MAGNOX CARDIO

CARDIO-PROTECTIVE MAGNESIUM SUPPLEMENT
Intended for HEART DISEASES PATIENTS.

Magnesium is the fourth most abundant mineral in the body and is essential to good health. Magnesium is needed for more than 300 biochemical reactions in the body. It helps maintain normal muscle and nerve function, maintains steady heart rhythm, supports a healthy immune system, and keeps bones strong.

Large epidemiologic surveys have found that most people in Western societies do not consume enough magnesium rich foods. Magnesium deficiency is a root cause of a number of chronic diseases and is associated with increased mortality rates from heart diseases. Doctors and patients are aware of the need to address magnesium deficiency, and large quantities supplements are sold by pharmacies and health food stores. Magnesium can only be absorbed by the cells as a free ion (Mg++).

Naveh Pharma scientists are investing magnesium mineral more than 20 years. In 2012 we have found that organic magnesium salts form complexes of magnesium, which cannot be absorbed into the cells and are therefore ineffective at combating magnesium deficiency. Most available magnesium supplements are composed of organic magnesium salts such as lactate, citrate, or aspartate.

These findings have been backed by a recent clinical trial conducted by Schechter et. al(1) compared the intracellular absorption of Naveh Pharma's patented Magnox to Magnesium Citrate. The findings revolutionize the understanding of magnesium absorption and places Magnox as Superior magnesium supplement compared to most available preparation.

Magnox is composed of unique magnesium molecule extracted from the Dead Sea in Israel and has been formulated based on this recent scientific breakthrough. Magnox Cardio has been clinically proven to be superior in intracellular absorption and efficacy of lowering cholesterol and HsCRP as well as inhibiting platelet aggregation (1). Feedback from doctor and patients is extremely positive and sales are growing constantly by tens of percents each year widening the magnesium market to huge quantities and profits. The benefits of Magnox Cardio on vitality and body performance are immediate and profound.

About Magnesium – The Mineral of Life

Magnesium is a pivotal nutrient in over 300 enzyme reactions in the body ranging from energy production to cholesterol control. Large epidemiologic surveys show that most people in Western culture do not consume enough dietary magnesium. This magnesium deficiency contributes to an elevated risk for a number of diseases. According to US National Health and Nutrition Examination Survey, 68% of Americans consumed less than the U.S. recommended daily allowance for magnesium. In addition, the study demonstrated that adults who were deficient in dietary magnesium were about 1.5 times more likely to have elevated inflammation markers than adults who consumed the recommended amount. Such inflammation can contribute to chronic diseases such as heart disease, diabetes, and certain cancers. Other epidemiologic trials indicate that a diet high in magnesium can even lower blood pressure (4).

Approximately 50% of our total body magnesium is found in our bones. The other half is found predominantly inside the cells of our body tissues and organs. Only 1% of magnesium is found in our blood, but the body works very hard to keep our blood levels of magnesium constant, therefore a blood test for magnesium is not an indication of how much magnesium we have in our bodies at any given time (e.g. - whether an individual is suffering from hypo or hypermagnesemia).

Magnesium is absorbed primarily in the distal small intestine, and healthy people absorb approximately 30% to 40% of the magnesium they ingest (Knochel, 1991; White et al., 1992) (5,6).

Since magnesium is predominately an intracellular cation (a positive ion), the effectiveness of any oral magnesium supplement is assessed by its solubility and rate of uptake from the small intestine into the bloodstream, and by its transformation into a free ion that absorbs into the cells of the tissues through a certain pathways in cell membranes. All if this is a complicated way of saying that a magnesium supplement has to be able to be absorbed by the cells of the body in order to be beneficial to the health of the individual taking it. Magnesium levels in the body are regulated by the kidneys (White et al., 1992) (6). When magnesium levels in the blood are high, the kidneys will rapidly excrete the surplus.

THE LOGIC:

Why patients with cardiovascular diseases need a Magnesium supplement?

Hypomagnesemia is common in hospitalized patients, especially in the elderly with coronary artery disease (CAD) and/or those with chronic heart failure.

Magnesium supplementation improves myocardial metabolism, inhibits calcium accumulation and myocardial cell death; it improves vascular tone, peripheral vascular resistance, after load and cardiac output, reduces cardiac arrhythmias and improves lipid metabolism. Magnesium also reduces vulnerability to oxygen-derived free radicals, improves human endothelial function and inhibits platelet function, including platelet aggregation and adhesion, which potentially gives magnesium physiologic and natural effects similar to adenosine-diphosphate inhibitors such as clopidogrel (Plavix).

There are theoretical potential benefits of magnesium supplementation as a Cardio-protective agent in CAD patients, as well as promising results from previous work in animal and humans. These studies are cost effective, easy to handle and are relatively free of adverse effects, which gives magnesium a role in treating CAD patients, especially high-risk groups such as CAD patients with heart failure, the elderly and hospitalized patients with hypomagnesemia as well as every patients with elevated blood pressure or cholesterol. Furthermore, magnesium therapy is indicated in life-threatening ventricular arrhythmias such as Torsades de Pointes and intractable ventricular tachycardia.

Magnox Cardio – Superior Compliance

The content of one molecule of Magnox contains 60% elemental magnesium. That fact enable to provide 520mg of elemental magnesium in one dose whereas, most available preparations, Cardio-vascular patients that must take many tablets a day prefer one daily thus, Magnox presents a much better compliance.

References:

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