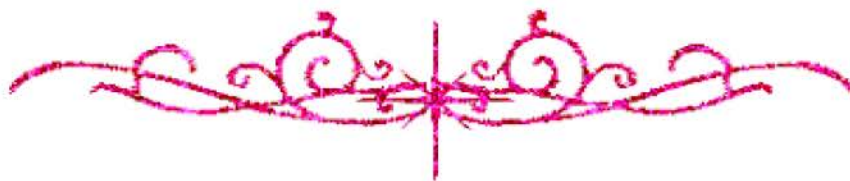


بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

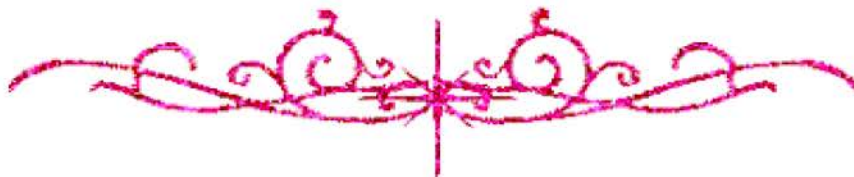
قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



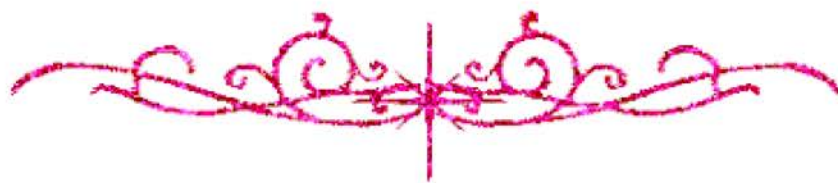
يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



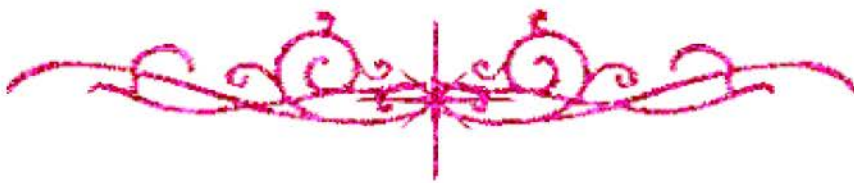


بالرسالة صفحات
لم ترد بالأصل





بعض الوثائق الأصلية تالفة



EVALUATION OF PREDICTORS OF WEANING IN MECHANICALLY VENTILATED PATIENTS

Thesis

Submitted for Partial Fulfillment of
Master Degree in
Chest Diseases

By

Iman Hassan El-Sayed Galal
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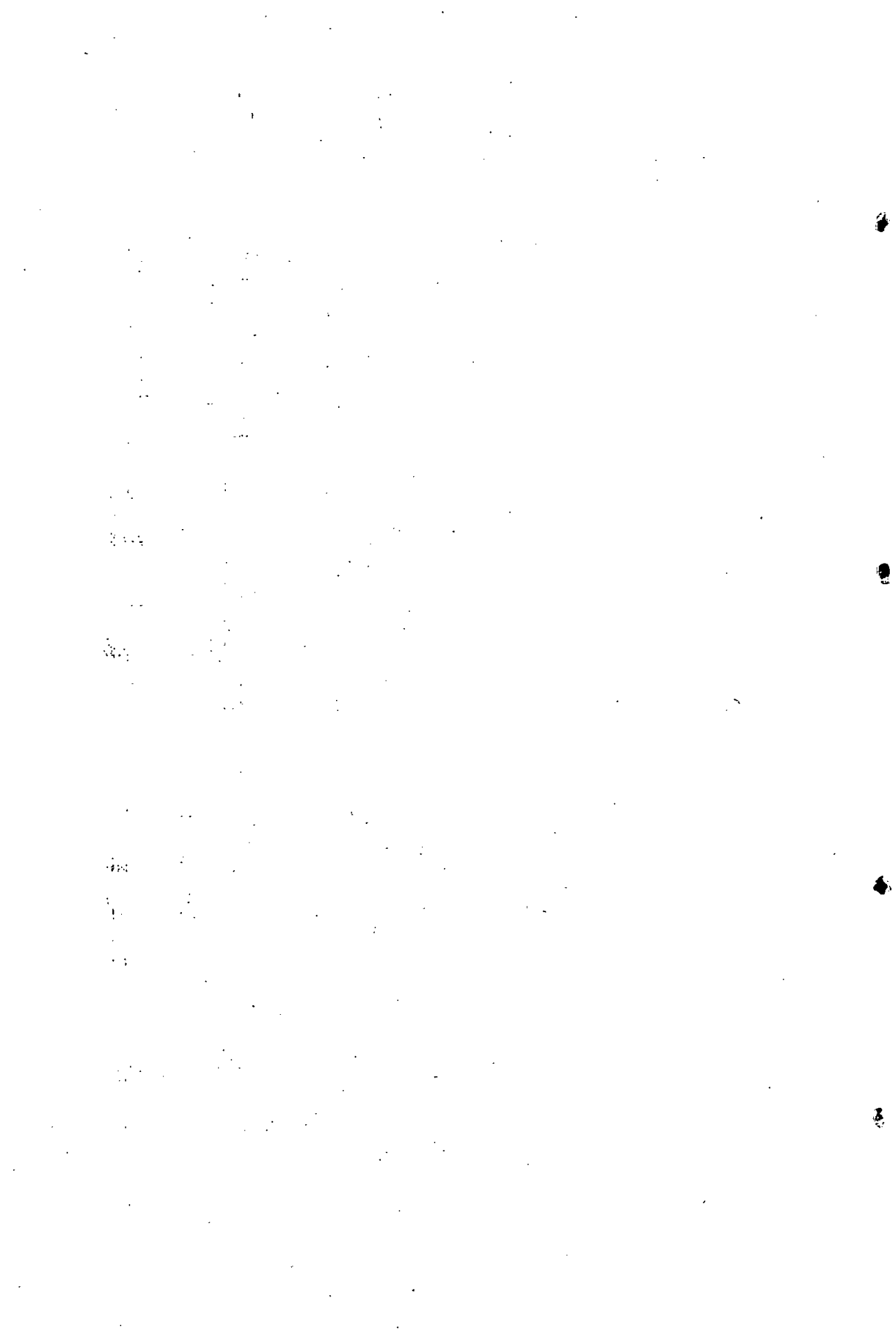
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I dedicate this work to my beloved parents, my dear brother and my best friends.

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LIST OF ABBREVIATIONS

ABG	Arterial blood gases
ABL	Acid-Base Laboratory
AC	Assist-control mode of mechanical ventilation
AMV	Assisted mechanical ventilation
APRV	Airway pressure release ventilation
ARDS	Adult respiratory distress syndrome
BiPAP	Bilevel positive airway pressure
Ca ⁺⁺	Calcium ion
CMV	Controlled mechanical ventilation (or) conventional mechanical ventilation (or) continuous mandatory ventilation.
CNS	Central nervous system
CO	Cardiac output
CO ₂	Carbon dioxide
COPD	Chronic obstructive pulmonary disease
CPAP	Continuous positive airway pressure
CROP	Dynamic compliance, rate, oxygenation and maximal pressure integrated index.
C _s dyn	Dynamic compliance
DLV	Differential lung ventilation
DMV	Duration (or) days of mechanical ventilation
DO ₂	Systemic oxygen delivery
ECCO ₂ R	Extracorporeal carbon dioxide removal
ECG	Electrocardiogram

EHFO	External high frequency oscillation
F	Frequency of respiration
F _c	Central frequency of respiration
FEV ₁	forced expiratory volume expired after the first second
FIO ₂	Fraction of inspired oxygen
FN	False negative
FP	False positive
FR	Respiratory frequency
FRC	Functional residual capacity
H ₂ O	Water molecule
H ₂ O ₂	Hydrogen peroxide
HFCWC	High frequency chest wall compression
HFJV	High frequency jet ventilation
HFO	High frequency oscillation
HFPPV	High frequency positive pressure ventilation
HFV	High frequency ventilation
I/E ratio	Inspiration/expiration ratio
ICU	Intensive care unit
IFR	Inspiratory flow ratio
IMV	Intermittent mandatory ventilation
IPEEP	Intrinsic positive end-expiratory pressure (= PEEP _i)
IPPV	Intermittent positive pressure ventilation
IRV	Inverse ratio ventilation
KPa	Kilopascal
LVF	Left ventricular failure
MIP	Maximal inspiratory airway pressure
MV	Mechanical ventilation

MVV	Maximal voluntary ventilation
NIP	Negative inspiratory pressure
O ₂	Oxygen
OH	Hydroxy group
P(A-a)O ₂	Alveolo-arterial oxygen tension difference
P0.1	Mouth (or) airway occlusion pressure 0.1 second after onset of inspiration
P0.1xRVR	Occlusion pressure index X rapid shallow breathing index
PACO ₂	Alveolar carbon dioxide tension
PaCO ₂	Arterial carbon dioxide tension
PAO ₂	Alveolar oxygen tension
PaO ₂	Arterial oxygen tension
PC-IRV	Pressure controlled inverse ratio ventilation
Pdi max	Maximal transdiaphragmatic pressure
Pdi	Mean transdiaphragmatic pressure
PEEP	Positive end-expiratory pressure
PEEPi	Intrinsic positive end-expiratory pressure (= IPEEP)
PEEPi,dyn	Dynamic intrinsic positive end-expiratory pressure
PEEPi,stat	Static intrinsic positive end-expiratory pressure
PEEP _{tot}	Total positive end-expiratory pressure
P _{ET} CO ₂	End-tidal carbon dioxide tension
PI	Mean inspiratory pressure
PIO ₂	inspiratory oxygen tension
PIP	Plateau inspiratory pressure
PP+ve	Positive predictive value
PP-ve	Negative predictive value

$P_{pl\ max}$	Maximal oesophageal pressure
P_{peak}	Peak airway pressure
P_{pl}	Plateau airway pressure
PSV	Pressure support ventilation
PTP _{di}	Pressure-time product for the overall inspiratory muscles
PTP _{di}	Pressure-time product for the overall inspiratory muscles
PVO ₂	Mixed venous oxygen saturation
Q	Blood flow
QS/QT	Shunt fraction (or) intrapulmonary right to left shunt
RICU	Respiratory intensive care unit
RL	Inspiratory pulmonary resistance
RR	Respiratory rate
RSBI	Rapid shallow breathing index
RVR	Respiratory rate/tidal volume ratio index
S	Success
SaO ₂	Arterial oxygen saturation
SIMV	Synchronized intermittent mandatory ventilation
TCD	Total compartmental displacement
Ti	Time of inspiration
TN	True negative
TP	True positive
TT _{di}	Tension-time index of the diaphragm
TTI	Tension-time index
T _{tot}	Total time of respiration
TVD	total ventilation days