

a-KGDH - Alpha-Ketoglutarate Dehydrogenase
ALDH - Aldehyde Dehydrogenase
ATP - Adenosine Triphosphate
B6 - Vitamin B6
BH4 - Tetrahydrobiopterin
Cd - Cadmium
Co - Cobalt
Cu - Copper
DHFR - Dihydrofolate Reductase
DMT1 - Divalent Metal Transporter 1
FAD - Flavin Adenine Dinucleotide
Fe - Iron
HIF-1α - Hypoxia-Inducible Factor 1 alpha
HPV - Human Papillomavirus
IFN - Interferon
IL - Interleukin
LCAD - Long-Chain Acyl-CoA Dehydrogenase
LDH - Lactate Dehydrogenase
MCAD - Medium-Chain Acyl-CoA Dehydrogenase
Mg - Magnesium
Mn - Manganese
Mo - Molybdenum
MTHFR - Methylene tetrahydrofolate Reductase
Na+/K+ ATPase - Sodium/Potassium-transporting ATPase
NAD+ - Nicotinamide Adenine Dinucleotide (oxidised form)
Ni - Nickel
NOS - Nitric Oxide Synthase
Pb - Lead
P5P - Pyridoxal-5-Phosphate
PDK - Pyruvate Dehydrogenase Kinase
PHD - Prolyl Hydroxylase Domain enzyme
ROS/RNS - Reactive Oxygen/Nitrogen Species
SCAD - Short-Chain Acyl-CoA Dehydrogenase
SDH - Succinate Dehydrogenase
Se - Selenium
SOD - Superoxide Dismutase
T3 - Triiodothyronine (active thyroid hormone)
TCA - Tricarboxylic Acid (cycle)
TGT - tRNA-Guanine Transglycosylase
TNF - Tumour Necrosis Factor
V - Vanadium
VLCAD - Very-Long-Chain Acyl-CoA Dehydrogenase
Zn - Zinc

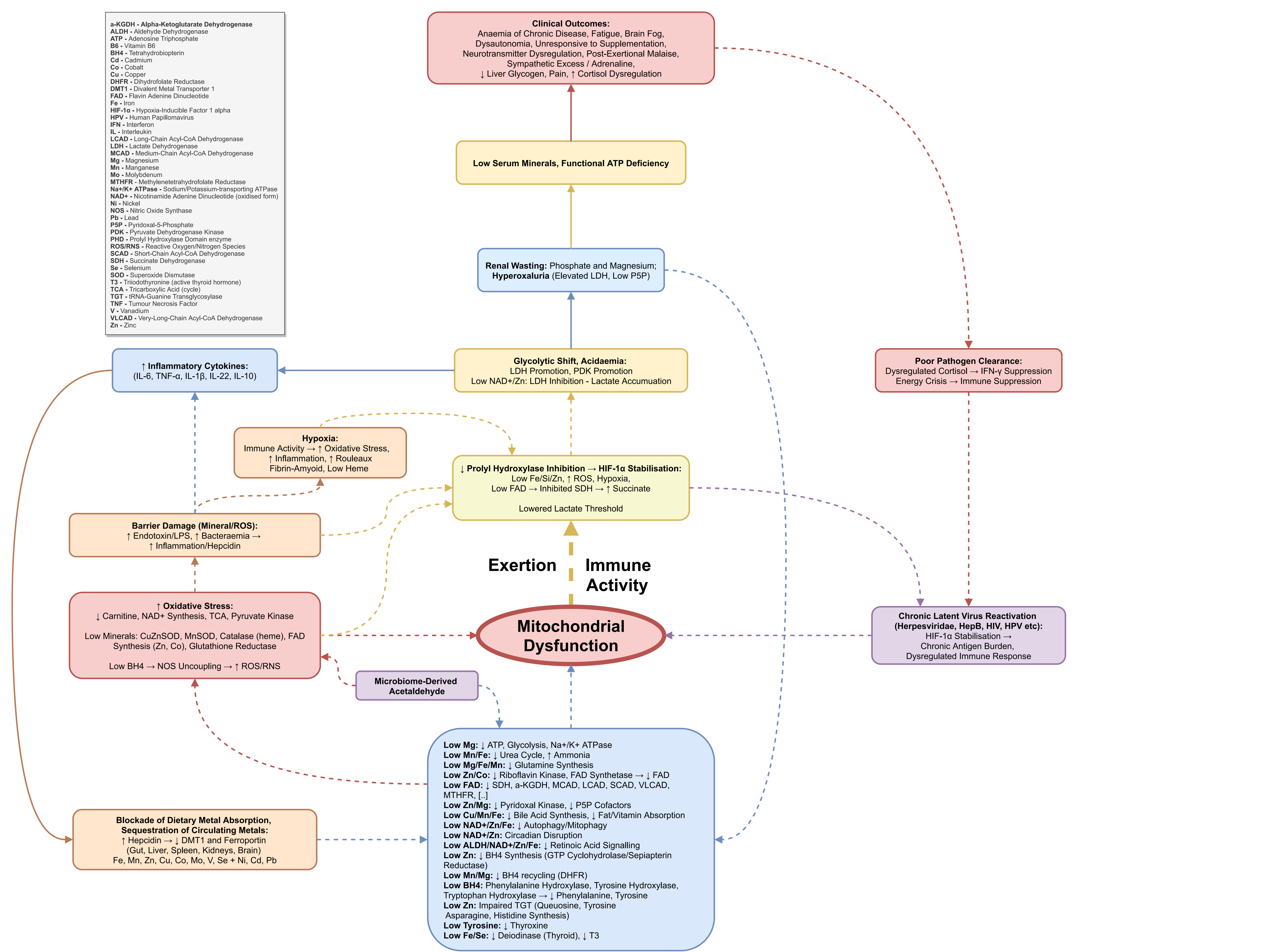


Figure 12. Pathway Diagram: The role of mitochondrial dysfunction in mineral depletion.

ME/CFS: Correcting Chronic Mitochondrial Dysfunction

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