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Intestinal parasites as a disturbance factor in allergic diseases

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Also when it spreads over the skin – the neurodermatitis is anything but a pure skin disease. At the Several factors are decisive for allergic forms diseases: allergens, infections and Environmental pollutants. All three factors can be found in every allergy sufferer. Chronic infections of the skin, the Mucus skins and intestines a characteristic of this disease. The latter are mainly caused by bacteria and fungi, can also go back to parasites. But after these, there is usually only rarely searched – although the Search often worth it, as the following explanations show.

Microbial free rider

As the largest body surface, the intestine is of particular importance. Here lies the main contact area with Allergens and other pollutants from the environment. Accordingly, the local protective measures are strong. Before in all the bacterial intestinal flora and the deployment of a significant part of our body immune cells, the prevent uncontrolled transition of harmful substances by the intestinal mucosa.

Many neurodermatitis patients show significant changes in microbial protective flora and weaknesses in the gut immunisation. Such a disturbed barrier function of the intestine provides an open flank for foreign germs this. The role of fungi, especially yeasts of the genus Candida, is now clear in this context edited. But parasites can also use such disorders to settle. This is significant in that since many Allergys involved immune components are actually part of the body's defence against parasites. One parasitic infection therefore may activate allergic reactions. Enough reasons, therefore, Neurodermatitis patients can also think of the possible presence of parasitic infections.

Over 2000 patients examined

The question of whether intestinal parasites actually play a role in neurodermatitis is the specialist clinic Neukirchen pursued together with the L+S AG/Enterosan laboratory. In addition, more than 2000 neurodermatitis patients in the stool were Parasites seasoned. In addition, an examination was carried out for important representatives of the intestinal flora. The result: At Approximately 10% of patients were detected in the stool parasites, almost always in connection with a distinct Disturbance of the intestinal flora.

Increases intestinal parasites in neurodermatitis patients

According to other countries, parasitic infections are only relevant in tropical countries. But this is the same not the reality. Even in the western countries, unicellular one-piece, i.e. only recognizable under the microscope Intestinal parasites quite common. The most famous representatives are Lamblien (Giardia lamblia) and amoeba. In contrast, intestinal infections with worms are much less common in Germany.

In the single-celled parasites, the two parasite species Giardia lamblia and Entamoeba histolytica in appearance. These pathogens were rarely caused by the neurodermatitis patients studied found. Mysteriously more frequently found themselves, their clinical significance in relation to intestinal diseases has not been clearly clarified. Surred species such as Blastocystis hominis, Endolimax nana, Entamoeba coli became and Jodamoeba bütschlii found.

Intestinal parasites as allergy trigger

Even if these parasites do not fundamentally cause intestinal problems, they still provide an unnatural stimulus in the intestine. Finally, they survive by colonizing the mucous membrane cells of the intestine. The consequences: disturbances of the cell metabolism and normal mucous membrane functions. In addition, there are typically neurodermatitis inflammatory and allergic reactions of the skin and intestines. In particular, immunoglobulins of the Class E, defence cells such as eosinophilic granulocytes and mast cells play a decisive role. These to allergic However, processes involved immune components have their original function in the defence against parasitic infections. All these factors lead to tissue damage and thus ultimately to an increased permeability of Intestinal mucosa. Possible allergens are thus facilitated for transition into the body and the course of the disease Neurodermatitis additionally triggered. With parasitic eosinophilia increases and increased Tenth number of masts in combination with the increased IgE titer in allergy sufferers also the risk of allergic reactions.

Also supposedly harmless parasites are a problem

These processes are not only to be expected from the known pathogenic parasites. Even the common as not darmpathogenous species do not belong to the normal flora of the intestine and represent a strong immune stimulus. A symptom picture directly assignable to the parasite is not necessarily given in these cases. It is, however, an additional (immunological) load for the body to be expected. This may presumably be the neurodermitic Strengthen symptoms or contribute to their clinical characteristics. Thus, there are numerous reports on the Link between parasitic gastrointestinal infections and allergies, e.g. blastocystis became hominis and Giardia lamblia as a cause of hives.

Important: Extensive cause search

It is therefore definitely worth searching for parasites in neurodermatitis and other allergic diseases. This is possible non-invasively and painless via a special stool examination. If necessary, targeted can then antiparasitic treatment.

However, this alone is not enough: Ultimately, the detection of parasites in the stool is always an indication of a Weakening of the host organism. Only this allows the parasites to be established in the intestine. Thus, the therapeutic measures, especially on the stabilisation of the host – this sets a broad Diagnosis ahead. The analysis of the "inner environment" serves the quantitative methods, and qualitative investigations of the stool flora, which are supplemented by the microbiological examination of rectal swabs be. The burden of the body emanating from the absent intestine can be recorded by recording bacterial and Fungal-related metabolic products such as fusel alcohols and biogenic amines can be detected in the blood. Serological Investigations of various infectious agents and their toxins (candida spp., mould, staphylococci, Streptococci, E. coli) round off microbiological analysis.

How is the immunological impact?

The recording of immune functions is also part of the causal diagnostics. An important indication of the state The intestinal immune system provides, for example, the proof of the secretory IgA in the stool. Normally covers a Protective layer of this special antibody our all mucous membranes. Only one prevents an intact protective film ultimately the settlement of potentially pathogenic bacteria, fungi and parasites. In patients with Allergies, skin and environmental diseases often experience clear deficits. These can also be based on a Inadequate supply of micronutrients decreases. The elevation of the antibody, vitamin and Trace element status therefore also belongs to diagnostic clarification.

Holistic therapy

Disruptive factors from the environment must also be taken into account when looking at skin diseases in a holistic view be. Exposure to environmental pollutants (e.g. various heavy metals, pesticides, wood preservatives and Food additives) as well as through food and inhalation allergens are therefore also presented in Neukirchen in-house laboratory.

This extensive diagnostic program presents the The basis for a holistic and individual therapy. In doing so, people are at the centre of interest, and not the pathogen. The individual stabilisation of the host organism is decisive. This is based on various therapy columns: pollutant dispenser, intestinal remediation, immunomodulation, balancing of the intermediate Metabolism and psychological care. Different therapy concepts are used: dietary measures such as rotational and search diets on the microbiological therapy of the intestine based on the stool examination up to therapeutic vaccinations and a concentration of psychotherapeutic program. Then have Parasites no longer have a chance!