Ain Shams University
Faculty Of Medicine
Department of Anaesthesia
And Intensive care



Neuropsychiatric Protection In Critically Ill Patients

An essay

Submitted For Partial Fulfillment Of the Requirements of Master Degree In General Intensive Care

BY

Hoda Salah AbdAlfattahHegazy

M.B.B.CH. Faculty of Medicine - Mansoura University

Supervisors

Prof. Bassem Boules Ghobrial

Professor of Anaesthesiology and Intensive Care Faculty of Medicine - AinShamsUniversity

Dr. Sanaa Mohammed Mohammed Alfawal

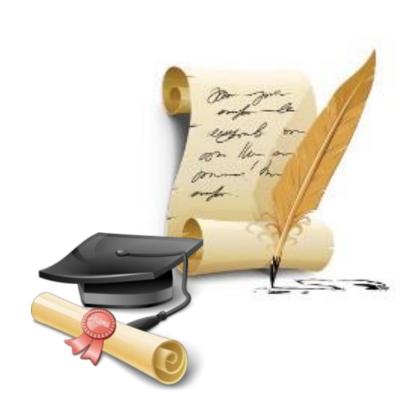
Lecturer of Anaesthesiology and Intensive Care Faculty of Medicine - Ain Shams University

Dr. DiaaEldinShalaby Mohammed Alawady

Lecturer of Anaesthesiology and Intensive Care Faculty of Medicine - Ain Shams University



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133Xe	Xenon
ACA	Anterior cerebral artery
ADP	Adenosine diphosphate
AICA	Anterior inferior cerebral artery
APC	Activated protein C
ApoE	Apolipoprotein E
ATP	Adenosine triphosphate
BBB	Blood brain barrier
BSA	Body surface area
CAMICU	Confusion Assessment Model for ICU
CBF	Cerebral blood flow
CMR	Cerebral metabolic rate
CMRO2	Cerebral metabolic rate oxygen consumption
CNS	Central nervous system
CO ₂	Carbon dioxide
CPP	Cerebral perfusion pressure
CPR	Cardiopulmonary resuscitation
CSF	Cerebrospinal fluid
CVP	Central venous pressure
CVR	Cerebral vascular resistance
D5%W	Dextrose 5% in water
DBP	Diastolic blood pressure
DSM-IV	Diagnostic and Statistical Manual of Mental Disorders
EAA	Excitatory amino acid
ECF	Extracellular fluid
ECG	Electrocardiogram
EDRF	Endothelium-derived relaxing factor
EEG	Electroencephalogram
Epo	Erythropiotien
GABA	Gamma-Aminobutyric Acid
HSSs	Hypertonic saline solutions
ICA	Internal carotid artery
ICDSC	Intensive Care Delirium Screening Checklist
ICP	Intracranial pressure
ICU	Intensive care unit

IL-1b	Interelukin 1b
MAP	Mean arterial pressure
MCA	Middle cerebral artery
MI	Myocardial infarction
MS	Multiple sclerosis
NAD	Nicotinamide adenine dinucleotide
NADH	Nicotinamide adenine dinucleotide reduced form
NMDA	N-methyl-D-aspartate
NO	Nitric oxide
NS	Normal saline
O_2	Oxygen
PaCO ₂	Arterial carbon dioxide partial pressure
PaO ₂	Arterial Oxygen partial pressure
PCA	Posterior cerebral artery
PCr	Phosphocreatine
PCWP	Pulmonary capillary wedge pressure
PET	Positron emission tomography
PICA	Posterior inferior cerebral artery
PKB	Protein kinase B
RASS	Richmond Agitation- Sedation Scale
SAS	Ricker Sedation-Agitation Scale
SBP	Systolic blood pressures
SCA	Superior cerebellar artery
SCCM	The Society of Critical Care Medicine
SIADH	The syndrome of inappropriate anti-diuretic hormone secretion
TBI	Traumatic brain injury
TNF	Tumor necrosis factor
VF	Ventricular fibrillation



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Introduction

