

**Evaluation of von Willebrand factor as a Marker
For early diagnosis of
Acute Respiratory Distress Syndrome (A.R.D.S) in
comparison to Interleukin 6**

*Thesis Submitted for Partial Fulfillment of
MD Degree in general Intensive care medicine*

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2016

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

فَالُوا سُبْحَانَكَ

لَا عِلْمَ لَنَا

إِلَّا مَا عَلَّمْتَنَا

إِنَّكَ أَنْتَ

الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم

سورة البقرة (الآية 32)



Acknowledgements

*First, and foremost, my deepest gratitude and thanks should be offered to **"ALLAH"**, the Most Kind and Most Merciful, for giving me the strength to complete this work.*

*I would like to express my sincere gratitude to **Prof. Mohammed Abd el Khalek Mohammed Ali** Professor of Anesthesiology and general Intensive Care medicine, Ain Shams University Faculty of Medicine, for his continuous support and guidance for me to present this work. It really has been an honor to work under his generous supervision.*

*I acknowledge with much gratitude to **Dr. Ehab Hamed Abd El-Salam** Assistant Professor of Anesthesiology and general Intensive Care medicine, Ain Shams University Faculty of Medicine for his great supervision, efforts and unlimited help to provide all facilities in the whole work.*

*My deepest appreciation is to **Dr. Walid Abdallah Ibrahim, and Dr. Dalia El Fawy** Lecturers of Anesthesiology and general Intensive Care medicine, Faculty of Medicine, Ain Shams University for their kind advices and great efforts throughout this work they never ending determination to bring the best out of this work.*

 **Samar Ibrahim Mahmoud aimer**

Dedication

*To soul of my father, who didn't deprive me his pray
for the length of his life*

To every patient who may need my help

Samar ibrahem mahmoud aimer

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Abbreviations

ADAMTS	: A Disintegrin And Metalloproteinase with Thrombo Spondin
AECC	: American European Consensus Conference
ALVEOLI trials:	Assessment of Low Tidal Volume and Elevated End-Expiratory Pressure to Obviate Lung Injury
APC	: Activated protein C
APRV	: Airway pressure-release ventilation
ARDS	: Acute respiratory distress syndrome
ARM	: Alveolar recruitment maneuvers.
ATI	: Type I pneumocytes
ATII	: Type II pneumocytes
AUC	: Area under the curve
BALF	: Broncho -alveolar lavage fluid
BIPAP	: Bi-level positive airway pressure
CAPs	: Channel activating proteases

COP	: Critical opening pressure
CPAP	: Continuous positive airway pressure
CPS	: Child Pugh score
DAD	: Diffuse alveolar damage-
ECMO	: Extracorporeal membrane oxygenation
ENaC	: Epithelial sodium channel
EVLW	: Extra-vascular lung water
GMCSF	: Granulocyte-macrophage colony stimulating factor
GP Ib, IIb	: Glycol protein Ib, IIb.
HARP study	: Hydroxymethylglutaryl-CoA reductase inhibition with simvastatin in Acute lung injury to Reduce Pulmonary dysfunction
HFOV	: High-frequency oscillatory ventilation),
HMGB1	: High Mobility Box-1 protein
HMGB-1	: Mobility group box-1 protein
ICAM-1	: Intercellular adhesion molecule-1
IIT	: Intensive insulin therapy

IPAP	: inspiratory positive airway pressure
IPF	: interstitial pulmonary fibrosis
IRDS	: Infant respiratory distress syndrome
KL-6	: Krebs von den Lungen 6
LBP	: Lipopolysaccharide binding protein
LPVS	: Lung-protective ventilatory strategy
MELD	: Model for End-Stage Liver Disease
MMP	: Matrix Metalloprotease
MMP-9	: Metallo-proteinases
NIH	: National Institutes of Health
NIV	: Noninvasive ventilation
NMBs	: Neuromuscular blockers
NO	: Nitric oxide
PAI-1	: Plasminogen activator inhibitor-1
PCP	: Procollagen peptide
PCWP	: Pulmonary capillary wedge pressure
RAGE	: Receptor for advanced glycation end-products

RMA	: Respiratory Management in Acute Lung Injury/Acute Respiratory Distress Syndrome
ROC curve	: Receiver operating characteristic curve
RR	: Respiratory rate
SPs	: Surfactant proteins
TFPI	: Tissue factor pathway inhibitor
TRALI	: Transfusion related acute lung injury
VEGF	: Vascular endothelial growth factor
VILI	: Ventilator-Induced Lung Injury
VOCs	: Volatile organic compounds
VWF	: Von Willebrand Factor

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