

**B-type Natriuretic Peptide (BNP) and Troponin I (TnI)
As Possible Predictive Biomarkers for Cardiotoxicity
Induced by Tricyclic Antidepressant and
Antipsychotics Overdose**

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

سببنا أنك لا تعلم لنا
إلا ما علمتنا إنك أنت
العليم العظيم

صدق الله العظيم

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List of Abbreviations

Abb.	Full term
°C	<i>Degree Celsius</i>
ABG	<i>Arterial blood gases</i>
ADHF.....	<i>Acute Decompensated Heart Failure</i>
ALT	<i>Alanine aminotransferase</i>
ANP.....	<i>Atrial natriuretic peptide</i>
Aps	<i>Antipsychotics</i>
ARDS	<i>Acute respiratory distress syndrome</i>
AST	<i>Aspartate aminotransferase</i>
AVP.....	<i>Arginine vasopressin</i>
BEP.....	<i>Brugada electrocardiographic pattern</i>
BMI.....	<i>Body mass index</i>
BNP	<i>B-type natriuretic peptide</i>
CAs.....	<i>Cyclic antidepressants</i>
CK.....	<i>Creatine kinase</i>
CNP	<i>C-type natriuretic peptide</i>
CNS	<i>Central nervous system</i>
COPD.....	<i>Chronic obstructive pulmonary disease</i>
cTn	<i>Cardiac troponins</i>
CVS.....	<i>Cardiovascular system</i>
DBP.....	<i>Distolic Blood Pressure</i>
ECG	<i>Electrocardiogram</i>
ECT.....	<i>Electroconvulsive therapy</i>
EF	<i>Ejection fraction</i>
ELISA.....	<i>Enzyme Linked Immunosorbent Assay</i>
EPS.....	<i>Extrapyramidal syndrome</i>
FMO.....	<i>Flavin-containing monooxygenase</i>

List of Abbreviations (Cont...)

Abb.	Full term
<i>HF</i>	<i>Heart failure</i>
<i>H-FABP</i>	<i>Heart-type fatty acid binding protein</i>
<i>HRP</i>	<i>Horseradish peroxidase</i>
<i>ICU</i>	<i>Intensive Care Unit</i>
<i>IL</i>	<i>Interleukin</i>
<i>ILE</i>	<i>Intravenous lipid emulsion</i>
<i>IVP</i>	<i>Intravenous push</i>
<i>K</i>	<i>Potassium</i>
<i>LV</i>	<i>Left ventricular</i>
<i>LVEF</i>	<i>Left ventricular ejection fraction</i>
<i>MAP</i>	<i>Mean arterial pressure</i>
<i>mEq / L</i>	<i>Milliequivalent / liter</i>
<i>mg</i>	<i>Milligram</i>
<i>mg / dl</i>	<i>Milligram / deciliter</i>
<i>MI</i>	<i>Myocardial infarction</i>
<i>mmHg</i>	<i>Millimeter mercury</i>
<i>mmol / L</i>	<i>millimol / liter</i>
<i>MPO</i>	<i>Myeloperoxidase</i>
<i>msec</i>	<i>Millisecond</i>
<i>NAFLD</i>	<i>Non-alcoholic fatty liver disease</i>
<i>NE</i>	<i>Norepinephrine</i>
<i>NMS</i>	<i>Neuroleptic malignant syndrome</i>
<i>PCC-ASUH</i>	<i>Poison Control Center of Ain Shams University Hospitals</i>
<i>Pg / mL</i>	<i>Picogram / milliliter</i>
<i>PSS</i>	<i>Poisoning severity score</i>

List of Abbreviations (Cont...)

Abb.	Full term
<i>RAD</i>	<i>Right-axis deviation</i>
<i>RBS</i>	<i>Random blood sugar</i>
<i>RV</i>	<i>Right ventricular</i>
<i>SBP</i>	<i>Systolic Blood Pressure</i>
<i>TCA</i> s	<i>Tricyclic antidepressants</i>
<i>TdP</i>	<i>Torsades de Pointes</i>
<i>TNF</i>	<i>Tissue necrosis factor</i>
<i>VF</i>	<i>Ventricular fibrillation</i>