

Lipids and Neurological Disorders

Essay

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Neuropsychiatry

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List of Abbreviations

Abbreviation	
4S	Scandinavian Simvastatin Survival Study
AChE	Acetylcholinesterase
AD	Alzheimer's Disease
AIDS	Acquired Immune Deficiency Syndrome
ALS	Amyotrophic Lateral Sclerosis
APO	Apolipoprotein
APOE	Apolipoprotein E
APP	Amyloid Beta Precursor Protein
ASVD	Arteriosclerotic Vascular Disease
ATP	Adenosine Triphosphate Adenosine
Aβ	Amyloid Beta-peptide
BMI	Body Mass Index
C¹⁸	the Eighteen-carbon
Ca	Calcium
CBD	Corticobasal Degeneration
Cbl	Cobalamin
CE	Cholesteryl Ester
CETP	Cholesterol Ester Transfer Protein

List of Abbreviations (Cont.)

Abbreviation

CHD	Coronary Heart Disease
CIS	Clinically Isolated Syndrome
CM	Chylomicrons
CMV	Cytomegalovirus
CNS	Central Nervous System
CoA	Coenzyme A
COBRE	the Center of Biomedical Research Excellence in Lipidomics and Pathobiology
CSF	Cerebrospinal Fluid
CT	Computed Tomography
DAG	Diacylglycerol
DASH diet	Dietary Approaches to Stop Hypertension
DHA	Docosahexaenoic Acid
DLB	Dementia with Lewy Bodies
DNA	Deoxyribonucleic Acid
ECG	Electrocardiogram
EDSS	Expanded Disability Status Scale
EEG	Electroencephalography

List of Abbreviations (Cont.)

Abbreviation	
EMG	Electromyography
EPA	Eicosapentaenoic Acid
ER	the Endoplasmic Reticulum
FA	fractional anisotropy
FALS	familial ALS
FDA	Food and Drug Administration
FFA	free fatty acids
G.I. Diet	Glycemic Index Diet
GABA	Gamma-aminobutyric acid
GAG's	Glycosaminoglycans
GOLD	Genomics of Lipid-associated Disorder
H₂O₂	Hydrogen Peroxide
Hcy	Homocysteine
HDL	High-Density Lipoprotein
HMG-CoA	γ-hydroxy-γ-methylglutaryl-coenzyme A
HPS	Heart Protection Study
I.U	International Unit
ICH	Intracerebral Hemorrhage

List of Abbreviations (Cont.)

Abbreviation	
IDL	Intermediate-density lipoprotein
IFN	Interferon
Ig	Immunoglobulin
IGT	Impaired Glucose Tolerance
IL	Interleukin (e.g. IL- ¹)
IM	Intramuscular
IV	Intravenously
IVUS	Intravascular Ultrasound Evaluation
Kca	Kilocalorie
LCAT	Lecithin: Cholesterol Acyltransferase
LDL	Low-Density Lipoprotein
LDL	Low-Density Lipoproteins
LPL	Lipoprotein Lipase
LPS	Lipopolysaccharide
LSDs	Lipid Storage Disorders
LSVT	the Lee Silverman Voice Treatment
LTDM	Long-Term Declarative Memory
MAO B	Monoamine Oxidase-B
MAP	Microtubule Associated Protein

List of Abbreviations (Cont.)

Abbreviation

MBP	Myelin Basic Protein
MD	Mean Diffusivity
Met	Methionine
Mg	Milligram
MMSE	Mini-Mental State Examination
MOG	Myelin Oligodendrocyte Glycoprotein
MRI	Magnetic Resonance Imaging
MS	Multiple Sclerosis
MSA	Multiple System Atrophy
MUT	Mutase
MVA	Mevalonic Acid
Na	Sodium
NAC	Non Abeta Component
NCV	Nerve Conduction Velocity
NK	Natural killer cells
NMDA	N-methyl-D-aspartate receptors
NO	nitric oxide
NPC	Niemann-Pick type C disease
OGT	O-GlcNAc Transferase

List of Abbreviations (Cont.)

Abbreviation

OT	Occupational Therapy
PAF	Platelet Activating Factor
PAOD	Peripheral Artery Occlusive Disease
PD	Parkinson Disease
PET	Positron Emission Tomography
PIPs	Phosphatidylinositol Phosphates
PKC	Protein Kinase C
PL	Total Phospholipids
PLKγ	Polo Like Kinase γ
PLP	Proteolipid protein
PLTP	Phospholipids Transfer Protein
PSP	Progressive Supranuclear Palsy
PT	Physical Therapy
PUFA	Polyunsaturated Fatty Acids
ROS	Reactive Oxygen Species
RRMS	Relapsing-Remitting MS
SDAT	Senile Dementia of the Alzheimer Type
SOD	Superoxide dismutase

List of Abbreviations (Cont.)

Abbreviation	
SPARCL	Stroke Prevention by Aggressive Reduction in Cholesterol Levels
SPECT	Single Photon Emission Computed Tomography
T₂DM	Type 2 Diabetes Mellitus
TAG	Triacylglycerol
Th	T Helper Cell
tPA	Tissue Plasminogen Activator
UPDRS	Unified Parkinson's Disease Rating Scale
VEGF	Vascular Endothelial Growth Factor
VLDL	Very-low-Density Lipoprotein

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Introduction



Aim of the Work
