

LIST OF ABBREVIATIONS

ADEM	:	Acute disseminated encephalomyelitis
AEE	:	Acute encephalitis/encephalopathy
AME	:	Aseptic meningo-encephalitis
AUC	:	Area Under Curve
BBB	:	Blood–brain barrier
BME	:	Bacterial meningitis with encephalitis
BMO	:	Bacterial meningitis only
C/S ratio	:	CSF neopterin/serum neopterin ratio
CBC	:	Complete blood count
CFAM	:	Continuous function and analysing monitoring
CMV	:	Cytomegalovirus
CNS	:	Central nervous system
CRP	:	C-reactive protein
CSF	:	Cerebrospinal fluid
CT	:	Computed tomography
DAI	:	Diffuse axonal injury
EBV	:	Epstein-Barr virus
EEG	:	Electroencephalography
EIA	:	Enzyme immunoassay
ELISA	:	The enzyme-linked immunosorbent assay
ESR	:	Erythrocyte sedimentation rate
FCs	:	Febrile convulsions
FDG	:	18F-fluoro-2-deoxy-D-glucose
FLAIR	:	Fluid-attenuated inversion recovery
GTP	:	Guanosine 5'- triphosphate
H₂O₂	:	Hydrogen peroxide
Hb	:	Haemoglobin
HHV6	:	Human herpes virus 6
HHV7	:	Human herpes virus 7
HIV	:	Human immunodeficiency virus
HRP	:	Horseradish peroxidase
HSE	:	Herpes simplex encephalitis

HSV	:	Herpes Simplex Virus
ICP	:	Intra cranial pressure.
ICU	:	Intensive care unit
IF	:	Immunofluorescence
IFN-γ	:	Interferon -gamma
IgM	:	Immunoglobulin M
IL	:	Interleukin
INF-α	:	Interferon-alpha
INF-β	:	Interferon -beta
iNOS	:	Inducible nitric oxide synthase
JCV	:	John Cunningham virus
LPS	:	Lipopolysaccharides
MIF	:	Micro-immunofluorescence
MRI	:	Magnetic resonance imaging
mRNA	:	Messenger ribonucleic acid
NK	:	Natural killer
NMDA	:	N-Methyl-D-Aspartate Antibody
NPV	:	Negative predictive value
OAS	:	2'5' Oligoadenylate synthetase
PAMPs	:	Pathogen-associated molecular patterns
PCO₂	:	Partial pressure of carbon dioxide
PCR	:	Polymerase chain reaction
PET	:	Positron emission tomography
PKR	:	Protein kinase R
PLEDs	:	Periodic lateralized epileptiform discharges
PPV	:	Positive predictive value
PTPS	:	Pyrovoyl tetrahydropterin synthase
RAGE	:	Receptor for advanced glycation end products
RBCs	:	Red blood cells
RIG-I	:	Retinoic acid-inducible gene 1
RNA	:	Ribonucleic acid
ROC	:	Receiver Operating Characteristic
ROS	:	Reactive oxygen species

RSV	:	Respiratory syncytial virus
SIADH	:	Syndrome of inappropriate antidiuretic hormone
SOCS	:	Suppressors of cytokine signaling
SPECT	:	Single photon emission computed tomography
SSPE	:	Subacute sclerosing panencephalitis
TBI	:	Traumatic brain injury
TGF	:	Transforming growth factor
Th1- type	:	Type1 T helper
TLRs	:	Toll-like receptors
TMA	:	Transcription-mediated amplification
TMB	:	3,3',5,5' – tetramethyl benzidine
TNF	:	Tumor necrosis factor
TNF- α	:	Tumor necrosis factor-alpha
TSH	:	Thyroid stimulating hormone
USA	:	United States of America
VZV	:	Varicella zoster virus
WBCs	:	White blood cells
WNV	:	West Nile Virus