بسم الله الرحمن الرحيم

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STUDY OF BONE DENSITY : AN AFTER EFFECT OF CHRONIC TREATMENT WITH ANTIEPILEPTIC DRUGS IN EPILEPTIC CHILDREN

Thesis Submitted for Fulfillment of
Ph.D in Childhood Studies

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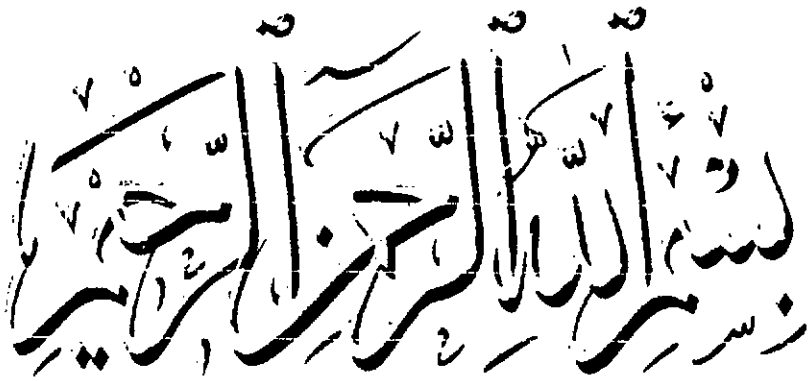
بسم الله الرحمن الرحيم

قالوا سبحانك

لا علم لنا إلا ما علمتنا

إنك أنت العليم الحكيم

صدق الله العظيم

سورة البقرة ، آية ٣٢

Dedication

Dedicated

To

My Family

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LIST OF ABBREVIATIONS

AA	Amino acid.
AED_S	Antiepileptic drugs.
ACTH	Adrenocorticotrophic hormone..
Alk.Phos.	Alkaline phosphatase.
AMP	Adenosine monophosphate.
ATP	Adenosine triphosphate.
BMC	Bone mineral content.
BMD	Bone mineral density.
BZP	Benzodiazepine.
Ca	Calcium.
CAE	Childhood absence epilepsy.
CBZ	Carbamazepine.
CCB_S	Calcium channel blockers.
CNS	Central nervous system.
CPS	Complex partial seizures.
CT	Computerized tomography.
DEXA	Dual energy x-ray absorptiometry
DNA	Deoxyribonucleic acid.
DPA	Dual photon absorptiometry.
DPH	Diphenyl hydantoin.
ESM	Ethosuximide.
EEG	Electroencephalogram.
Fig	Figure.
GABA	γ- amino butyric acid.
GAD	Glutamic acid decarboxylase.
GTCS	Generalized tonic-clonic seizures.
GTCS	Generalized tonic-clonic convulsions
HS	Highly significant.
Ht	Height.
IGE	Idiopathic generalized epilepsy.
ILAE	International League Against Epilepsy
JAE	Juvenile absence epilepsy.

JME	Juvenile myoclonic epilepsy.
K	Potassium.
KA	Kainic acid.
MCT	Medium chain triglycerides.
MEG	Magnetoencephalogram.
Mg	Magnesium.
MRI	Magnetic resonance imaging.
Na	Sodium.
NMDA	N-methyl-D-aspartate.
No	Number of subjects.
NS	Non significant.
OD	Optical density.
P	Phosphorus.
PB	Phenobarbitone.
PET	Positron emission tomography.
PHT	Phenyl hydantoin.
PICP	Procollagen type I-carboxyl terminal peptide.
PRM	Primidone.
PTH	Parathyroid hormone.
S	Significant.
SD	Standard deviation.
SE	Status epilepticus.
SPECT	Single photon emission computerized tomography.
SPS	Simple partial seizures
VNS	Vagus nerve stimulation.
VPA	Valproic acid.
V/V	Volume / volume.

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