

STUDY ON SERUM CREATINE KINASE LEVEL AND ITS ISOENZYMES IN NEONATAL SEPSIS

THESIS

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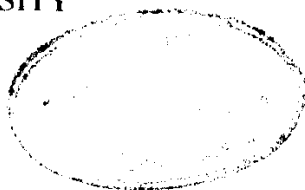
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سُبْحَانَكَ اللَّهُمَّ لَنَا إِلَٰهٌ غَيْرُكَ
إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

اللَّهُ
صَلَّى
الْعَظِيمُ

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To My Parents and Sisters
To My dear husband
and precious Sons.

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LIST OF ABBREVIATIONS

ADP	Adenosine diphosphate.
ANOVA	Analysis of variance
ATP	Adenosine triphosphate.
C ₃	Complement
CBC	Complete blood picture.
CK	Creatine kinase
CK ₁	Creatine kinase BB
CK ₂	Creatine kinase MB
CK ₃	Creatine kinase MM.
CPK	Creatine phosphokinase
CNS	Central nervous system
CRP	C- reactive protein
C.S	Cesarean section
CSF	Cerebrospinal fluid.
CT	Computed tomography
CVA	Cerebrovascular accident
d	day.
DIC	Disseminated intravascular coagulation
E.coli	Escherichia coli.
EEG	Electroencephalogram.
Eosino	Eosinophil
ESR	Erythrocyte sedimentation rate.
F	Female.

Hb	Haemoglobin percent.
I/T	Immature / Total
IM	Intramuscular
IV	Intravenous
IVIG	Intravenous Immunoglobulins
Kg	Kilogram
Lymph	Lymphocyte.
M	Male.
Mono	Monocyte
N	Normal
Neut	Neutrophil
NEC	Necrotizing enterocolitis
NICU	Neonatal Intensive care unit.
NVD	Normal vaginal delivery.
PMNS	Polymorphonuclear leukocyte.
PVH	Periventricular Hemorrhage
RBC	Red blood cells.
RES	Reticulo-endothelial system.
SD	Standard deviation
SF	Spinal fluid.
WBC	White blood cells.
WK	Week
VLBW	Very low birth weight
\bar{X}	mean.

Table (19) Analysis of Variance between two subgroups (Π_a and Π_b)

Parameters	F Ratio	"P" value	Significant or Not
1) CPK (Total)	67.63	< 0.001	Highly Significant
2) Lymphocyte	8.873	< 0.01	Highly Significant
3) CK- MB	7.505	< 0.01	Highly Significant
4) MCHC	2.426	> 0.05	Not Significant
5) Weight	2.412	> 0.05	Not Significant
6) WBC	0.180	> 0.05	Not Significant
7) Platelets	1.677	> 0.05	Not Significant
8) MCV	0.512	> 0.05	Not Significant
9) Hct	0.292	> 0.05	Not Significant
10) Neutrophil	1.485	> 0.05	Not Significant
11) Band	0.331	> 0.05	Not Significant
12) Hb	1.237	> 0.05	Not Significant
13) Monoctye	0.984	> 0.05	Not Significant
14) Esinophil	1.655	> 0.05	Not Significant
15) CRP	0.489	> 0.05	Not Significant
16) RBC	0.029	> 0.05	Not Significant

P. 84 Actual mean subgroup Π_a 1516.2subgroup Π_b 156.74

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