

# Therapeutic Applications



## Vitamins and Minerals.

Please Note: This Document is not intended to treat medical conditions or make medical claims.

Indication	Nutrients & Glutathione (tripeptide)
Heavy metal detoxification (chelation)	Glutathione, Vitamin C
Cyanide chelation	Vitamin B12
Calcium chelation	Vitamin C
Bone mineralization	Vitamin K, Vitamin D, Calcium, Magnesium, Vitamin B12
Hair health	Zinc, Folic acid, Biotin (B7), Vitamin B6
Ocular health	Zinc, B12, B2, Vitamin E, Vitamin A, Vitamin C, Copper, Folate, Vitamin D
Depression	Folic acid, Vitamin B5, Vitamin B12, Vitamin C, Magnesium, NADH
Anaemia	Iron, Vitamin C, Vitamin B2, Vitamin B5, Vitamin B6, Vitamin B12
Thyroid health	Selenium, Vitamin B2, Glutathione
Collagen production	Vitamin C, Vitamin B12, Zinc
Migraine	Vitamin B2, Glutathione, Magnesium
Fertility Neuro regenerative	Selenium, NADH
Impotence (Erectile Dysfunction)	Zinc, Niacin, Magnesium
Cognitive dysfunction	Vitamin D, Vitamin B12, Omega 3 fatty acids, Vitamin B1, Iron, Iodine, NADH
Wound healing	Vitamin C, Zinc
Increased cancer risk in smokers	High b-Carotene - lung cancer / High Vitamin D - pancreas cancer
Decreased cancer risk in smokers	High Vitamin E - protection prostate cancer
Increased cancer risk in non-smokers	High Vitamin E - prostate cancer / Calcium - prostate cancer
Increased cancer risk	Low Vitamin D
Alzheimer's	Low Vitamin B1
Parkinson's	Low Glutathione
Chromosome breaks	Calcium, Vitamin B12, Folate
Insomnia	Vitamin B5, B6, B7
Immune system enhancement	Vitamin C, Zinc, NADH
Antiviral	Vitamin C

## Amino Acids.

Indication	Amino Acids & Procainium
Heavy metal detoxification	Cysteine, Glutathione, Methionine (sulfur containing amino acids)
Anti-free radical activity	Glutathione, Methionine, Alpha lipoic acid
Assist fatty acid metabolism	Carnitine, Methionine, Taurine
Accelerate wound healing	Arginine, Proline/hydroxyproline, Lysine
Anti-viral	Lysine
Thymus activity enhancement	Arginine, Threonine
Improve Glucose Intolerance, enhance insulin production	Arginine, Cysteine, Glutamic acid, Glycine, Taurine
Enhance immune system	Glutathione, Glutamine, arginine, Cysteine
Rheumatoid arthritis	Histidine
Osteoarthritis	Methionine, Arginine
Brain ammonia detoxification	Glutamic acid, Glutathione
Irradiation protection	Cystine, Glutathione, Histidine
Weight control & obesity, Alzheimer's	Carnitine, Methionine, Phenylalanine, Tryptophan, Valine, Carnitine, Choline.
Depression	Glutamine, Glutamic Acid, Phenylalanine, Tryptophan, Tyrosine, Methionine, Choline, Threonine,
Infertility (boost sperm quality)	Arginine, Carnitine, Cysteine
Impotence (erectile dysfunction)	Arginine & Pine Bark extract
Insomnia	Tryptophan
Epilepsy	Taurine (avoid glutamine, proline & aspartate)
Aging skin and soft tissue/wound healing	Glutathione, Proline/hydroxyproline & Vit C, Arginine, Lysine
Aging in general	Amino acid blend, Glutathione
Cholestasis	Taurine
Circulatory disorders	Carnitine, Taurine
Brain concentration	Glutamic acid derived from Glutamine, Procainium
Behavioral problems	Glutamic acid, Taurine, Tryptophan, Threonine
Alcoholism/alcohol induced tissue damage	Cystine, Glutamine, Glutathione
Peptic ulcer Post chemotherapy	Glutamic acid derived from Glutamine, Procainium
Lipid peroxidation	Glutathione, Proline, Lysine, Carnitine
Hair health	Cystine, Arginine, Methionine, Glycine

## Amino Acids (contiued).

Myocardial infarction protection	Carnitine, Methionine, Taurine (saves K+)
Pain control	Phenylalanine (as DLPA or d-Phenylalanine), Procainium
Chronic disease	Amino acid blend, Cysteine (required for B6 utilization), Phenylalanine
Anti-inflammation	Glutamine, Glycine, Procainium
Menopause	Arginine, Magnesium
Rectal disease	Arginine, Lysine
Tinnitus	Arginine, Procainium
Reduce cholesterol	Arginine, Carnitine, Taurine
Ocular health, Bone health	Taurine, Lysine.

## Chelating Agents.

Nutrient	Chelated Substance
Arginine	Ammonia
N-acetyl-cysteine	Weak chelator of heavy metals
Methionine	Heavy metals
Glutathione	Lead, mercury, cadmium, arsenic found in cigarette smoke
Vitamin C	Calcium
Calcium- EDTA	Heavy metals
Sodium-EDTA	Heavy metals
Alpha Lipoic Acid	Heavy metals