

HYDROGEN WATER- LATEST TECHNOLOGY FOR ACNE

TREATMENT

-What is Acne?

Acne is an inflammatory condition of the skin that is characterized by lesions in the dermis. Oxidative stress can be a major factor in the development of acne, as has been found in several scientific studies. It was found that oxidative stress could contribute significantly to acne development through several pathways; these included promoting the production of inflammation-inducing factors.

-Why Hydrogen?

Hydrogen is an element that is light in weight. It is this fact that makes it possible to travel the entire body in the bloodstream. The hydrogen can penetrate into the cells and the nucleus. While there, there is a reduction in free radicals and this is in an area where DNA is normally stored. It is also associated with skin rejuvenation. The effects of hydrogen in our bodies show that this is not a matter to be taken lightly. Drinking the water for 8 weeks without changing diet helps strengthen the body against free radicals.

-How Hydrogen works on Acne?

Molecular Hydrogen (H₂) has been accepted to be an inert and nonfunctional molecule in our body. We have turned this concept by demonstrating that H₂ reacts with strong oxidants such as hydroxyl radical in cells, and proposed its potential for preventive and therapeutic applications. H₂ has a number of advantages exhibiting extensive effects. H₂ rapidly diffuses into tissues and cells, and it is mild enough neither to disturb metabolic redox reactions nor to affect signaling reactive oxygen species; therefore, there should be no or little adverse effects of H₂. The numerous publications on its biological and medical benefits revealed that H₂ reduces oxidative stress not only by direct reactions with strong oxidants, but also indirectly by regulating various gene expressions. Moreover, by regulating the gene expressions, H₂ functions as an anti-inflammatory and anti-apoptotic, and stimulates energy metabolism. However, antioxidants like hydrogen can help to prevent reactive oxygen species (ROS) from accumulating to the level where they can lead to cellular damage and disease such as acne.

Oxidative stress

Oxidative stress (OS) is defined as an unbalance between the production of prooxidant substances and antioxidant defenses.

Generation of reactive oxygen species (ROS) is inevitable for aerobic organisms and, in healthy cells, occurs at a controlled rate. Under conditions of oxidative stress, ROS production is dramatically increased, resulting in subsequent alteration of membrane lipids, proteins, and nucleic acids. Oxidative damage of these biomolecules is associated with aging as well as a variety of pathological events, including atherosclerosis, carcinogenesis, ischemia reperfusion injury, and neurodegenerative disorders.

Call Now: 1800-102-0908

Website: www.kykindia.com