



Critical Illness Neuropathy

Essay

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presented by

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List of Abbreviations

Abbreviation	Meaning
AchE	Acetylcholinesterases
ACHR	Acetylcholine Receptor
A-CIDP	Acute Onset CIDP
ADH	Antidiuretic Hormone
ADMA	Asymmetrical-Dimethylarginine
ADP	Adenosine Diphosphate
AHC	Anterior Horn Cells
AIDP	Acute Inflammatory Demyelinating Polyradiculoneuropathy
AIP	Acute Intermittent Porphyria
ALA	D-Aminolevulinic Acid
ALA-D	D-Aminolevulinic Acid Dehydratase
AMAN	Acute Motor Axonal Neuropathy
AMD	Acid Maltase Deficiency
AMSAN	Acute Motor Sensory Axonal Neuropathy
AP	Adductor Pollicis
ARDS	Acute Respiratory Distress Syndrome
ARP	Absolute Refractory Period
ATP	Adenosine Triphosphate
ATPase	Adenosine Triphosphatase Enzyme
BBE	Bickerstaff's Brainstem Encephalitis
BDNF	Brain-Derived Neurotrophic Factor
BIG IV	Botulism Immune Globulin Intravenously
Botox	Botulinum Toxin
BP	Blood Pressure
°C	Celsius
Ca²⁺	Calcium
CDC	Centers For Disease Control
CE	Contractile Element
CEE	Cholinesterase Enzyme
CEP	Congenital Erythropoietic Porphyria
CIDP	Chronic Inflammatory Demyelinating Polyradiculoneuropathy
CIN	Critical Illness Neuropathy

List of Abbreviations

Abbreviation	Meaning
CIM	Critical Illness myopathy
cm	Centimeter
CMAP	Compound Muscle Action Potential
CMS	Congenital myasthenic syndrome
CMV	Controlled Mechanical Ventilation
CNS	Central Nervous System
CO₂	Carbon Dioxide
CoA	Coenzyme A
COPD	Chronic Obstructive Pulmonary Disease
CSF	Cerebrospinal Fluid
DP	Depolarization
EMG	Electromyography
EPP	Erythropoietic Protoporphyria
°F	Fahrenheit degrees
FPP	Familial Periodic Paralysis
FVC	Forced Vital Capacity
GABA	Gamma-Aminobutyric Acid
GBS	Guillain-Barre' Syndrome
GH	Growth Hormone
HCO₃	Bicarbonate
HCP	Hereditary Coproporphyria
HEP	Hepatoerythropoietic Porphyria
HIV	Human Immunodeficiency Virus
HMB	Hydroxymethyl Bilane
HMBS	Hydroxymethylbilane Synthase
HyperKPP	Hyperkalemic Form
HypoKPP	Hypokalemic Form
ICU	Intensive Care Unit
ICU-AW	ICU- Acquired Weakness
Ig	Immunoglobulin Antibodies
IIT	Intensive Insulin Therapy
IL-6	Interleukin-6
iNOS	Inducible Nitric Oxide Synthase

List of Abbreviations

Abbreviation	Meaning
IVIG	Intravenous Immunoglobulin
K+	Potassium
Kg	Kilogram
LEMS	Lambert-Eaton Myasthenic Syndrome
LHRH	Luteinizing Hormone-Releasing Hormone
LOS	Lipo-Oligosaccharides
MEP	Maximal Expiratory Pressure
MEPP	Miniature End Plate Potential
MG	Myasthenia Gravis
MH	Malignant Hyperthermia
MIP	Maximum Inspiratory Pressure
MOD	Multisystem Organ Dysfunction
MRC	Medical Research Council
MRSA	Methicillin-Resistant Staph Aureus
msec	Millisecond
MV	Mechanical Ventillation
mV	Millivolt
MAN	Motor Axonal Neuropathy
MUAPs	Motor Unit Action Potentials
MUP	Motor Unit Potentials
MuSK	Muscle Specific Tyrosine Kinase
Na+	Sodium
NGF	Nerve Growth Factor
NMBA	Neuromuscular Blocking Agents
NMJ	Neuromuscular Junction
NMS	Neuroleptic Malignant Syndrome
NOS	Nitric Oxide Synthase
NT-3	Neurotrophin 3
O2	Oxygen
PAS	Periodic Acid-Schiff
PBG	Porphobilinogen
PBGD	Porphobilinogen Deaminase
PCR	Polymerase Chain Reaction
PCT	Porphyria Cutanea Tarda

List of Abbreviations

Abbreviation	Meaning
PE	Plasmapheresis Exchange
redox	Reduction/Oxidation
RMP	Resting Membrane Potential
ROS	Reactive Oxygen Species
RP	Repolarization
RRP	Relative Refractory Period
ScvO ₂	Oxyhemoglobin Saturation In Central Venous Blood
SFEMG	Single-Fiber Electromyography
SIDP	Subacute Inflammatory Demyelinating Polyneuropathy
SIRS	Systemic Inflammatory Response Syndrome
sRNS	Slow Repetitive Nerve Stimulation
SS	Serotonin Syndrome
SSRIs	Selective Serotonin Reuptake Inhibitors
SvO ₂	Oxyhemoglobin Saturation In Mixed Venous Blood
TNF	Tumor Necrosis Factor
ULN	Upper Limit Of Normal
VC	Vital Capacity
VP	Variegate Porphyria

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INTRODUCTION