

The Greatest Break Through in the History of Water for Health

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October 12, 2015

Diatomic Hydrogen Water, the greatest break though in this history of water for health!

People should drink 6-8 glasses of water a day to stay healthy. Hydration alone is vital to good health. for keeping the cells full of water, oxygen & nutrients for metabolism. Good water is so critical to removing toxins, cellular wastes from metabolic processes and for a myriad of other important biological activities too.

Consider this... 6-8 glasses of diatomic hydrogen rich, highly oxygenated water should penetrate every cell in the body, including the blood brain barrier easily to support oxidation neutralization in reducing oxidative stress. H-2 reacts with the most potentially dangerous radical i.e. the hydroxyl radical (-OH). It may be the most significant support factor for the human body's fight against neutralizing agents that may contribute to cancers, rapid aging and to the brain, liver, heart, lung, eyes, nervous system, skin, bones and tissues at the cellular level. To be able to react with and to neutralize the dangerous hydroxyl radical (-OH) is a heralded as a major milestone in greatly supporting human health in a toxic world where it is declining.

When reacted with the powerful diatomic hydrogen atom (H+) with its positive charge bonds to the negatively charge -OH by binding them together into a new molecule. (as magnets opposites ends attract) The resulting reaction creates HOH (H₂O)...the "water molecule"! ...Yes that is right, diatomic hydrogen H-2 reacts with the potentially dangerous toxic free hydroxyl radical found throughout the human body to form WATER!!

Diatomic hydrogen water has the amazing potential "to provide powerfully support" for enormous amounts ATP production, (the energy molecule of the cells). It is postulated H-2 in a concept as a super nutrient may increase ATP production up to 800% more than the powerful Coenzyme Q10... BUT, H-2 doesn't stop there, with incredible potential to provide massive support for the anti-aging enzymes in the body: Super Oxide Dismutase (SOD), Catalase and Glutathione, as well as other significant enzymes and bio-chemicals, abundantly found in a young body. These enzymes decline significantly after the age of 40, to miniscule amounts in the 60's and beyond.

DON'T go away yet, because H-2 diatomic hydrogen water may greatly support increase the amount of nutrients and oxygen entering into the cells...THEN the breakup of cellular debris LIPOFUSIN (inter cellular garbage) that accumulates from metabolism plugging up cells with as we age. NOT DONE YET...H₂ Diatomic hydrogen water can potentially aid excretion, detoxification of even toxic metals that accumulate and other potentially harmful toxins and free radicals. THE METABOLIC SHOW is still not over, as other health benefits may also enhance. i.e. Life extension, anti-aging and the list goes on for potential benefits this incredible, almost miracle like, diatomic hydrogen H-2 molecule may provide. Is it not easy to see WHY Sisel. The MOLECULAR HYDROGEN FOUNDATION and other of the world's leading scientists believes diatomic hydrogen infused, highly oxygenated water is perhaps the single most significant discovery in the history of water to support human health in so many ways!!

Most importantly, Sisel has it! DIATOMIC HYDROGEN H-2 - OXYGENATED WATER is available now!

Diatomic Hydrogen Studies & Benefits published by the Molecular Hydrogen Institute. — Tom Mower Sr.

There are now over 600 "peer reviewed" scientific publications, including 40+ human studies that show Molecular Hydrogen to be therapeutic in essentially every organ of the human body and in over 140 different human disease models. Many of these scientific articles are published in top high-impact factor peer reviewed journals like Nature and Science. Some of the top Universities around the world are researching this hydrogen's therapeutic potential; such as, Nagoya University in Japan, Loma Linda University in California, The Forsyth Institute in Boston MA, the University of Pittsburg Medical Center in Pennsylvania, and many other respected places. Even NASA is researching hydrogen water to protect their astronauts from radiation during space travel.

Long-term treatment of hydrogen-rich saline abates testicular oxidative stress induced by nicotine in mice.<http://www.ncbi.nlm.nih.gov/pubmed/24221909>
In a mouse model of nicotine-induced oxidative stress of the testis, Hydrogen was more effective than vitamin C and vitamin E at improving histological appearance, sperm number and motility, increasing testosterone levels, reducing oxidative stress in the testis, and reducing caspase-3 activity

Selected Human Studies

Supplementation of hydrogen-rich water improves lipid and glucose metabolism in patients with type 2 diabetes or impaired glucose tolerance.<http://www.ncbi.nlm.nih.gov/pubmed/19083400>

Significant decreases in the levels of modified low-density lipoprotein (LDL) cholesterol, small dense LDL, and urinary 8-isoprostanes by 15.5% ($P < .01$), 5.7% ($P < .05$), and 6.6% ($P < .05$), respectively. Hydrogen-rich water intake was also associated with a trend of decreased serum concentrations of oxidized LDL and free fatty acids, and increased plasma levels of adiponectin and extracellular-superoxide dismutase

Effectiveness of Hydrogen Rich Water on Antioxidant Status of Subjects with Potential Metabolic Syndrome—An Open Label Pilot Study:<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2831093/>

The consumption of hydrogen rich water for 8 weeks resulted in a 39% increase in antioxidant enzyme superoxide dismutase (SOD) and a 43% decrease in thiobarbituric acid reactive substances (TBARS) in urine. Further, subjects demonstrated an 8% increase in HDL-cholesterol and a 13% decrease in total cholesterol/HDL-cholesterol from baseline to week 4. Drinking hydrogen rich water represents a potentially novel therapeutic and preventive strategy for metabolic syndrome.

Pilot study: Effects of drinking hydrogen-rich water on muscle fatigue caused by acute exercise in elite athletes.<http://www.ncbi.nlm.nih.gov/pubmed/22520831>
Recently it has been said that hydrogen can function as antioxidant, so we investigated the effect of hydrogen-rich water (HW) on oxidative stress and muscle fatigue in response to acute exercise. Oral intake of HW prevented an elevation of blood lactate during heavy exercise. Peak torque of PW significantly decreased during maximal isokinetic knee extension, suggesting muscle fatigue, but peak torque of HW didn't decrease at early phase. Adequate hydration with hydrogen-rich water pre-exercise reduced blood lactate levels and improved exercise-induced decline of muscle function.

Consumption of water containing a high concentration of molecular hydrogen reduces oxidative stress and disease activity in patients with rheumatoid arthritis: an open-label pilot study<http://www.ncbi.nlm.nih.gov/pubmed/23031079>
Rheumatoid arthritis (RA) is a chronic inflammatory disease characterized by the destruction of bone and cartilage. Although its etiology is unknown, the hydroxyl radical has been suggested to be involved in the pathogenesis of RA. Recently, molecular hydrogen (H₂) was demonstrated to be a selective scavenger for the hydroxyl radical. Urinary 8-OHdG was significantly reduced by 14.3% ($p < 0.01$) on average. DAS28 also decreased from 3.83 to 3.02 ($p < 0.01$) during the same period. All the 5 patients with early RA (duration < 12 months) who did not show antibodies against cyclic citrullinated peptides (ACPs) achieved remission, and 4 of them became symptom-free at the end of the study. The results suggest that the hydroxyl radical scavenger H₂ effectively reduces oxidative stress in patients with this condition. The symptoms of RA were significantly improved with high H₂ water.

Hydrogen(H₂) treatment for acute erythematous skin diseases. A report of 4 patients with safety data and a non-controlled feasibility study with H₂ concentration measurement on two volunteers<http://www.ncbi.nlm.nih.gov/pubmed/22607973>

Very impressive results with pictures

Great review articles:

- <http://www.ncbi.nlm.nih.gov/pubmed/23680032>
- <http://www.ncbi.nlm.nih.gov/pubmed/24769081>
- <http://www.medicalgasresearch.com/content/1/1/10>
- <http://www.ncbi.nlm.nih.gov/pubmed/22475015>

Benefits of Hydrogen

Here is a summary of just a few of the many potential benefits of hydrogen gas.

- Antioxidant
- Smallest, most bioavailable
- Selective—only scavenges bad radicals leaving important ones alone
- Converts radicals to water—no toxic byproduct
- Improves the body's antioxidant system (Glutathione, catalase, SOD)
- Helps lower excessive oxidative stress
- Great for athletes
- Decreases lactate (lactic acid) levels
- Supports mitochondrial ATP production
- Supports mitochondrial membrane potential
- May prevent early fatigue
- May prevent micro-injury
- May prevent ROS related overtraining
- Supports rapid recovery
- Helps prevent/recover soft tissue injuries
- Anti-inflammatory
- Anti-allergy
- May help lower blood pressure
- Protects against radiation damage
- Stimulates energy metabolism to help prevent weight gain
- Supports glucose homeostasis
- Stabilizes cholesterol levels
- Increase HDL
- Decrease LDL
- May help prevent erectile dysfunction
- Supports cognitive function
- Prevents age-related decline in cognitive capacity
- Neuroprotective
- Improves skin wrinkles and disorders
- Prevents premature cell death
- Helps ameliorate various gastrointestinal disorders
- Extremely high safety, no toxic affects
- The water tastes smooth and light

For references and more information/studies/testimonials/articles/etc. visit: <http://www.molecularhydrogeninstitute.com/>

WHY DIATOMIC HYDROGEN-RICH WATER? – Tom Mower Sr.

August 25, 2015

Water produced by a Water Ionizer contains Dissolved Molecular Hydrogen Gas (H_2). The gas is in the form of Hydrogen Nano-bubbles, mostly invisible to the naked eye. Molecular Hydrogen has been shown in Research Studies to have the power to act as an Antioxidant, scavenging the most Dangerous Free Radical, the Hydroxyl Radical, as well as having the ability to help our bodies produce their own Antioxidants, such as Superoxide Dismutase, Catalase, and Glutathione, the body's own Master Antioxidant. Because the Hydrogen Molecule is the Smallest Molecule, it has the ability to Penetrate through the Cell Membrane into the Mitochondria, and even through the Blood-Brain Barrier, neutralizing Free Radicals where they are produced. By Drinking Hydrogen-Rich Antioxidant Water produced by a Water Ionizer, you can provide your body with a Daily Supply of Beneficial Antioxidants.

Diatomic Hydrogen Water is the single greatest discovery in the history of water chemistry for human health, I firmly believe and advocate.

According to SGS test, P-H₂ water is also ozonated water which can completely kill E-coli, S-aureus, Candida albicans, Salmonella, and MRSA in 15 seconds, which is equal to 3000 times of chlorine based bactericidal. After sterilization, it reduces into oxygen and will not cause any environmental residual damage.

Water accounts for more than 70% of body composition. Hence, good drinking diatomic hydrogen water gives you significantly improved health. Diatomic hydrogen water has great antioxidant capacity directly from hydrogen. A glass of 200ml of diatomic hydrogen water is equivalent to 4.8g of vitamin C or 100 lemons in terms of anti-oxidation capability. In addition, unlike many other anti-oxidants, hydrogen creates no byproducts after drinking. Hydrogen water is the best anti-oxidant to help eliminate free radicals without leaving any by products to your body. It will reduce most free radicals to water.

H_2 loads the body with large amounts of oxygen and diatomic hydrogen which is anti-oxidant, toxin neutralizing, supports incredible levels of energy, cellular functions use it for enzymes, ATP and incredible health benefits. Look up diatomic hydrogen and see all that this miracle molecule can do. Sisel's H_2 produces enormous amounts of it and is the most significant break through in water chemistry I believe in history.