoxy ribonucleic acid.

ECE : Endothelin converting enzyme.

ECM : Extra-cellular matrix.

EDRF : Endothelin derived relaxing factor.

EDTA: Ethyelene diamene tetra-acetate.

ELISA : Enzyme linked immunosorbent assay.

ENAP : Endothelial neutrophil activating peptide.

ET-1 : Endothelin-1.

ETT : Endotracheal tube.

FDA: Food and drug administration.

FEV1 : Forced expiratory volume in one second.

Fio₂: Fraction of inspired oxygen.

FRC : Functional residual capacity.

fmol/ml : femtomol/ml.

LIST OF ABBREVIATIONS (CONTINUED)

G-CSF : Granulocyte-colony stimulating factor.

GM-CSF : Granulocyte macrophage-colony stimulating factor.

Gm: Gram.

Hb: Haemoglobin.

Hr : hour.

HMD : Hyaline membrane disease.

IDM : Infant of diabetic mother.

IFN- γ : Interferon-gamma.

IgA :Immunoglobulin A.

IL-8 :Interleukin-8.

IL-1b :Interleukin-1 beta.

IPPV : Intermittent positive pressure ventilation.

IVH : Intraventricular hemorrhage.

LBW : Low birth weight.

LPS : Lipopolysaccharid.

L/S : Lecithin/Sphingomyelin.

M-CSF: Macrophage-colony stimulating factor.

MD NCF : Monocyte derived neutrophil chemotactic factor.

NAP : Neutrophil activating peptide.

NCF : Neutrophil chemotactic factor.

NEIN: Neuroendocrine immunologic network.

NO : Nitric oxide.

O₂ : Oxygen.

PDA: Patent ductus arteriosus.

PEEP : Positive end expiratory pressure.

PEFR: Peak expiratory flow rate.

PG: Phosphatidyl glycerol.

LIST OF ABBREVIATIONS(CONTINUED)

Pgm : Picogram.

 PGE_2 : Prostaglandin E_2 .

Pmol/l: Picomol/litre.

PROM: Prolonged rupture of membranes.

PVL: Periventricular leukomalecia.

RBCs : Red blood cells.

RDS: Respiratory distress syndrome.

RNA: Ribonucleic acid.

RR : Respiratory rate.

 $TGF-\beta$: Transforming growth factor-beta.

 $TNF-\alpha$: Tumor necrosis factor-alpha.

TTN: Transient tachypnea of newborn.

 TxA_2 : Thromboxan A_2 .

Ul: Microlitre.

WBCs: White blood cells.

WK: Week.

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