

ME/CFS: Correcting Chronic Mitochondrial Dysfunction Author: Joshua Leisk ©2025, [DRAFT / INCOMPLETE - may contain errors]

ALDH - Aldehyde Dehydrogenase	
AMP-K - AMP-Activated Protein Kinase	
ATP - Adenosine Triphosphate	
BDNF - Brain-Derived Neurotrophic Factor	
CFS - Chronic Fatigue Syndrome	
CNS - Central Nervous System	
CO ₂ - Carbon Dioxide	
COMT - Catechol-O-Methyltransferase	
CPG - Central Pattern Generator	
CRH - Corticotropin-Releasing Hormone	
CYP2D6 - Cytochrome P450 2D6	
DMN - Default Mode Network	
DOPAL - 3,4-Dihydroxyphenyl-Acetaldehyde	
EMDR - Eye-Movement Desensitisation & Reprocessing	
ENS - Enteric Nervous System	
HIF-2α - Hypoxia-Inducible Factor-2 alpha	
HPA - Hypothalamic-Pituitary-Adrenal (axis)	
IL-6 - Interleukin-6	
LC - Locus Coeruleus	
LDN - Low-Dose Naltrexone	loouto
LTD - Long-Term Synaptic Depression	Inputs
LTP - Long-Term Synaptic Potentiation	
ME - Myalgic Encephalomyelitis	
NAD ⁺ - Nicotinamide Adenine Dinucleotide (oxidised)	Exterocep
NADH - Reduced Nicotinamide Adenine Dinucleotide	• Vision • Au
NE - Norepinephrine	Touch • Olf
NF-kB - Nuclear Factor Kappa-Light-Chain-Enhancer of	
Activated B Cells	
NMDA - N-Methyl-D-Aspartate (receptor)	Proprioce
PAG - Periaqueductal Grey	 Muscle sp
PDH - Pyruvate Dehydrogenase (complex)	Joint stre
PFC - Prefrontal Cortex	Fascia ter
PKA - Protein Kinase A	
PTSD - Post-Traumatic Stress Disorder	Interocep
ROS - Reactive Oxygen Species	• pH / CO2 • C
TPP - Thiamine Pyrophosphate	 Inflammation • Guilding