



Neovital

For a healthy gut

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Dear reader

Chronic intestinal inflammation is a common cause of various diseases, some of which are serious. Neovital is a natural product that has been proven to have a great and rapid positive influence on the inflamed intestine and thus numerous diseases.

We would be happy to provide you with information about Neovital and how it works. Dr. med. Henry Krah often treats patients with various chronic diseases with Neovital in his practice for functional pain therapy and gynecology in Erfurt. Please read the corresponding case study.

We hope we can be of assistance to you with the following information and sincerely wish you good health!

Profile for Henry Krah, M.D.

Dr. med. Henry Krah has been managing a private practice for functional pain therapy and gynecology in Erfurt since 2008. He is a conventional physician and gynecologist with numerous additional training courses such as osteopathy, chiropractic, training in TCM, etc. In addition to his work in the practice, he is active in congresses and seminars and also manages the company Granolis, which produces products such as Neovital and Immuno Vida. In this capacity he is significantly involved in their research and development.



Chronic inflammation and the intestines

Weakening or reducing chronic inflammation is one of the most important therapeutic goals in the treatment of chronic diseases, in anti-aging therapy, in the treatment of immune disorders or malignant diseases (cancer).

„Chronic Inflammation can cause significant damage to cells and tissues and lead to a variety of diseases. Very often they originate in the intestine, which is why treatment should begin here.“

We now know that many chronic diseases, and not only the typical inflammatory bowel diseases, but also allergies, intolerances, metabolic and autoimmune diseases are connected with the intestine. Highly interesting correlations exist, which are almost life-shaping in their scope for our modern society and which, if they are understood, even make it possible that apparently chronic processes become treatable.

How is chronic inflammation diagnosed?

An important marker for the detection of chronic inflammation is the so-called TGF beta. This „transforming growth factor beta“ is measured in the blood.

What is TGF beta?

TGF beta regulates a variety of metabolic and immune processes.

IMPORTANT CYTOKINE

Cytokines are proteins that play an important role in the coordination of immune defense. They are produced and released by defense cells but also by many non-immunological cells. In its role as a cytokine, TGF beta influences cell division, controls cell death, regulates cell renewal, controls inflammatory activities and promotes the formation of new blood vessels.

IMMUNE SYSTEM

TGF beta inhibits the activity of several immune cells (defense cells), such as natural killer cells, M1 macrophages or cytotoxic T cells and slows down the maturation of dendritic cells. Chronic elevation of TGF beta leads to severe disorders of cellular immune defense, such as viral and cancer cell clearance. Ultimately, a pronounced immune deficiency which can be the basis of many chronic diseases may develop.

ALLERGIES

TGF beta activates the mast cells involved in the development of allergies. Consequently, TGF beta contributes to the development of allergies. Mast cells are part of the innate immune system. They are present in large numbers at the „interfaces“ of the body, i.e. everywhere where contact with the „outside world“ takes place: On the skin and mucous membranes, but also in the respiratory tract and lungs, as well as in the entire gastrointestinal tract, especially in the intestine. Mast cells are involved primarily at the beginning of the defense against infections and in wound healing, but they also play a major role in type 1 allergies (immediate type). After the initial contact with an allergen, during which the affected person remains asymptomatic, specific IgE antibodies are formed, which attach themselves to the surface of mast cells. Upon the second contact with the allergen, an allergic reaction occurs, whereby the allergens bind to two adjacent IgE antibodies on the mast cells and stimulate the mast cells to release the neurotransmitter histamine.

AUTOIMMUNE DISEASES

TGF beta also promotes autoimmune diseases and leads to chronic infections. Autoimmune diseases (like allergies) are caused by an excessive reaction of the immune system. The difference is that the immune system does not react against external allergens, but against the body's own structures (e.g. certain cells or tissues).

LEAKY GUT SYNDROME

Increased TGF beta is often found in cases of chronic inflammation of the intestinal mucosa, a so-called leaky gut syndrome. As the name suggests, this is an increased permeability of the intestinal mucosa for certain substances. Healthy intestinal cells are tightly connected (by so-called tight junctions proteins), but with leaky gut, food components, as well as bacteria, etc., can pass between the inflamed intestinal cells and enter the bloodstream, which can have catastrophic consequences throughout the body.

HEALTHY INTESTINE

Tight junctions

Healthy intestinal mucosa



INFLAMMED INTESTINE

Leaky Gut

„Leaky” spots in the intestinal mucosa allow bacterial and other toxins to seep through.



TISSUE FIBROSIS

Chronic elevation of TGF beta causes continuous transformation of organ epithelia (organ tissue) into mesenchymal connective tissue (so-called tissue fibrosis). This leads to a pathological proliferation of connective tissue in organs and the tissue of the affected organ hardens.

MALIGNANT TUMORS

Scientific studies prove that TGF beta promotes tumorigenesis, tumor invasiveness (ingrowth into surrounding tissue), and tumor metastasis (formation of layers in distant tissue).

THE NORMAL RANGE

The normal range of TGF beta is between 18 – 40 ng/ml. Any measurement above 40 ng/ml should be monitored and treated.

Case study – Observation from practice

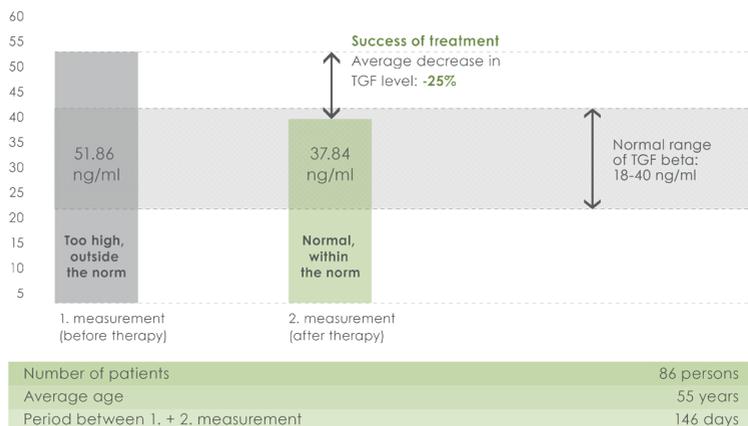
At the practice of Dr. med. Henry Krah in Erfurt, 86 patients with elevated TGF levels with various chronic diseases were treated with Neovital (2 x 5 ml per day) for 5 months.

Patients suffering from a wide range of chronic diseases were diagnosed with inflammation using TGF beta and a PANDA test. The latter is a simple blood test that can be used to diagnose leaky gut syndrome. The patients suffered from e.g. hypertension, energy deficiency, chronic pain, tumors, neurological diseases, allergies or intolerance reactions, etc. Chronic inflammation due to endotoxin exposure was the common denominator in the diseases. Endotoxins are components of the outer cell membrane of certain bacteria. Chemically, they are lipopolysaccharides, or LPS for short. In leaky gut syndrome, these can pass through the intestinal wall into the bloodstream and lead to a cascade of severe reactions and diseases.

RESULT

Following a 146-day treatment, TGF levels had decreased by 25% on average and were now within the normal range. This shows the effectiveness of Neovital for chronic inflammation.

DECREASE IN TGF VALUES



Summary

The above laboratory data, collected on a cross-sectional profile, illustrates the rapid and reliable efficacy of Neovital on basic metabolic and immune processes. This is possible due to a synergistic amplification of individual components in a galenic matrix (dosage form), which allows the highest efficacy. This makes Neovital a basic medication that is indispensable in chronic metabolic and immunological diseases. Finally, another outstanding feature of Neovital is its excellent contribution to cell detoxification.

In summary, Neovital is recommended for chronic inflammatory bowel diseases, as well as any disease resulting from chronic inflammation. Chronic inflammation, toxic stress and increased radical metabolism (free radicals lead to oxidative stress, which is associated with cell damage and can lead to chronic diseases) are the biological target areas.

Report in case of leaky gut

A 40-year-old female patient improved her leaky gut syndrome significantly following daily intake of Neovital. She was able to reduce her PANDA test score from 52% to 20%.

In a 40-year-old woman, a PANDA test showed a 52% deviation. A clear indication of leaky gut syndrome, although she ate a healthy diet and maintained a healthy lifestyle.

After 4 months and daily intake of 5 ml Neovital, 20 ml EM Multi ferment (a cascade fermented probiotic) and 5000 IU vitamin D3, a 2nd PANDA test still showed a deviation of 20% still. Although that is still above the target value of max. 10%, it shows that significant improvements are possible with Neovital in the case of leaky gut syndrome.

PANDA-TEST

During a PANDA test, the platelets from the same blood sample are counted once in an EDTA tube and once in a heparin tube. If there is a deviation of more than 10 %, this is called leaky gut syndrome. (The value from the heparin blood is always the lower value.)

Neovital explained in detail

For one, Neovital contains a high concentration of highly potent vitamins and secondary plant substances (vitamin C, vitamin B12, quercetin, vitamin E, folate, beta-carotene) and, on the other hand, has a special transport system (galenic matrix) which makes absorption in the damaged intestinal villi possible.

This is the major problem with inflamed intestines, namely that the vital substances that are so important for the body cannot be absorbed at all! Due to a technical tour de force of a medical company in Germany, it has been possible to circumvent this hurdle. Among other things, Neovital contains the vitamins in liposomal form. A liposome is a tiny bubble-like structure (vesicle) that is significantly smaller than a human cell. It is made of the same material as a cell membrane and consists of a lipophilic („fat-loving“) outer skin enveloping an aqueous phase. The vitamins are coated with a microscopically thin lipid layer and can be absorbed by the body much better in this liposomal structure than would be the case in dry form. We use soy lecithin to „package“ the individual vitamins in liposomal form. In addition, the high-quality ingredients (described in more detail below) are bound to alpha-lipoic acid in a patented process and thus enter the cells directly.

„Neovital is a basic medication, essential for chronic metabolic and immunological diseases.“

Neovital ingredients

VITAMIN C

Vitamin C is one of the best known vitamins and its effect is very well researched. Among other things, vitamin C contributes to:

- **a normal function of the immune system**
- **reduce fatigue and tiredness**
- **normal mental function**
- **protect cells from oxidative stress**
- **a normal energy metabolism**
- **a normal function of the nervous system**

VITAMIN B12

Vitamin B12 refers to an entire group of chemical substances that are essential for the human organism. Among other things, vitamin B12 contributes to:

- **a normal function of the immune system**
- **a normal function of the nervous system**
- **normal mental functionn**
- **normal energy metabolism**
- **normal formation of red blood cells**
- **reduce fatigue and tiredness**
- **and has a function in cell division**

QUERCETIN

Quercetin is a so-called polyphenol and is found in numerous fruits and vegetables, especially in their skin. According to human studies, the intake of this secondary plant compound has positive effects on general inflammatory parameters, allergic reactions, blood circulation and blood pressure, wound healing, and the consequences of diabetes.

BETA-CAROTENE

Beta-carotene belongs to the group of carotenoids and is the most important preliminary stage of vitamin A. Beta-carotene belongs to the carotenoids with provitamin A character. This means that it can be converted into vitamin A by the body. Vitamin A comes from animal sources. Beta-carotene, however, is found in appreciable amounts only in plants. Vitamin A contributes, among other things:

- **to maintain normal vision**
- **to achieve normal function of the immune system**
- **to maintain a normal iron metabolism**
- **to maintain normal mucous membranes**
- **to maintain normal skin**
- **and has a function in cell specialization**

FOLATE

Folate has various important functions in the immune system and metabolism. Among other things it contributes to:

- **to normal function of the immune system**
- **to reduce fatigue and tiredness**
- **to normal mental function**
- **to normal blood formation**
- **to normal amino acid synthesis**
- **and has a function in cell division**

VITAMIN E

Vitamin E acts primarily as a powerful antioxidant, protecting cells from aggressive free radicals and their negative effects throughout the body (oxidative stress).

„The sophisticated transport system and a patented process ensure that the high-quality vital substances in Neovital go directly into the cells and the bloodstream. Even and especially when your intestines are causing you difficulties.“



Healthy Intestines = Healthy Immune System

Neovital contains vitamins C, B12, E, folate (vitamin B9) and beta-carotene (provitamin A) in lipid form with increased bioavailability. Specific manufacturing increases absorption to a high degree. Neovital can provide urgently needed vital substances into the body even in the case of inflamed intestinal mucosa and counteract the inflammation.

- Supports digestion and the immune system
- Reduces fatigue and tiredness
- Supports mental functions and the nervous system
- Helps cells protect against oxidative stress



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