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بسم اللّه الرحمن الرحيم

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التوثيق الالكتروني والميكروفيلم

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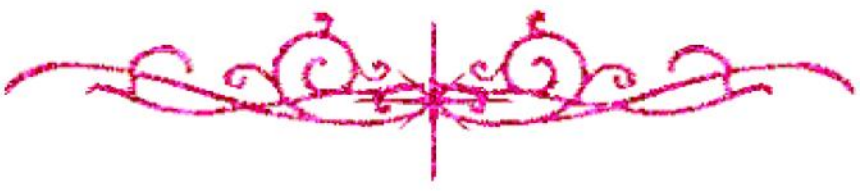

بالرسالة صفحات
لم ترد بالأصل

Biochemical and Structural Magnetic Resonance Imaging in Chronic Stroke and the Relationship with Upper Extremity Motor Function

Thesis

Submitted for Partial Fulfillment of MD Degree
In Neurology

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Dalia Maher Samy

Contents

List of Abbreviations

Abb.	Full term
1H-MRS	Proton magnetic resonance spectroscopy
AMPA	α-amino-3-hydroxyl-5-methyl-4-isoxazole-propionate
BBB	Blood brain barrier
BDNF	Brain derived neurotrophic factor
Cho	Choline
CNS	Central nervous system
CR	Completely recovered
Cr	Creatine and phosphocreatine
CSF	Cerebrospinal fluid
DG	Dentate gyrus
DWM	Deepwhite matter
EAATs	Excitatory amino acid transporters
FA	Fractional anisotropy
FLAIR	Fluid-Attenuated Inversion Recovery
FMA	Fugl Meyer Assessment
FMA- UE	Fugl Meyer Assessment - upper-extremity
fMRI	Functional magnetic resonance imaging
GABA	Gamma amino butyric acid
GLAST	Glutamate-aspartate transporter
GLN	Glutamine
GLT1	Glutamate transporter 1

Abb.	Full term
GLU	Glutamate
Glx	Glutamate and glutamine
GMV	Grey matter volume
IQR	Interquartile range
Lip	Lipids
LTP	Long Term Potentiation
M1	Primary motor cortex
MCA	Middle cerebral artery
MFV	Mean Flow velocity
mI	Myo-inositol
ML	Mobile lipids
Mm	Millimeters
MRA	Magnetic resonance angiography
mRS	Modified Rankin Scale
NAA	N-acetylaspartate
NAAG	Neuropeptide N-acetylaspartylglutamate
NIH	National Institutes of Health
NIHSS	National Institute of Health Stroke Scale
NPCs	Neural progenitor cells
NSCs	Neural stem cells
PACS	Picture Archiving and Communication System
PCD	Programmed cell death
PET	Positron emission tomography
PMd	Dorsal premotor cortex

Abb.	Full term
PR	Partial motor recovery
PVWM	Periventricular white matter
RMS	Rostral migratory stream
SD	Standard deviation
SGZ	Subgranular zone
SMA	Supplementary motor area
SVZ	Subventricular zone
TCA	Tricarboxylicacid
TE	Echo time
tNAA	Total N-acetylaspartate
TR	Repitition time
UE	Upper-extremity
WMFT	Wolf motor function test

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