

Abbreviations

ICA	Internal carotid artery
ECA	External carotid artery
ACA	Anterior cerebral artery
CCA	Common carotid artery
MCA	Middle cerebral artery
MCAo	Middle cerebral artery occlusion
NSAIDs	Non-steroidal Anti-inflammatory Drugs
RBC	Red blood cells
COX-1	Cyclooxygenase-1
COX-2	Cyclooxygenase-2
GST	Glutathione S-transferase
(Se-GPx)	Selenium-dependent glutathione peroxidase
CAT	Catalase
GPs	Gastric prostaglandins
MPO	Myeloperoxidase
TNF	Tumor necrosis factor
NMDA	N-methyl -D-aspartate
NO	Nitric oxide
OH [•]	Hydroxyl radical
DNA	Deoxyribonucleic acid
GPx	Glutathione peroxidase
GR	Glutathione Reductase

MDA	Malondialdehyde
BBB	Blood brain barrier
PBS	Phosphate Buffer Saline
EDTA	Ethylene diamine tetra acetic acid
DMSO	Dimethyl sulfoxide
TTC	2,3,5-triphenyltetrazolium chloride
RPM	Revolutions per minute
SPSS	Statistical package for the social sciences
ANOVA	Analysis of Variance
SEM	Standard error of mean
EEG	Electroencephalography
FIRDA	Frontal Intermittent Rhythmic Delta
OIRDA	Occipital Intermittent Rhythmic Delta
PSD	Power spectrum density
MRI	Magnetic resonance imaging
FFT	Fast Fourier Transformation
AR	Autoregressive
ARMA	Autoregressive Moving average
NN	Neural Network
FFN	Feed forward network
DWT	Discrete Wavelet Transformation
WNN	Wavelet neural network
MATLAB	Matrix Laboratory