

# ***An Immunological Study In Childhood Epilepsy***

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ

لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا

إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ

سورة البقرة، آية ٣٢



*To my family.*





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## LIST OF ABBREVIATIONS

5-HT	= 5-hydroxy tryptamine.
ACTH	= Adrenocorticotrophic hormone.
ATP	= Adenosine triphosphate.
C <sub>3</sub> , C <sub>4</sub>	= Complement components C <sub>3</sub> & C <sub>4</sub> .
Ca	= Calcium.
CAE	= Childhood absence epilepsy.
Cl	= Chloride.
CNS	= Central nervous system.
CRH	= Corticotropin-releasing hormone.
CRP	= C-reactive protein.
CSF	= Cerebrospinal fluid.
CT	= Computerized tomography.
EEG	= Electroencephalogram.
FH	= Family History
GABA	= $\gamma$ -aminobutyric acid.
GAD	= Glutamic acid decarboxylase.
Hb	= Hemoglobin.

### List of Abbreviations

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HLA	= Human leukocytic antigen.
HS	= Highly significant.
ICA	= Islet cell cytoplasmic antibodies.
IDDM	= Insulin dependent diabetes mellitus.
Ig	= Immunoglobulin.
IGE	= Idiopathic generalized epilepsy.
IgG, A, M	= Immunoglobulins G, A & M.
ILAE	= International League Against Epilepsy.
IQ	= Intelligent quotient.
IV Ig	= Intravenous immunoglobulins.
JAE	= Juvenile absence epilepsy.
JME	= Juvenile myoclonic epilepsy.
K	= Potassium.
KA	= Kainic acid.
MCH	= Mean corpuscular hemoglobin.
MCV	= Mean corpuscular volume.
MEG	= Magnetoencephalogram.
Mg	= Magnesium.
MRI	= Magnetic resonance imaging.
Na	= Sodium.

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*List of Abbreviations*

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NK	= Natural killer cells.
NMDA	= N-methyl-D-aspartic.
No.	= Number of subjects.
NS	= Non significant.
PET	= Positron emission tomography.
PLP	= Pyridoxal-5-phosphate.
PLT	= Platelets.
QA	= Quisqualic acid.
S	= Significant.
SD	= Standard deviation.
SLE	= Systemic lupus erythematosus.
SMS	= Stiff Man Syndrome.
SPECT	= Single photon emission computerized tomography.
TLC	= Total leukocytic count.



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