

A Review On Importance Of Kangen Water

S. Raju¹, K. Bharath Kumar Naik² B. Venkata Srinivas³, N. Swarna Latha⁴, V. Tejeswara Rao^{5*}

¹Principal, Govt. Degree College, Narsipatnam, India.

²Government Degree College, Arakuvalley, India

³Department of chemistry, Andhra University Visakhapatnam, India.

⁴Department of Engineering Chemistry, AU College of Engineering, Andhra University Visakhapatnam, India.

^{5*}Associate Professor, MVR Degree and PG College, Visakhapatnam, India.

***Corresponding Author:** Dr. V. Tejeswara Rao

***Associate Professor, MVR Degree and PG College, Visakhapatnam, India. Email: tejavonna@gmail.com.**

Abstract

Kangen Water helps remove free radicals from the body and reactivates important cells, including DNA. It enhances the immune system and improves the self-healing power of the body. Kangen water, thanks to its powerful electrolysis system, is capable of producing Active Hydrogen, a component which plays a very important role in our health. Kangen water is Alkaline Water, antioxidant and micro-clustered; filled with active hydrogen molecules. It is widely known for producing water which caters to different purposes ranging from cleaning and beauty to cooking and drinking. The activated water is produced via electrolysis, a process by which water is decomposed into “alkaline” and “acidic”. Because of this process, the water acquires totally different qualities, turning it into a preventive remedy for many diseases. Activated water, which is also known as “alkaline” and “acidic”, increasingly has more application areas. Activated Water contains active Hydrogen, and its high concentration leads to its healing power.

Keywords: Alkaline ionized water, active hydrogen, kangen water, healing power.

Introduction

1883 – 1970, Otto Warburg says “Cancerous tissues are Acid Tissues. Whereas healthy tissues are Alkaline.” In 1931 Otto Warburg received Nobel Prize for his research in the field of cellular respiration. Some decades ago Dr. Otto Warburg, the only doctor who has won two Nobel prizes in the same field while alive demonstrated that cancer is an aerobic, i.e., it takes place in the absence of free oxygen. Warburg’s theory states: “All normal cells necessarily need oxygen. In contrast, cancer cells can live without it - a rule without exception.”

Kangen water is produced thanks to a medical device developed in Japan over 38 years ago. It’s been more than three decades of clinical studies demonstrating that Kangen Water helps remove free radicals from the body and reactivates important cells, including DNA. It enhances the immune system and improves the self-healing power of the body. In 1998, Dr. Shirahata from the University of Kyushu discovered the connection between the Kangen Water and the well-known as Holy Water from (which in many parts of the world is known as “miracle water”). Lourdes (France), Tolacote (Mexico), Nordenou (Germany), Hitatenryo (Japan). In these parts of the world, this water is known for its great healing powers, and its effectiveness against many diseases. Dr. Shirahata found a strong similarity in the water from these different cities. They all have a large number of active hydrogen molecules and powerful antioxidant properties, with an ORP below -250m. “The active hydrogen” is the reason behind such amazing healing abilities. Kangen water is capable of producing Active Hydrogen, a component which plays a very important role in our health. Kangen water is Alkaline Water, antioxidant and micro-clustered; filled with active hydrogen molecules.

Dr. Gerald Bresnahan, Cardiologist of Barack Obama, says “We have understood the importance of the alkaline diet for decades. We have not succeeded in getting our patients to have a completely alkaline diet because we cannot consume enough alkaline food to keep our body alkalinized. We need to have something to change our body’s pH from acid to alkaline based on something daily, such as water. Thanks to that we can keep our bodies with optimum pH. Hundreds of thousands of our patients have seen remarkable results from drinking Kangen Water. We are doing our part to bring this technology to the medical community in the United States because Kangen Water is revolutionizing the health, fitness and well-being of our nation. This is a breakthrough for all and will change the lives of millions of people.

In the field of food science and technology, water is an important ingredient influencing taste, rheology and preservation of foods. However, it is not yet well known that drinking water also has physiological functions, and that there are some health-beneficial effects of water [1-2]. In the past decade, the decrease in the quality of tap water because of pollution

of the global environment over time has become a major social problem. Air pollution affects water in soils, rivers, and farm products by acid rain. Chemicals in polluted water are considered to generate oxidative stress in the placenta of pregnant women, and this can cause various types of diseases in newborns [3].

Modern life is abreast on the rapid advancement in technology and life extension. Thus, there is an escalating prevalence of people who suffer from the so-called diseases of civilization such as senile diseases, lifestyle related diseases, and immune-related allergic diseases [4-6]. Lifestyle such as rising consumption of Western food is positively correlated to the accumulation of fats and cholesterol in the body that could lead to burst in reactive oxygen species [7-8]. Although newly developed drugs for a therapeutic approach are rapidly growing. Drugs are often in adequate and are usually accompanied with side effects [9-11]. Therefore, approaches on discovering effective and safer alternative medicine are still necessary to meet both requirements. Advocates on developing novel therapeutics against continuous rising number of various diseases had led to the use of alkaline ionized water (AIW). AIW exhibits special properties such as alkaline pH, micro-clustered water molecules, extremely negative (Oxidation-Reduction Potential) ORP value, and high contents of dissolved hydrogen.

Alkaline water is associated with multiple health benefits. While alkaline water is considered helpful for neutralizing acids in the body, it is also said to rejuvenate the skin, promote weight loss, strengthen muscles and joints as well as prevent lifestyle-driven diseases. The copper filter tank of Alkaline employs the age-old Ayurveda tradition of drinking water preserved in a copper container, and fuses it with state-of-the-art technology.

Even as rapid urbanization and development have led to rising levels of water contamination, water treatment processes are here for people's rescue. Since the Covid-19 threat has hit the world, people are far more conscious about their immunity. The quantity and quality of water intake has a lot to do with it. Many people have even turned to the benefits of alkaline water, which is said to have a higher pH level than regular tap water or Reverse Osmosis (RO) water. Some even go for Kangen water ionizers.

What is Kangen Water?

The term Kangen reportedly comes from Japanese, and means 'return to origin'. It is named after water-ionizing machines which provide the convenience of filtering tap water and turning it into water with different pH ranges. It is widely known for producing water which caters to different purposes ranging from cleaning and beauty to cooking and drinking.

Kangen water is produced thanks to a medical device developed in Japan over 38 years ago. It's been more than three decades of clinical studies demonstrating that Kangen Water helps remove free radicals from the body and reactivates important cells, including DNA. It enhances the immune system and improves the self-healing power of the body. In 1998, Dr. Shirahata [12-15] from the University of Kyushu discovered the connection that exists between the Kangen Water and the well-known as Holy Water from (which in many parts of the world is known as "miracle water") Lourdes (France), Tolacote (Mexico), Nordenou (Germany), Hitatenryo (Japan). In these parts of the world, this water is known for its great healing powers, and its effectiveness against many diseases. Dr. Shirahata found a strong similarity in the water from these different cities. They all have a large number of active hydrogen molecules and powerful antioxidant properties, with an ORP below -250m. "The active hydrogen" is the reason behind such amazing healing abilities. Kangen water is produced by powerful electrolysis system, capable of producing Active Hydrogen, a component which plays a very important role in our health. Kangen water is Alkaline Water, antioxidant and micro-clustered; filled with active hydrogen molecules.

Doctor Hiromi Shinya is known as a pioneer in the creation of modern colonoscopy techniques.

Why does he recommend Kangen Water?

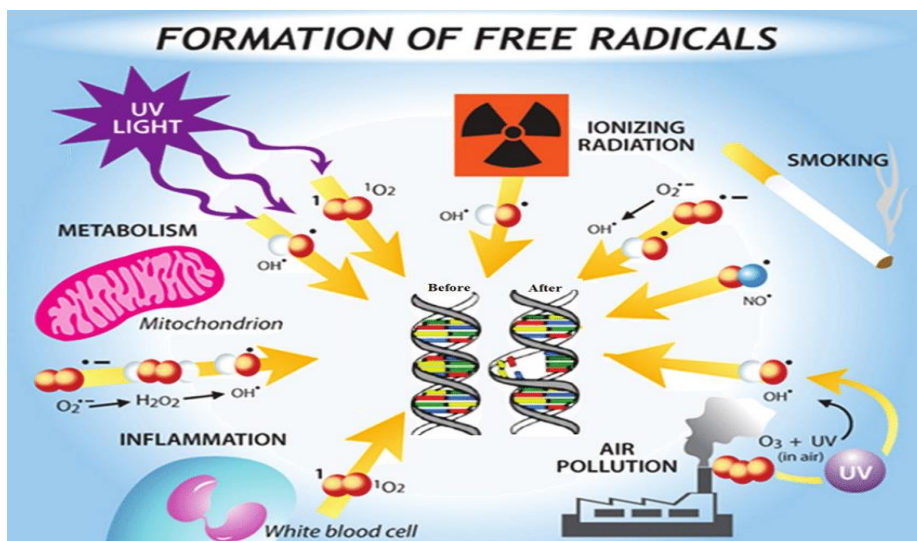
1. Strong reducing power, able to eliminate free radicals using antioxidants.
2. It is free of harmful substances to the human body. (Purified water)
3. It has a molecular micro cluster. This allows it to be more hydrating.
4. It has the right balance of minerals (calcium, magnesium, potassium and sodium)
5. Because of being alkaline, it helps the body keep an optimal pH level.

What does he recommend?

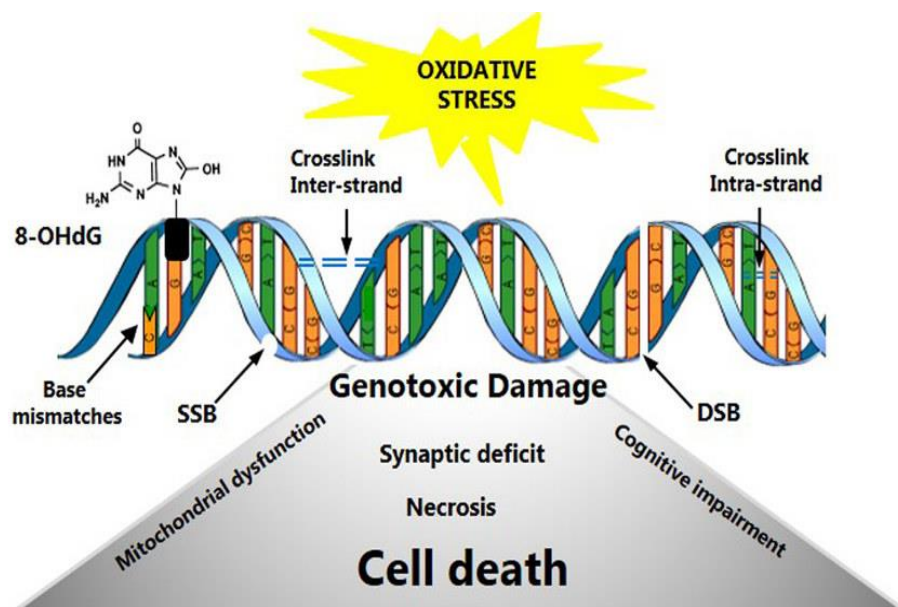
- Drinking 6-10 glasses of water a day
- Drinking 1-3 glasses of water as soon as you get up
- Drinking 2-3 glasses of water 60 minutes before meals.

WHAT ARE FREE RADICALS?

Free radicals are atoms or groups of atoms with an unpaired number of electrons. They are formed when oxygen interacts with certain molecules. When these highly reactive radicals are formed, a chain reaction is initiated. The danger starts when they begin to interact with DNA or cell membrane. Because of this the cells can malfunction and even die. The defence against free radicals is to consume antioxidants.



REPRESENTATION OF A FREE RADICALS ATTACK



REPRESENTATION OF PROTECTION WITH ANTIOXIDANTS

Kangen Water is a powerful antioxidant. It acts as an essential component to maintain optimal health due to its high ability to neutralize free radicals. Kangen Water pH 9.5 contains a high level of antioxidants. (The lower the ORP, the greater the antioxidant capacity).Kangen Water has a value [ORP] of approximately- 400, more antioxidant than consuming green tea or oranges. Drinking Kangen Water, we can rejuvenate and prevent the formation of chronic diseases, such as: Diabetes, arthritis, cancer or heart disease.

Kangen Alkaline Water prevents the appearance of diseases and slows ageing process down. The cause of ageing is having an insufficient level of bicarbonates in our body. The main Function of Alkaline Water is to provide Bicarbonates to the body and neutralize Acids.

It provides essential minerals, promotes normal blood flow and keeps the pH value in blood, a value ranging from 7.365 (slightly alkaline). Most food we consume creates acid levels in our body, which unbalances the pH level in our blood. In order to rebalance our pH, our body acquires alkaline properties from different parts of our body, mainly bones and teeth. By drinking Alkaline Water, we help our bodies establish this balance. Alkaline Water is known to increase the hydration of the body and due to efficiency in the penetration of our cells. It helps neutralize acids and remove toxins from our body. It is structural Plate Micro Cluster.

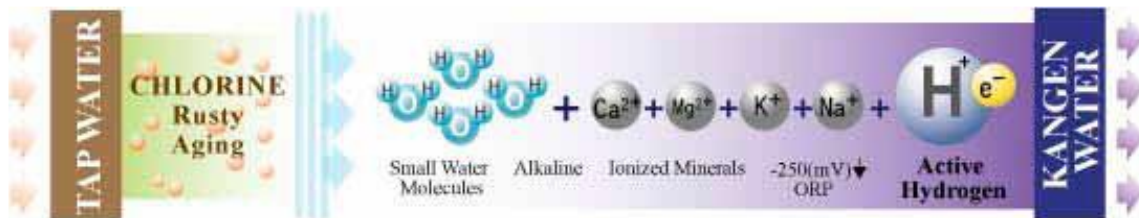
Kangen Water Active Water

Activated Water contains active Hydrogen, and its high concentration leads to its healing power. The activated water is produced via electrolysis, a process by which water is decomposed into “alkaline” and “acidic. Because of this process, the water acquires totally different qualities, turning it into a preventive remedy for many diseases. Activated water, which is also known as “alkaline” and “acidic”, increasingly has more application areas.

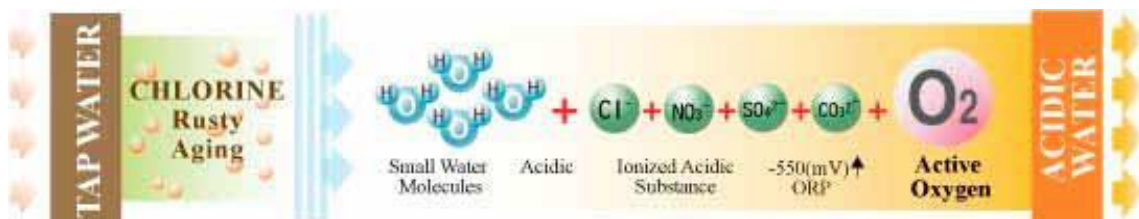
“When the concentration of active hydrogen in the body is high, this reacts with active oxygen, turning it into clean water, which we will expel from the body.” (Professor Shirahata)

Active Hydrogen

Thanks to its powerful electrolysis camera, Go plus Kangen Water ionizers produce a big amount of Active Hydrogen. Very beneficial to our health. Active hydrogen reacts with active oxygen, which is the cause of many diseases. When the active hydrogen reacts with the active oxygen, water (H₂O) is generated. Unlike Active Hydrogen, Active Oxygen is a strong oxidant that destroys the cells by oxidation. Active Oxygen forms within our body when cells generate energy and we are much stressed.

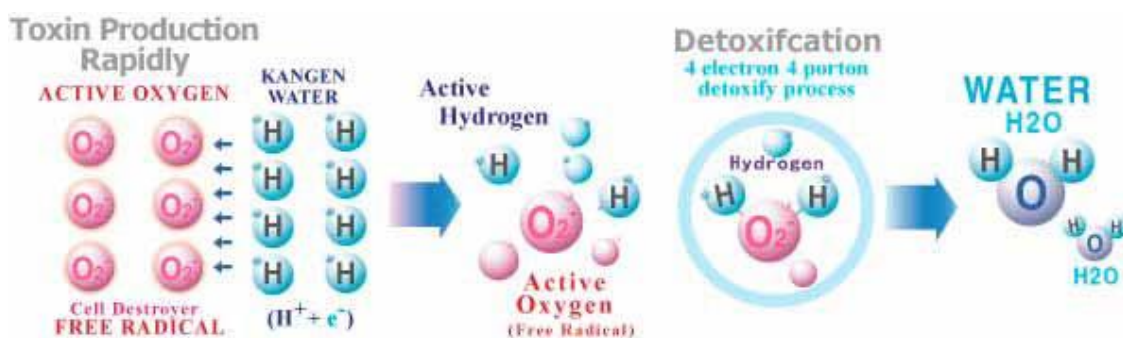


PRODUCTION PROCESS FOR KANGEN WATER



PRODUCTION PROCESS FOR ACID WATER

Active Hydrogen + Active Oxygen = H₂O



Research Known facts

The Ministry of Health, Labor and Welfare (Japan) recognized the following benefits of Kangen Water: It inhibits the abnormal fermentation of the digestive tract.

- It prevents chronic diarrhea.
- It relieves digestive disorders
- It relieves the excess of stomach acid.

NUMEROUSSCIENTIFIC STUDIES

Many physicists have spoken on television or in newspapers about the benefits of Kangen Water to combat lifestyle-related diseases, cancer, diabetes and dermatitis. The following are some of the uses of Kangen Water as a medicinal treatment which have been shown on television in recent years:

1. Kangen Water was used to help relieve lower extremity gangrene caused by diabetes.
2. Kangen Water relieves severe cases of atopic dermatitis.
3. The cancer begins to decline after the patient starts taking Kangen Water.

ALKALINE KANGEN pH 8.5 – 9.5 POTABLE

Perfect for drinking and cooking healthily. It causes the body to regain a more alkaline state, optimizing health. Below, find out what Kangen Water can do for you:

Drinking Kangen water: Drink Kangen Water during the day. Unlike tap water, there is no unpleasant odor, it is lighter and has a pleasant sweet taste.

Vegetable preparation: Wash vegetables and fish. Enhance the flavor of broccoli, onions, etc. pre-boiling them with Kangen Water. Use less seasoning and salt.

Coffee and tea: You can use less coffee or tea with Kangen Water, obtaining a full and rich flavor thanks to the water's extraction ability. Plants: Kangen water retrieves the freshness and greenness of your plants. It stimulates germination and improves seedling development.



AN EFFECTIVE ANTI-INFLAMMATORY: WATER pH 11.5

“As an anti-inflammatory, Super Alkaline Water relieves sprains, strains and muscle aches. Any condition where there is pain is caused by inflammation. A man broke his ankle, which caused him a heavy inflammation. In the hospital he was stabilized and had his ankle dressed. He was also scheduled for surgery in three days. When he got home, his ankle was soaked in SUPERALKALINE WATER PH 11.5, reducing inflammation (and pain) 30 minutes later. The day after surgery, the ankle showed no swelling, most of the bruises had disappeared except for a small discoloration directly on the worst rupture. The surgery was scheduled to last about three hours, nevertheless, it took only 45 minutes. The surgeon explained that such brevity was due to the lack of inflammation, totally unexpected by the surgeon based on the patient's condition three days earlier. The bone also healed in half the time due to the consumption of Kangen Water. (Dr Carpenter).

Based on years of research and observation, Concluded that the acidification of the body is the underlying cause of all diseases. This is because many people lead a diet mainly composed of acid forming foods (i.e., sugar, meats, dairy products, yeast breads, coffee, alcohol, starch, etc.) rather than vegetables. In my experience, Kangen Water favors your nutritional program better than anything else. Water is the key and Kangen Water is the best water I know. Anyone trying it will feel it in his own health, no doubt! “

REFERENCES

1. Shirahata, S. (2002). Reduced water for prevention of diseases. In S. Shirahata, et al. (Eds.), *Animal cell technology: Basic & applied aspects*, Vol. 12 (pp. 25e30). Dordrecht: Kluwer Academic Publishers.
2. Shirahata, S. (2004). Reduced water. In *Characteristics and application technology e Application to the fields of agriculture, foods, and medical therapy* (pp. 33e45). Tokyo: N.T.S.
3. Obolenskaya, M. Y., Teplyuk, N. M., Divi, R. L., Poirier, M. C., Filimonova, N. B., Zadrozna, M., et al. (2010). Human placental glutathione S-transferase activity and polycyclic aromatic hydrocarbon DNA adducts as biomarkers for environmental oxidative stress in placentas from pregnant women living in radioactivity- and chemically-polluted regions. *Toxicology Letters*, 196, 80e86.

4. Schneider, H. and Lischinski, M. (1985). Diabetes mellitus in advanced age. 5: Longevity of senilediabetes patients examined in the Neustrelitz district 1962/63. *ZFA*. 40: 47-50.
5. Le Gall, J. Y. and Ardaillou, R. (2009). The biology of aging. *Bull. Acad. Natl. Med.* 193: 402-404
6. Candore, G., Balistreri, C. R., Colonna, R. G., Lio, D., Listi, F., Vasto, S. and Caruso, C. (2010). Gender related immune inflammatory factors, age related diseases and longevity. *Rejuvenation Res.* 13: 292-297
7. Cordian, L., Eaton B. S., Sebastian, A., Mann, N., Lindeberg, S., Watkins, B. A., O'Keefe, J. H. and Miller, J. B. (2005). Origins and evolution of the Western diet: health implications for the 21st century. *Am. J. Clin. Nutr.* 81: 341-354.
8. Remig, V., Franklin, B., Margolis, S., Kostas, G., Nece, T. and Street, J. C. (2010). Trans fats in America: a review of their use, consumption, health implications, and regulation. *J. Am. Diet. Assoc.* 110: 585-592.
9. Viner, R. M., Hsia, Y., Tomsic, T. and Wong, I. C. (2010). Efficacy and safety of antiobesity drugs in children and adolescents: systematic review and meta analysis. *Obes. Rev.* 11: 593-602.
10. Kalaitzidis, R. G., Sarafidis, P. A. and Bakris, G. L. (2009). Effects of thiazolidinediones beyond glycaemic control. *Curr. Pharm. Des.* 15: 529-536.
11. Umit, Y., Gulay, S. G., Yildiz, Y., Alpaslan, K., Melih, O. B. and Atilla, B. (2011). Effect of Atorvastatin on CYP2C9 Metabolic Activity as Measured by the Formation Rate of Losartan Metabolite in Hypercholesterolaemic Patients. *Basic Clin. Pharmacol. Toxicol.* 109: 73-77.
12. Shirahata, S., Kabayama, S., Nakano, M., Miura, T., Kusumoto, K., Gotoh, M., et al. (1997). Electrolyzed-reduced water scavenges active oxygen species and protects DNA from oxidative damage. *Biochemical and Biophysical Research Communications*, 234, 269-274.
13. Shirahata, S., Li, Y., Hamasaki, T., Gadek, Z., Teruya, K., Kabayama, S., et al. (2007). Redox regulation by reduced water as active hydrogen donors and intracellular ROS scavengers for prevention of type 2 diabetes. In E. Smith (Ed.), *Cell technology for cell products* (pp. 99-101). Dordrecht: Springer.
14. Shirahata, S., Murakami, E., Kusumoto, K.-I., Yamashita, M., Oda, M., Teruya, K., et al. (1999). Telomere shortening in cancer cells by electrolyzed-reduced water. In K. Ikura (Ed.), *Animal cell technology: Challenges for the 21st century* (pp. 355-359). Dordrecht: Kluwer Academic Publishers.
15. Shirahata, S., Nishimura, T., Kabayama, S., Aki, D., Teruya, K., Otsubo, K., et al. (2001). Anti-oxidative water improves diabetes. In E. Lindner-Olsson, et al. (Eds.), *Animal cell technology: From target to market* (pp. 574-577). Dordrecht: Kluwer Academic Publishers.