



Dear Premium Customers,

Our children are the proof!

The new coronavirus spares the very group of people who are actually most likely to pick up any infection that is doing the rounds, namely children. Although they can get infected, they usually develop only mild symptoms. This is due to a special feature of their immune system, namely that it does not go into overdrive, which has been the cause of the vast majority of fatalities from Covid-19.

There are two reasons for this: on the one hand the virgin immune system, which responds in measured fashion due to unfamiliarity, and more importantly, the extremely low levels of inflammaging that the virus infection encounters. This essentially explains the structure of the risk groups.

And this is exactly where the focus of the Salvagene program has long been – to keep silent inflammation values consistently low. Because without inflammation, there is no illness.

Despite being infected by practically every pathogen they encounter, constantly developing a cough and runny nose, playing in close proximity to other children, cuddling up to their parents and not having even a rudimentary understanding of hygiene, children are surprisingly the one group that seems to be escaping the rampant virus.

This first became apparent in a large-scale study carried out by Centers for Disease Control and Prevention (CDC), the leading national public health institute of the United States. Of the 44,000 corona cases examined in this study, only 416 were children aged one to nine years. Children thus accounted for less than one percent of those infected. For older children (nine to 19 years) the figure was 1.2 percent. So far, no child under ten years of age has died.

Children were also included in the sample, and it was shown that, contrary to expectations, they are just as susceptible to infection as adults: the study even showed that the infection rate among those under ten years of age was 10.7 percent, slightly above the 7.9 percent value calculated across all age groups. Study author Justin Lessler sums up the findings as follows: "Children have just as high a risk of getting infected with the virus." The theory previously prevalent among virologists, that children are less likely to fall ill because they are not infected as frequently, has been debunked.

It is clear that the immune system is highly complex: it does not function at a steady level of efficiency from birth to the end of life, nor does it react similarly to all pathogens. In our experiments we can show that the reason for this was not because the immune system was weaker – in fact, it overreacted. And indeed, the most recent analyses of fatalities from Covid-19 indicate that it is not the virus itself but rather the immune system going into overdrive that ultimately leads to death.

This accords with the latest statistics on fatalities from Covid-19: in most patients, sepsis (blood poisoning) occurs in the final stages of the illness. The study also shows that the majority of Covid-19 patients over 60 years of age had underlying health problems such as heart disease or diabetes.

Initial studies showed that the body's own defense system is activated very forcefully in adults – more so than in children. Justin Lessler: "This is because adults have been exposed to viruses belonging to the corona family more frequently in their lives." Antibodies are produced immediately and an inflammatory reaction occurs, which in the worst-case scenario goes over the top. The second reason for the immune system going into overdrive is the more relevant one: "In immunology, we have the term 'inflammaging', which means chronic inflammatory reaction in old age. In adults, the inflammation values in the blood are often chronically elevated." If a viral infection such as SARS-CoV-2 comes along, the immune system will overreact and the organs may fail.

The purpose of our regular inflammation inhibitor test (TNF-Alpha Inhibitor test) is to achieve the optimal immune response and thus perfect immune system modeling, in which the response is neither too weak nor so forceful as to cause a burnout of the system. The use of customized supplements is thereby permanently optimized. The long-term markers for silent inflammation as well as the epigenetic status of the inflammation genes must be monitored regularly.

The performance of the immune system is regularly assessed in the Salvagene Premium Program by means of a detailed test of the regulatory T cells. These are the new heroes of medicine – they distinguish between friend and foe and thus prevent the system from overreacting. The discoverer – Japanese immunologist Shimon Sakuchi – has been awarded the Paul Ehrlicher Prize, a kind of mini-Nobel for medicine. The ceremony on Saturday 3/14 was cancelled due to the coronavirus pandemic. And so the story comes full circle.

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