



Biospecialties International

Glutathione & Health

Reduced levels of glutathione, the “Master Antioxidant”, have been associated with a wide range of human diseases. High grade GGC as developed by Biospecialties International may greatly assist in intracellular production of glutathione and thus prevent and treat reduced glutathione levels due to age or disease.

Ageing

Studies from diverse groups of subjects from mosquitos to humans have demonstrated that the ageing process is correlated with a fall in the level of glutathione. High levels of glutathione is indicative of better health regardless of age. People with chronic or acute diseases such as HIV/AIDS or cancer have been shown to have glutathione levels lower than normal and premature aging is a common side effect of severe illness.

Skin ageing

The visible signs of ageing of the skin, such as wrinkles and reduced skin elasticity, could be associated with a fall in glutathione levels. Even more importantly, it appears that applying antioxidants directly to the skin has the potential ability to reduce the effects of photoaging - ageing caused by sun exposure.

Exercise

Exercise, either for fitness or strength, involves people breathing harder and needing more oxygen due to increased energy demands. This, in turn, generates free radicals and other oxidants. This is one of the reasons why it is important to stagger exercise, so the body has time to clean up the free radicals and repair the muscles. Increasing the amount of antioxidants in the body will potentially reduce the time needed for recovery and possibly help reduce oxidative damage during exercise.

Disease

There have been many studies on the treatment and prevention of a wide variety of human disease conditions and the need to replenish glutathione levels.



Glutathione status is a highly sensitive indicator of the body's functionality and viability. Indisputable cause and effect links between GSH status and the following diseases have been demonstrated:

- ▶ Diabetes
- ▶ Exercise-induced oxidative stress
- ▶ Male infertility
- ▶ Poisoning and adverse drug reaction
- ▶ Lens cataract
- ▶ Chronic kidney disease
- ▶ Cystic fibrosis
- ▶ Lung inflammation
- ▶ Post-operative trauma
- ▶ Neurodegenerative disease
- ▶ Alzheimer's
- ▶ Parkinson's
- ▶ Intestinal dysfunction
- ▶ Cancer development
- ▶ Skin ageing
- ▶ Ageing
- ▶ HIV/AIDS



Increasing Glutathione Can:

- ▶ Slow Down the Ageing Process
- ▶ Strengthen the Immune System
- ▶ Reduce Inflammation & Diseases of Ageing
- ▶ Improve Athletic Performance & Recovery
- ▶ Detoxify the Body & Neutralize Carcinogens