

Metadichol and Skin; Vitamin C Production

What is Metadichol?

Metadichol® is a proprietary and patented formulation of water-soluble policosanol. It is manufactured using nanotechnology in an FDA approved facility in Switzerland. It helps to regulate the immune system, serves as an active anti-microbial agent and improves longevity. It has a size of less than 70 nm and is half the size of a human virus.

Metadichol is covered by 3 US patents (8,722,093, 9,034,383 and 9,006,292). Also, it is approved in China, Japan, EU, Australia, Mexico, Chile, South Africa, India, Singapore Korea, Russia. Our patents cover 85% of the world's population.

In what form is Metadichol available?

It is available as a spray, edible gel and in cream form. The ingredients in Metadichol are food ingredients present in many foods we consume daily. It has no known side effects and is safe for any age group. It is safer than salt and sugar.

How does Metadichol work?

It works by activating nuclear receptors that are present in the nucleus of all cells. We have 48 of them, and it is the Vitamin D receptor (VDR) that is responsible for enhancing immunity, which is present in almost all organs and tissues of the body, and by improving immunity it helps the body heal itself.

Humans and Vitamin C

About 40 millions years ago, humans lost their ability to produce vitamin C. Four enzymes are required to convert sugars circulating through the liver into ascorbate, the scientific term for vitamin C. Humans universally carry a defective gene that can no longer produce the fourth enzyme (gulonolactone oxidase) required to synthesize vitamin C. Animals do this naturally, more so under stress when sugar stores are released, and do not exhibit the common form of arterial and heart disease as do humans. There is no drug that can make up for the shortage of vitamin C, which results in a wide array of diseases, including cataracts, gallstones, aneurysms, allergy, vulnerability to viruses, anemia, arterial cholesterol plaque, hypertension, peripheral arterial disease, angina, sudden-death heart attacks and cancer. Better-designed drugs aren't needed, just supplemental vitamin C.

Limitation of Vitamin C supplements in Humans

Man is one of the few mammals unable to manufacture ascorbic acid in his liver. Most other animals, except the ape-family and guinea pigs, produce ascorbic acid in the liver from glucose in amounts much higher than we get from our diets today.

Why can't we take more Vitamin C?

When you supplement with a 500 milligrams dose, then absorption levels appear complete, and rate of absorption begins to decrease. Vitamin C reaches an optimal level and additional uptake of ascorbic acid is rapidly excreted by the kidneys.

Why is increasing Vitamin C important for human health?

The chief role of vitamin C, also known as ascorbate and ascorbic acid, is as a water-soluble antioxidant. Vitamin C is also required for the maintenance of normal connective tissue, for wound healing and for the remodeling of bone. Vitamin C is also needed as a cofactor in the synthesis of epinephrine (adrenalin) and bile acids, as well as thyroxin (thyroid hormone) synthesis, amino acid metabolism, strengthening resistance to infection and aiding in the absorption of iron.¹ This array of mechanisms contributes to vitamin C's impact on many major health problems.

What other role does Metadichol play in maintaining a healthy natural looking skin?

Vitamin C reaches every cell of the body and all organs and tissues as an antioxidant for the maintenance of health. Metadichol increases Vitamin C levels in plasma and eliminates the need to have vitamin supplements. It reaches levels not possible even by taking orally 10 gms of Vitamin C.

Are there studies that show the efficacy of Metadichol in increasing Vitamin C levels and improving key biomarkers in diseases?

We have many peer-reviewed publications and see below some examples of Metadichol's action in increasing Vitamin C levels over and beyond what is achieved by supplementing with 500 mg or multi grams of Vitamin C.

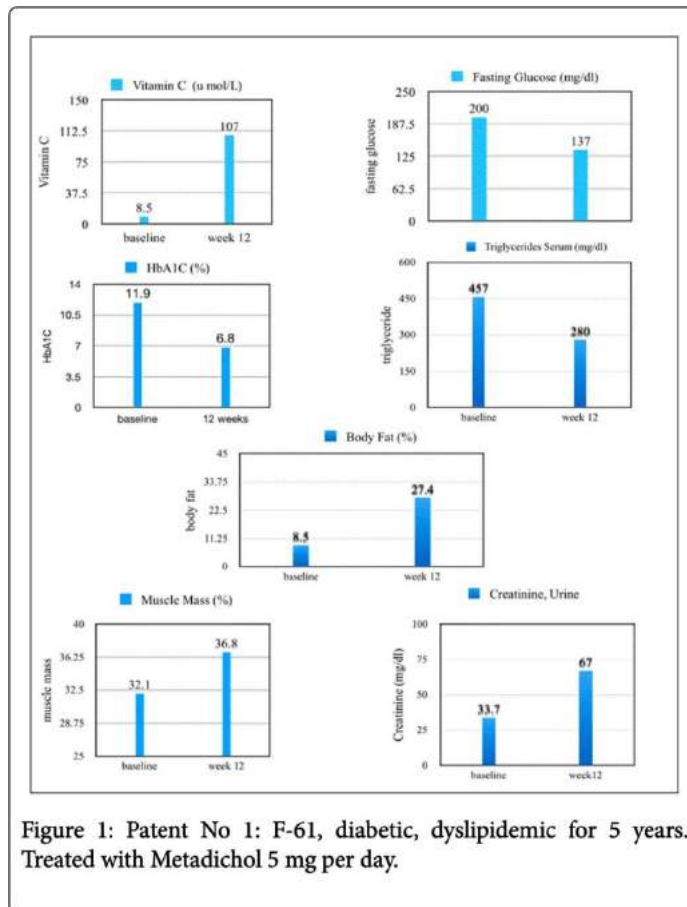
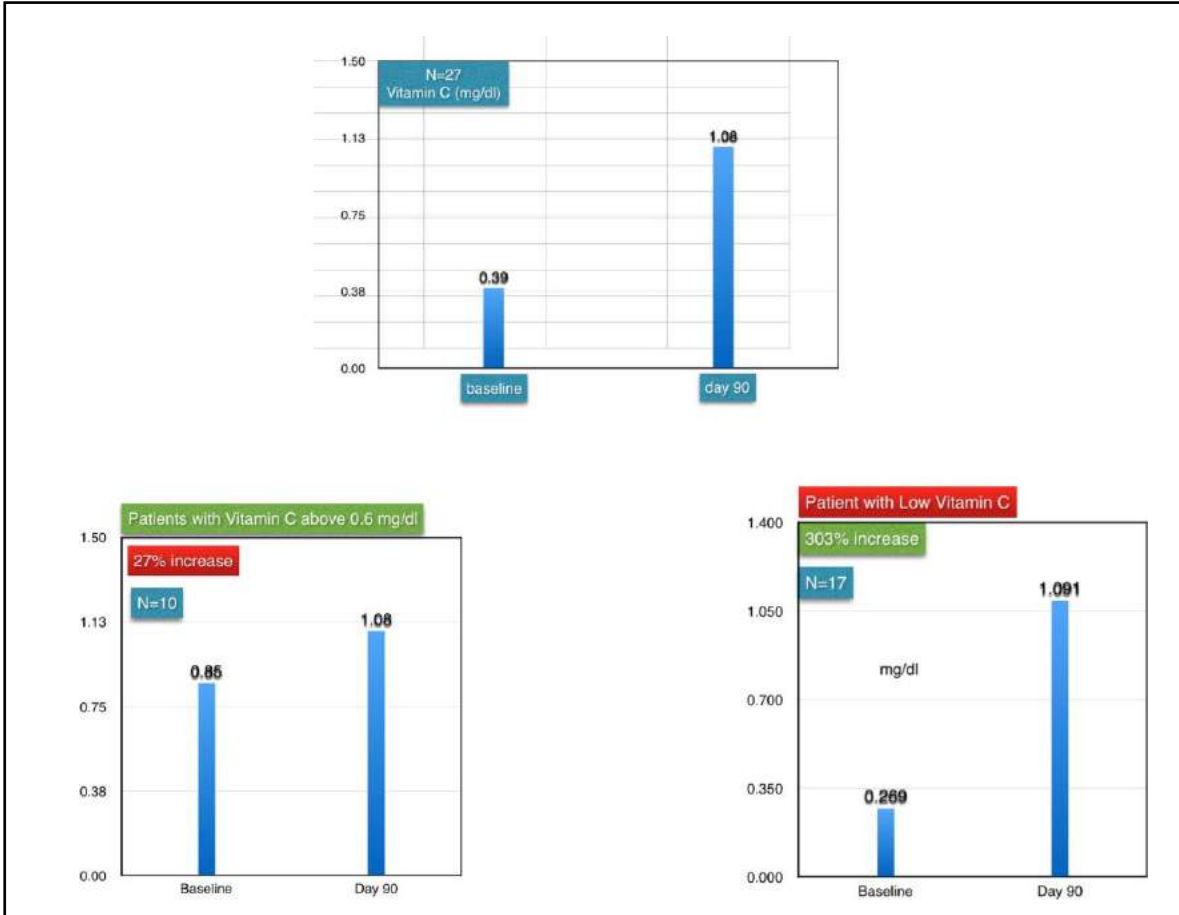
Summary

Metadichol is a safe food-based ingredient in Nano form that has unique uses in many diseases which are impacted by Vitamin C levels . It is a safe, natural Vitamin C and Vitamin D substitute required for a young vibrant and disease-free healthy living life style.

About Nanorx Inc.

Nanorx Inc was founded in 2008. Dr.P. R. Raghavan, CEO of Nanorx INC has a Ph.D. in Organic Chemistry from Oregon State University (1979) and an M.S in Chemistry (1972) from I.I.T Mumbai, India. He has worked on drug discovery for over 25 years at Columbia University, Max-Planck Institute, Germany, Novartis, and Boehringer-Ingelheim Pharmaceuticals clinical research. He is the author of over 30 patents and 25 peer reviewed publications.

From our paper on Metadichol Induced High Vitamin C levels patient study.



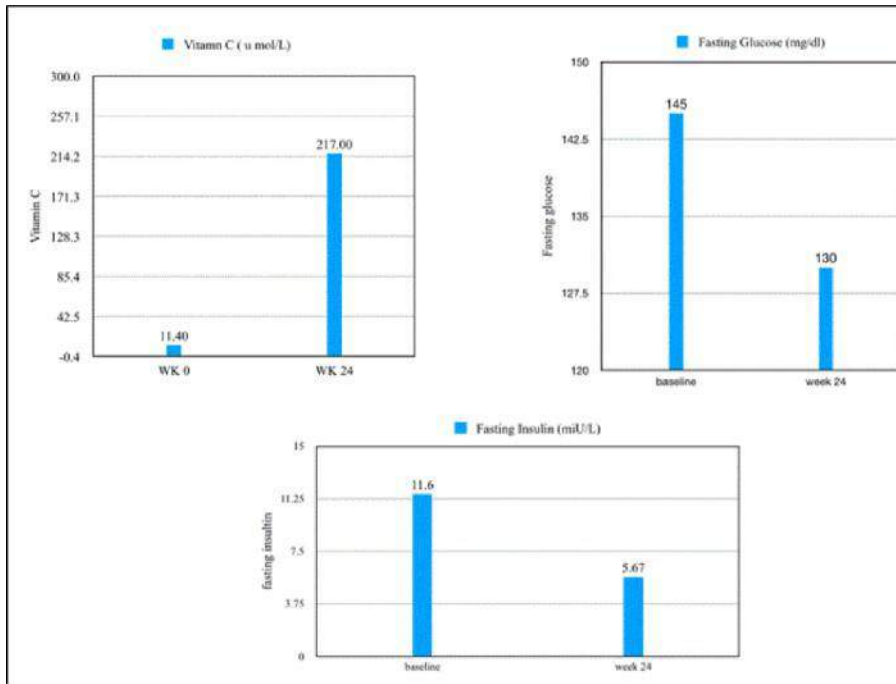


Figure 2: Patient No 2. F-43, type 2 diabetic. Diagnosed at age 37. Treated with Metadichol at 5 mg per day.

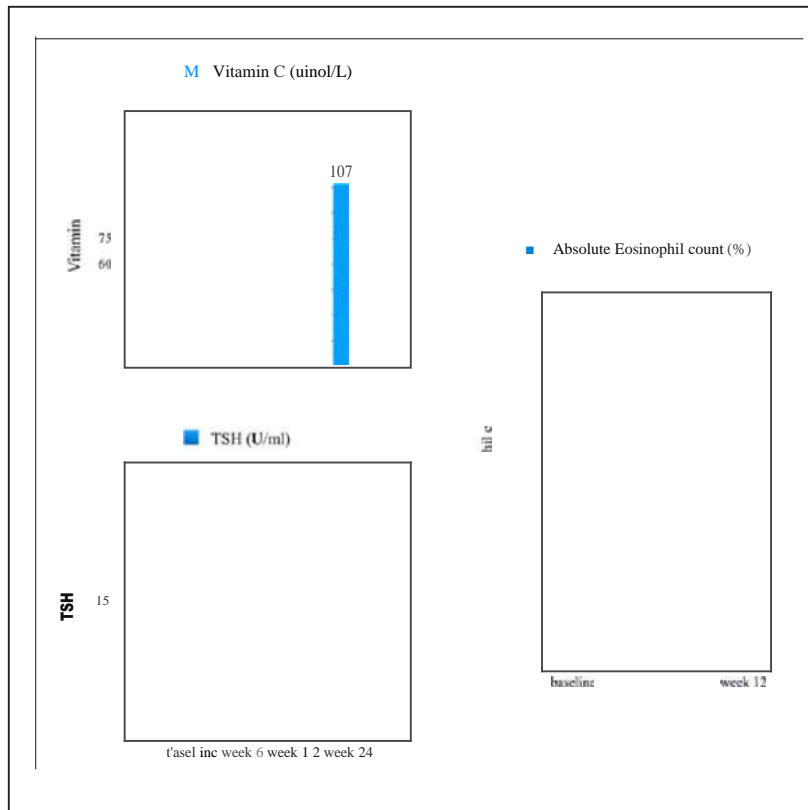


Figure 3: Patient No-3 Female-51. Co-morbidities Asthma Hypothyroidism. Metadichol treatment at 5 mg per day.

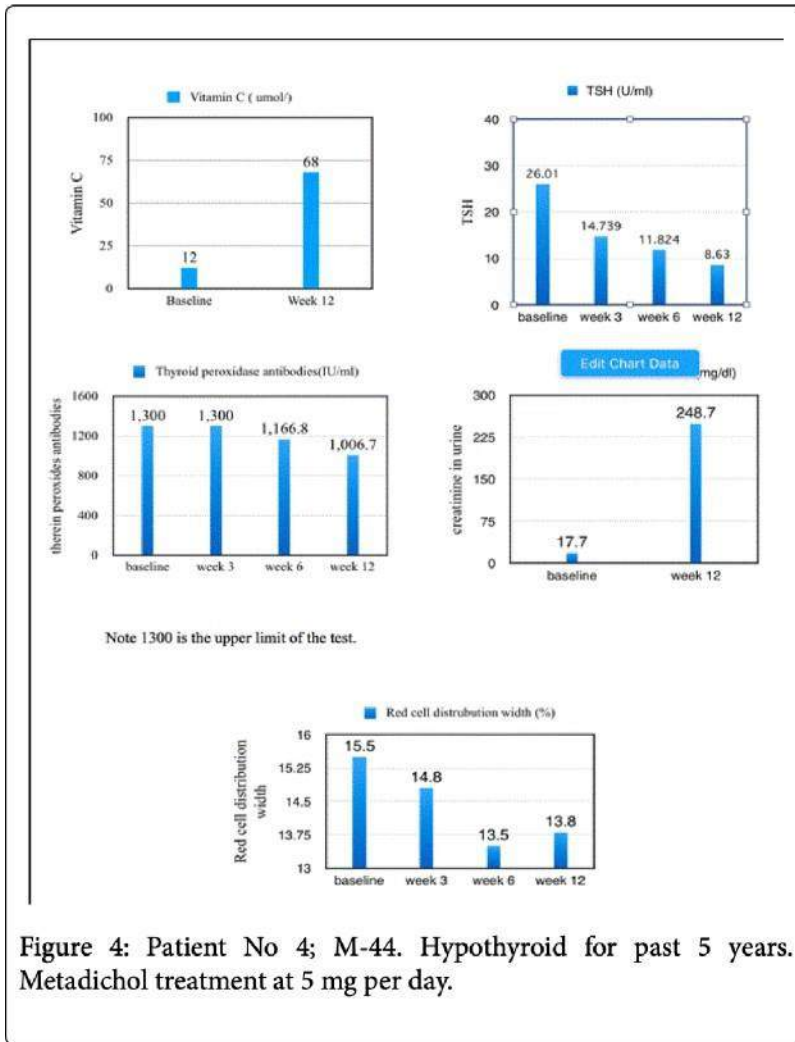


Figure 4: Patient No 4; M-44. Hypothyroid for past 5 years. Metadichol treatment at 5 mg per day.

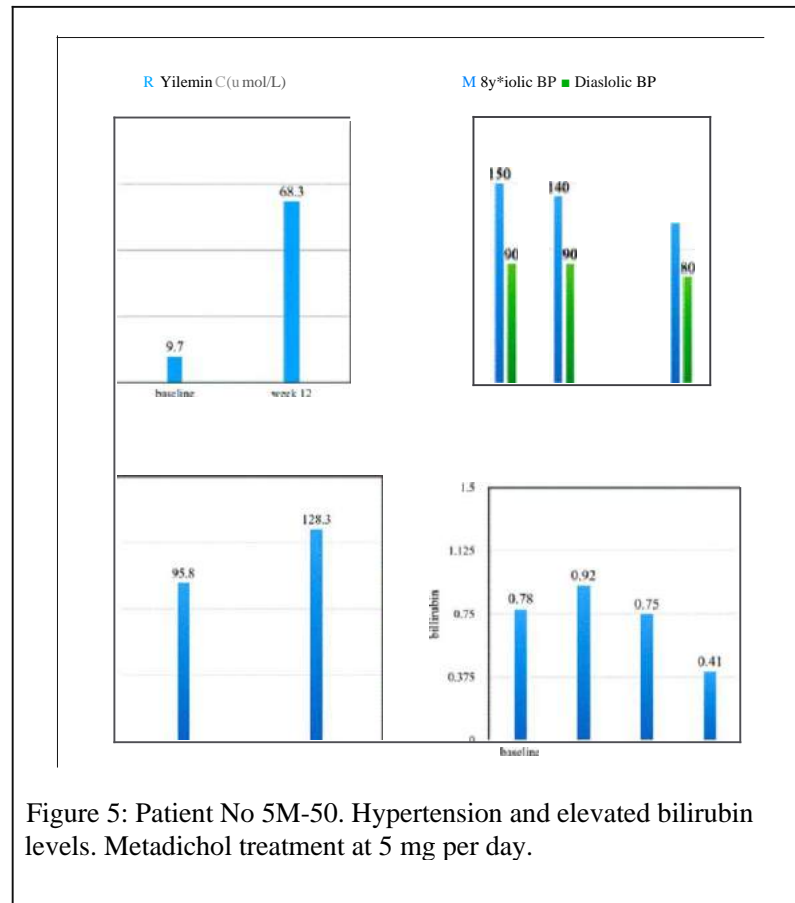


Figure 5: Patient No 5M-50. Hypertension and elevated bilirubin levels. Metadichol treatment at 5 mg per day.

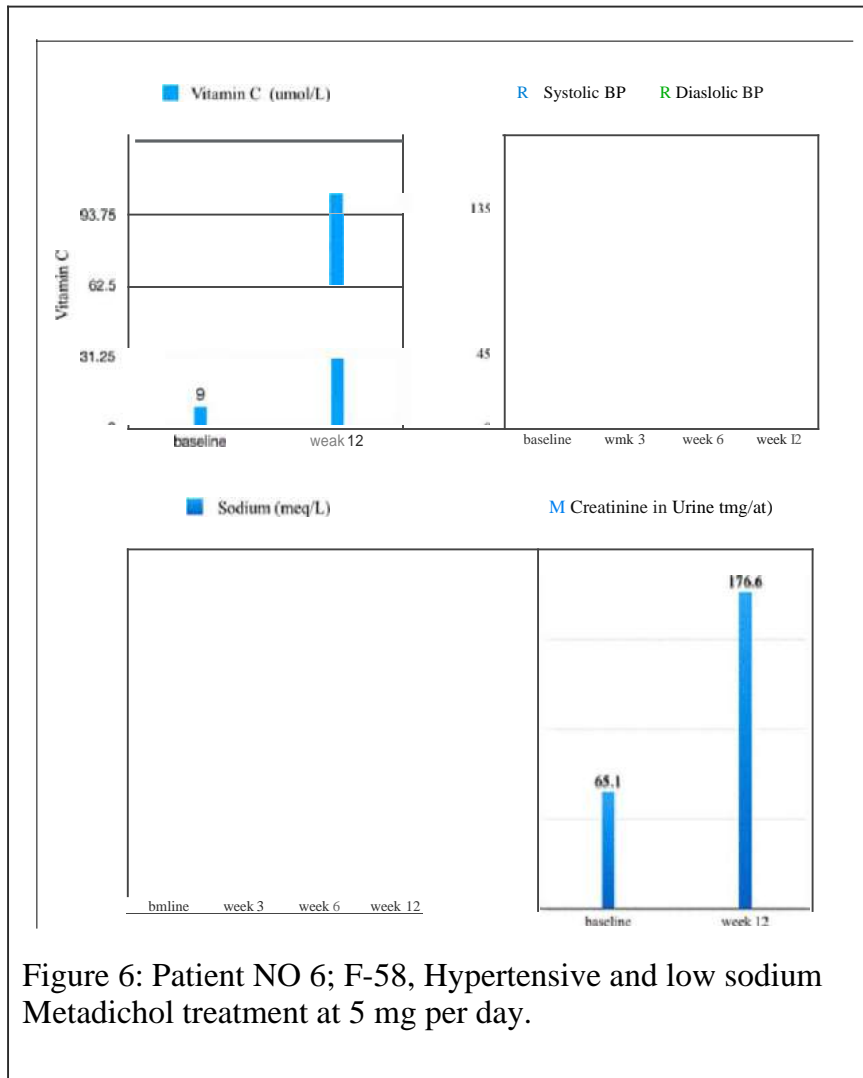


Figure 6: Patient NO 6; F-58, Hypertensive and low sodium Metadichol treatment at 5 mg per day.