

**Assessment of Usefulness of S100B  
Protein as a Predictor Factor of Delayed  
Encephalopathy in Acute Carbon Monoxide  
Poisoning: Prospective Study in the Poison  
Control Center, Ain Shams University  
(PCCA)**

**Thesis**

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

# قالوا

سبحانك لا علم لنا  
إلا ما علمتنا إنك أنت  
العليم العظيم

صدق الله العظيم

سورة البقرة الآية: ٢٢

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## List of Abbreviations

<b>Abb.</b>	<b>Full term</b>
<b>ABG</b>	Arterial blood gases
<b>ABL</b>	Advanced Bioscience Laboratories
<b>ALT</b>	Alanine aminotransferase
<b>ANOVA</b>	Analysis of variance
<b>AST</b>	Aspartate aminotransferase
<b>ATA</b>	Atmosphere Absolut
<b>ATP</b>	Adenosine triphosphate
<b>ATSDR</b>	Agency for Toxic Substances and Disease Registry
<b>AUC</b>	Area under the curve
<b>BNP</b>	B-type natriuretic peptide
<b>CBC</b>	Complete blood count
<b>CK</b>	Creatine kinase
<b>CNS</b>	Central nervous system
<b>CO</b>	Carbon monoxide
<b>CONSB</b>	Carbon Monoxide Neuropsychological Screening Battery
<b>CPK-BB</b>	Creatine phospho kinase-brain
<b>CPK-MB</b>	Creatine Phospho kinase- cardiac muscle
<b>CPK-MM</b>	Creatine phospho kinase – skeletal muscle
<b>CSF</b>	Cerebrospinal fluid
<b>CT</b>	Computed tomography

<b>Abb.</b>	<b>Full term</b>
<b>CV</b>	Coefficient of variation
<b>CVS</b>	Cardiovascular
<b>CWM</b>	Cerebral white matter
<b>D.BP</b>	Diastolic blood pressure
<b>DIC</b>	Disseminated intravascular coagulopathy
<b>DNS</b>	Delayed neuropsychiatric syndrome
<b>DSM</b>	Diagnostic and Statistical Manual of Mental Disorders
<b>DWI</b>	Diffusion weighted magnetic- resonance imaging.
<b>ECG</b>	Electrocardiography
<b>EPO</b>	Erythropoietin
<b>ER</b>	Emergency room
<b>F</b>	Variance ratio calculated by ANOVA one-way statistical analysis
<b>GB</b>	Globus pallidus
<b>GCS</b>	Glasgow coma score
<b>GIT</b>	Gastrointestinal
<b>HbCO</b>	Carboxyhemoglobin
<b>HBO</b>	Hyperbaric oxygen
<b>HCMC</b>	Hennepin County Medical Center
<b>HPA</b>	Health Protection Agency
<b>HRP</b>	Horseradish Peroxidase
<b>ICU</b>	Intensive care unit

<i>Abb.</i>	<i>Full term</i>
<b>INR</b>	International normalization ratio
<b>IP</b>	In patient
<b>LV</b>	Left ventricle
<b>M.V</b>	Mechanical ventilation
<b>MBP</b>	Myelin basic protein
<b>MMSE</b>	Mini mental status examination
<b>MPV</b>	Mean platelet volume
<b>MQ</b>	Memory quotient
<b>MRI</b>	Magnetic resonance imaging
<b>MRS</b>	Magnetic resonance spectroscopy
<b>n</b>	Number of patients
<b>NAA</b>	N-acetyl aspartate
<b>NBO</b>	Normobaric oxygen
<b>NO</b>	Nitric oxide
<b>NSE</b>	Neuron specific enolase
<b>OD</b>	Optical density
<b>PaCO<sub>2</sub></b>	Partial arterial carbon dioxide pressure
<b>PaO<sub>2</sub></b>	Partial arterial oxygen pressure
<b>PCCA</b>	Poison Control Center of Ain Shams University
<b>PSS</b>	Poisoning Severity Score
<b>PT</b>	Prothrombin time
<b>PTT</b>	Partial thrombin time
<b>RAGE</b>	Receptor for Advanced Glycation End Products



<i>Abb.</i>	<i>Full term</i>
<b>ROC</b>	Receiver Operating Characteristic
<b>ROS</b>	Reactive oxygen species
<b>RR</b>	Respiratory rate
<b>S.BP</b>	Systolic blood pressure
<b>SaO<sub>2</sub></b>	Oxygen saturation
<b>SCID</b>	Structured Clinical Interview for DSM Disorder
<b>SD</b>	Standard deviation
<b>SIRS</b>	Systemic inflammatory response syndrome
<b>tPA</b>	Tissue-type plasminogen activator
<b>WMS</b>	Wechsler Memory Scale

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