

Assessment of Pulmonary Hypertension in Critically Ill Pediatric Patients with Acute Respiratory Distress Syndrome (ARDS)

Thesis

Submitted for Partial fulfillment of Master Degree
in Pediatrics

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تقييم ارتفاع ضغط الدم الرئوى لدى الحالات الحرجة من الأطفال المصابين بمتلازمة الضائقة التنفسية الحادة

رسالة

توطئة للحصول على درجة الماجستير
فى طب الأطفال

مقدمة من

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بكالوريوس الطب والجراحة؛ ديسمبر، ٢٠٠٧

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قالوا

لَسْبَغَانِكَ لَا عِلْمَ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْعَظِيمُ

صدقة الله العظيم

سورة البقرة الآية: ٣٢



Acknowledgement

*First of all, great thanks to **GOD** who enabled us to complete this work, hoping to provide a useful guide to the scope of ARDS and pulmonary hypertension.*

*No words can express my deepest appreciation and profound respect to **Prof. Dr. Hanan Mohamed Ibrahim**, Professor of Pediatrics, Ain Shams University, for her continuous guidance, support through the work. She has generously devoted much of her time and her effort for planning and supervision of this study. It was great honor to work under her supervision.*

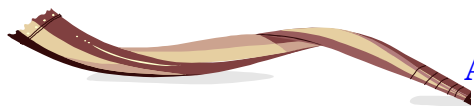
*Also, my profound gratitude to **Dr. Nevin Mohamed Mamdouh**, Assistant of Pediatrics, Ain Shams University, for her kind supervision and support to complete this work..*

*Also, my profound gratitude to **Dr. Marwa Moustapha Attia AL-Fahham**, Lecturer of Pediatrics, Ain Shams University for her kind supervision and support.*

Also a special thanks to all staff members of PICU Unit- Ain Shams University, for their continuous great support.

Also I don't forget my family, the best helper for me, their full support, prayers and wishes were a great motive to accomplish this work. My deepest gratitude to them and thanks will never appreciate what I owe them.

Lastly special thanks to my wife who supported me a lot.



Ahmed Gamal Ibrahim Yousif

Contents

Title	Page
List of Abbreviation.....	I
List of Figures.....	IV
List of Tables.....	VII
<i>Introduction</i>	
<i>Aim of the Work</i>	
<i>Review of Literature:</i>	
<i>Chapter ():</i> Acute Respiratory Distress Syndrome (ARDS).....	
<i>Chapter ():</i> Treatment of ARDS	
<i>Chapter ():</i> Pulmonary Hypertension	
<i>Patients and Methods</i>	
<i>Results</i>	
<i>Discussion</i>	
<i>Summary and Conclusion</i>	
<i>Recommendations</i>	
<i>References</i>	
<i>Arabic Summary</i>	—

List of Abbreviations

Abb.	Meaning
•-HTT	Serotonin transporter gene
AECC	The American-European Consensus Committee
ALI	Acute lung injury
ALK ^Δ	Activin-receptor-like kinase gene
AP	Acute pancreatitis
APAH	Associated Pulmonary arterial hypertension
ARDS	Acute respiratory distress syndrome
BALF	Bronchalveolar lavage fluid
BMPRI	Bone morphogenic protein receptor-
BMPRII	Bone morphogenetic receptor protein gene
BOOP	Bronchiolitis obliterans with organizing pneumonia
BPN	Bronchopneumonia
CDC	Center for Disease Control
cGMP	Cyclic guanosine monophosphate
CPS	Carbamyl-phosphate synthetase gene
CS	Cigarette smoke
CXR	Chest X-ray
DAD	Diffuse alveolar damage
DAHs	Diffuse alveolar hemorrhage syndrom
DIC	Disseminated intravascular coagulation
DVT	Deep venous thrombosis
ECG	Examination, electrocardiogram
ec-NOS	Nitric oxide synthase gene
EF	Ejection fraction
EGF	Epidermal growth factor
ET-Δ	Endothelin-
FIO ₂	Fractional concentration of oxygen in inspired air
FS	Fractional shortening
GER	Gastroesophageal reflux
HFOV	High frequency oscillatory ventilation
HFV	High-frequency Ventilation
HP	Hypersensitivity pneumonitis
ICU	Intensive care unite

Abb.	Meaning
IGF	Insulin like growth factor
IL-γ	Interleukin-
IL-$\gamma$$\beta$	IL- beta
ILD	Interstitial lung disease
INOS	Inducible nitric oxide synthesis
IPAH	Idiopathic Pulmonary arterial hypertension
MODS	Multiorgan dysfunction syndrome
MRSA	Methicillin-resistant S. aureus
NO	Nitric Oxide
NPPV	Non-invasive positive pressure ventilation
OLC	Open lung concept
PA pressure	Pulmonary arterial pressure
PAAT	Pulmonary artery acceleration time
PaO$_2$	Partial arterial pressure of oxygen
PAP	Pulmonary alveolar proteinosis
PASMC	Pulmonary artery smooth muscle cells
PASP	Pulmonary artery systolic pressure
PCH	Pulmonary capillary haemangiomatosis
PDE	Phosphodiesterase enzyme
PDE-α	PDE- isoenzymes.
PDGF	Platelet derived growth factor
PH	Pulmonary hypertension
PIP	Peak inspiratory pressure
PPHN	Persistent pulmonary hypertension of the newborn
Ppm	Part per million
PVOD	Pulmonary veno-occlusive disease
PVR	Pulmonary vascular resistance
PVRi	Pulmonary vascular resistance index
Qp	Transpulmonary flow
RAP	Right atrial pressure
RVSP	Right Ventricular systolic pressure
SD	Standar deviation.
SIMV-PC	Synchronized intermittent Mandatory ventilation – pressure controle
SIRS	Systemic onset inflammatory response

Abb.	Meaning
SL-selectin	Soluble L-selectin
SVR	Systemic vascular resistance
TNF-α	Tumour necrosis factor
TRALI	Transfusion-related acute lung injury
TRV	Tricuspid regurgitation velocity
TTE	Trans thoracic Echocardiography
TVIRVOT	Right ventricular outflow tract time-velocity integral
V	Velocity
V/Q	Ventilation/perfusion
VILI	Ventilation induced lung injury
VRE	Vancomycin-resistant enterococci
WHO	World Health Organization
Δp	Transpulmonary pressure gradient

List of Figures

Figure	Title	Page
Fig. (١)	Light Microscopy and Electron Microscopy during the Acute Phase (Panels A and D) and the Fibrosing-Alveolitis Phase (Panels B, C, and E) of Acute Lung Injury and the Acute Respiratory Distress Syndrome	
Fig. (٢)	An anteroposterior chest radiograph from a patient with ARDS associated with gram-negative sepsis who was receiving mechanical ventilation	
Fig. (٣)	High-resolution computed tomography scan of the chest, slice : ground-glass infiltrate and septal thickening predominantly in the upper thirds, as well as bilateral pleural effusion (a typical finding)	
Fig. (٤)	Pulmonary arterial hypertension: potential pathogenetic and pathobiological mechanisms	
Fig. (٥)	Electrocardiogram demonstrating the changes in a patient with pulmonary hypertension.	
Fig. (٦)	(B) Apical chamber view. Common echocardiographic findings in PAH	
Fig. (٧)	Determination of pulmonary artery pressure using Doppler echocardiography.	
Fig. (٨)	Images showing peak tricuspid regurgitant velocity (TRV) and right ventricular outflow time-velocity integral (TVIRVOT) in a patient with normal pulmonary vascular resistance (PVR).	

Figure	Title	Page
Fig. (٩)	Images showing TRV and TVIRVOT in a patient with elevated PVR.	
Fig. (١٠)	CXR of our patient number	
Fig. (١١)	The portable Vivid I machine (GE Vingnid ultrasound, Horten, Norway) and its probe (٥S).	
Fig. (١٢)	A: D echocardiography showing dilated right atrium (apical chamber view) in a patient with ARDS. B: Color flow Doppler showing severe tricuspid regurgitation in patient with ARDS (apical chamber view).	
Fig. (١٣)	CW Doppler showing increased TRV and elevated RVSP in a patient with ARDS (apical chamber view).	
Fig. (١٤)	RVOT/TVI detected by Pulsed wave Doppler at the level of RVOT (short axis parasternal view).	
Fig. (١٥)	Diastolic pulmonary artery pressure detected by pulsed wave Doppler at the level of pulmonary valve (short axis parasternal view).	
Fig. (١٦)	Gender distribution in the study population	
Fig. (١٧)	Percentage of indication for ICU admission among the studied population	
Fig. (١٨)	Percentage of studied population as regard the etiology of ARDS	
Fig. (١٩)	Box plot for ARDS score in the study group.	

Figure	Title	Page
	Box represents interquartile range. Horizontal line across box represents median. Error bars represent th and th percentiles	
Fig. (٢٠)	Box plot for pH at diagnosis and on echocardiography. Box represents interquartile range. Horizontal line across box represents median. Error bars represent th and th percentiles and marker lying beyond these limits represents an outlier	
Fig. (٢١)	Initial ventilation mode in the study population	
Fig. (٢٢)	Shows that of studied patients were ventilated on SIMV-PC during Echocardiography	
Fig. (٢٣)	Box plot showing PVR in controls and patients with ARDS	
Fig. (٢٤)	Box plot showing RVSP in controls and patients with ARDS	
Fig. (٢٥)	Prevalence of high RVSP in controls and patients with ARDS	
Fig. (٢٦)	Prevalence of high PVR in controls and patients with ARDS	
Fig. (٢٧)	Scatter plot for correlation between PIP on echocardiography and PVR	
Fig. (٢٨)	Kaplan-Meier Survival curves defined by etiology of ARDS. Vertical dashes along survival curves represent censored data.	

List of Tables

Table	Title	Page
Tab. (١)	Parameters used in the detection of the Lung injury score	
Tab. (٢)	Modified table showing common Causes and predisposing factors of acute respiratory distress syndrome	
Tab. (٣)	Summary of drugs used for treatment of pulmonary hypertension	
Tab. (٤)	Modified table showing revised WHO classification of PH:	
Tab. (٥)	Strength of Association	
Tab. (٦)	Descriptive data of the studied population	
Tab. (٧)	Percentage of indication for ICU admission among the studied population	
Tab. (٨)	Percentage of studied population as regards the etiology of ARDS	
Tab. (٩)	Distribution of ARDS score	
Tab. (١٠)	ABG parameters of studied population at time of diagnosis of ARDS	
Tab. (١١)	ABG parameters of studied population at time of echocardiography	
Tab. (١٢)	Description of Initial ventilator mode among studied population	
Tab. (١٣)	Description of ventilator mode among studied population on echocardiography	
Tab. (١٤)	Initial ventilator setting among studied population	

Table	Title	Page
Tab. (١٥)	Ventilator setting on echocardiography among studied population	
Tab. (١٦)	Left ventricular systolic functions dimentions among studied population	
Tab. (١٧)	Echocardiographic parameters assessing pulmonary hypertension and pulmonary vascular resistance among studied population	
Tab. (١٨)	Comparison between cases and control as regards PVR and RVSP	
Tab. (١٩)	Comparison between pulmonary systolic hypertension and PVR. In patients and control	
Tab. (٢٠)	Comparison of left ventricular systolic functions dimentions indices in survivors and non-survivors	
Tab. (٢١)	Comparison of various echocardiographic parameters indices assessing pulmonary hypertension and pulmonary vascular resistance in survivors and non-survivors	
Tab. (٢٢)	Comparison of left ventricular systolic functions dimentions indices in SIMV-PC mode and HFOV mode	
Tab. (٢٣)	Comparison of various echocardiographic parameters indices assessing pulmonary hypertension and pulmonary vascular resistance in SIMV-PC mode and HFOV mode	

Table	Title	Page
Tab. (۲۴)	Correlation among left ventricular systolic functions dimentions indices and ABG indices at diagnosis	
Tab. (۲۵)	Correlation among various echocardiographic parameters indices assessing pulmonary hypertension and pulmonary vascular resistance among studied population and ABG indices at diagnosis	
Tab. (۲۶)	Correlation among left ventricular systolic functions dimentions indices and ABG indices at echocardiographic examination	
Tab. (۲۷)	Correlation among various echocardiographic parameters indices assessing pulmonary hypertension and pulmonary vascular resistance among studied population and ABG indices at diechocardiography	
Tab. (۲۸)	Correlation among left ventricular systolic functions dimentions indices and initial ventilator setting	
Tab. (۲۹)	Correlation among various echocardiographic parameters indices assessing pulmonary hypertension and pulmonary vascular resistance among studied population and initial ventilator setting	

Table	Title	Page
Tab. (۳۰)	Correlation among left ventricular systolic functions dimensions indices and ventilator setting during echocardiography	
Tab. (۳۱)	Correlation among various echocardiographic parameters indices assessing pulmonary hypertension and pulmonary vascular resistance among studied population and ventilator setting during echocardiographic examination	
Tab. (۳۲)	Distribution of the studied cases as regards outcome measures	
Tab. (۳۳)	Survival analysis according to etiology of ARDS	
Tab. (۳۴)	Comparison of survival curves by etiology of ARDS (Log-rank test)	
Tab. (۳۵)	ARDS Score and PaO ₂ /FiO ₂ among survivors and Non-Survivors	