

sium chloride for the simple relief of muscle and joint pains, especially when applied with moist heat.

Two studies have suggested magnesium's role in the treatment of acute migraine. Mauskop, et al, demonstrated relief of headache within 15 minutes of intravenous magnesium in 32 of 40 patients with migraine, cluster headache, or tension headache. "Not all headaches are produced by mineral imbalances, but we now know that 50 to 60 percent of migraines are magnesium-linked."

Dr. Pierre Delbet used to give IV magnesium chloride solution routinely to his patients with infections and for several days before any planned surgery and was surprised by many of these patients experiencing euphoria and bursts of energy.

Adequate amounts of magnesium could reduce the risk of diabetes by 10 to 34 percent.

Dr. Carolyn Dean, author of *The Miracle of Magnesium*, reports that magnesium is a natural statin medication. In 2004 the Journal of the American College of Nutrition published a paper that describes the anti-cholesterol mechanism of magnesium being akin to that of the statin drugs - but without the considerable side effects.

Dr. Mildred S. Seelig said, "Since Mg²⁺-ATP is the controlling factor for the rate-limiting enzyme in the cholesterol biosynthesis sequence that is targeted by the statin pharmaceutical drugs, compari-

son of the effects of Mg²⁺ on lipoproteins with those of the statin drugs is warranted." This is just one of many examples that illustrate how magnesium chloride can replace billions of dollars of drug sales.

Magnesium chloride can be effectively provided by intramuscular, intravenous, oral, and transdermal/topical routes of administration. Transdermal/topical administration can be a cost effective and easy way to prevent or treat many problems and correct deficiencies. It can be used in baths, as a body spray and even as a massage lotion in any form of physical therapy or self care. It has huge applications in sports and preventive medicine.

- Healing
- Skin integrity
- Cardiac health
- Pain management
- Sleep improvement
- Diabetes prevention
- Stroke prevention and recovery
- Overall energy production (ATP)
- Helps maintain memory function
- Helps build bones and make proteins
- Calming effect on the nervous system

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<http://www.MagnesiumForLife.com>

<http://www.imva.info>



Magnesium Chloride

Medicine/Mineral



Magnesium chloride, something strong enough to use in dramatic life-threatening moments during emergency treatment, turns out to be a universal medicine. Magnesium is nothing short of a miracle mineral in its healing effect on a wide range of diseases. It has the ability to rejuvenate the aging body, and in the form of magnesium chloride, is also an impressive infection fighter. This is an exciting medical discovery, for it helps physicians fulfill their primary mission and purpose.

Magnesium Chloride is the most useful and least toxic form of magnesium. When magnesium chloride is understood properly (as the basic medicine it is), it will have to be prescribed to the majority of patients as a foundation and support for other therapeutic and pharmaceutical interventions.



Magnesium chloride is a strong, versatile, safe medicine, which **boosts all aspects of cell physiology**. It is also a potent medicine, one you want around if you are having a heart attack or stroke. Magnesium chloride is a natural substance that penetrates the cells with stunning results on cell biochemistry.

The same treatment that can be experienced in a doctor's office with intravenous mineral infusions can be experienced at home with magnesium chloride directly ap-

plied to the skin as a lotion or when used as a bath salt. **Transdermal magnesium chloride treatment addresses systemic magnesium deficiencies, acts to improve the function of cells and immune system, helps protect cells from oxidative damage and decreases inflammation.** It's a systemic medicine as well as a local one, bringing life and energy to the cells where it is applied topically.

The latest government study shows a staggering 68% of Americans do not consume the recommended daily intake of magnesium. **19% of Americans do not consume even half of the government's recommended daily intake of magnesium.**

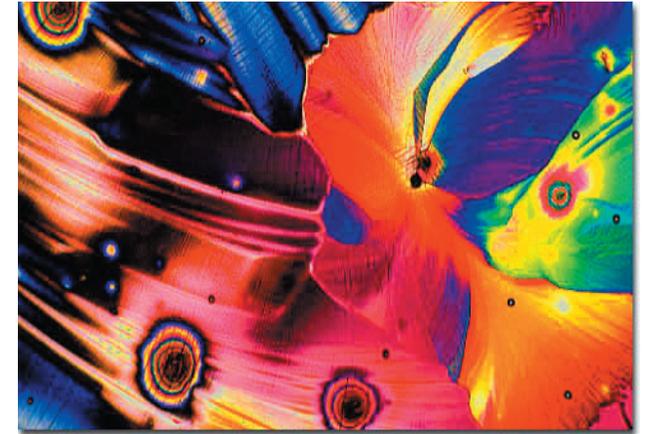
- **Magnesium prevents the calcification of our organs and tissues that is characteristic of the old-age related degeneration of our body.**

- Magnesium chloride is nearly miraculous for the depth and scope of its application and is the only form of magnesium that has been found by clinicians to stimulate immune function.

- Mg^{2+} is critical for all of the energetics of the cells, because it is absolutely required that Mg^{2+} be bound (chelated) by ATP (adenosine triphosphate), the central high energy compound of the body.

Bottom line, Mg^{2+} at critical concentrations is essential to life," says Dr. Boyd Haley who continues with, "All detoxification mechanisms

have as the bases of the energy required to remove a toxicant, the need for Mg -ATP to drive the process. There is nothing done in the body that does not use energy, and without Mg^{2+} this energy can neither be made nor used."



Microspectrograph of magnesium chloride

Magnesium chloride is crucial in any kind of detoxification or chelation program. Deficiencies of magnesium result in a deficiency in B6, and if you don't get enough magnesium, your body cannot make or utilize protein. Few appreciate that magnesium deficiency can create such problems like protein deficiencies. Magnesium also activates vitamins C and E. Therefore, if you don't get enough magnesium, the vitamin C and E that you eat cannot be used. If you don't have enough magnesium, DMPS and DMSA (chelating agents) will hurt more than they will help.

Dentists will get excited about magnesium chloride for it can be used as a mouth wash to dramatically strengthen the gums. And there is nothing like magne-