Health Science News Page

Exclusive Information from the Dr. Rath Research Institute



MICRONUTRIENTS

SUPPORT THE IMMUNE SYSTEM

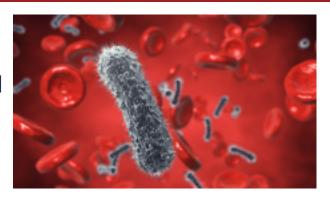
IN FIGHTING ZIKA

AND OTHER VIRAL INFECTIONS

Everyone is exposed to a variety of infectious agents in the environment such as bacteria, viruses, and parasites. Any seasonal change challenges our immune system with new pathogens. This year - even before the start of the flu season - the World Health Organization has declared Zika virus infections an international public health emergency. The Zika virus is not a new virus and is similar to other viruses transmitted by mosquitoes such as West Nile virus, dengue, yellow fever, and Japanese encephalitis. The symptoms of Zika virus infection are similar to normal flu symptoms. They include fever, headache, muscle and joint pain, rash and conjunctivitis. Often there are no symptoms, and in most cases people are not aware that they are infected while they are spreading the virus. Currently, mosquito control is the only way for prevention from Zika infection and there are no treatments available. Therefore, it would be prudent to understand how to support our body's immune system and protect it against Zika or other viral and infectious pathogens.

An optimally functioning immune system is our main and most powerful weapon to recognize and destroy viruses and other foreign pathogens. Certain cells (lymphocytes) in the immune system help remember specific proteins (antigens) which are produced by infectious organisms. The lymphocyte produce antibodies against the antigens as protection from future attacks. The immune system also depends on protection from specific cells in the blood stream as well as the immune modulating organs (lymphoid organs) such as the thymus gland, bone marrow, lymph nodes, spleen, tonsils, and liver. Moreover, the digestive system also contributes to a healthy immune system and the appendix and Peyer's patches in the small intestines are important lymphoid organs, which contribute to immunity to antigens.

A healthy lifestyle including a diet rich in fruits and vegetables, frequent hand washing, sufficient sleep, exercise and other measures are necessary for protecting us against infections. However, an optimum supply of micronutrients is also essential to support a healthy immune system.



Micronutrients help in different stages of a viral life cycle. Vitamin C helps in inactivation of viral DNA thus limiting viral reproduction. Vitamin C also aids in antibody production and phagocytic function of the white blood cells (WBC). Vitamin C and lysine are important for blocking the collagen digesting enzymes and strengthening connective tissue thereby controlling the spread of infectious agents. Antioxidants such as zinc and selenium support lymphoid tissues in the thymus gland and the function of white blood cells. Astralagus extract is a unique immune stimulating agent that also supports WBC production and it has antioxidant properties. Quercetin and iodine are critical for immunity. In synergy with vitamin C, quercetin acts as an anti-inflammatory agent, and iodine supports the function of the thyroid gland. Intrinsic factor is a vital supporter of the immune system and is critical for the absorption of vitamin B12.

Unlike antibiotics, there is no specific treatment available for viral illnesses, and people turn to supplements to support their immune system and boost internal protection against viruses. However, most take only vitamin C for protection against viruses and thus miss an important aspect of synergy. Vitamin C is necessary for immune system support, but it works more efficiently when combined with other micronutrients such as zinc, quercetin, selenium, and intrinsic factor. The efficacy of supplements to build strong immunity depends on a synergistic combination of micronutrients that help generate healthy blood cells and support other immune system organs.

Ref: R. J. Jariwalla, et al., Recent Translational Research in HIV/AIDs, In Tech Publishers, Ch. 25, pp-513-526.

Barbour EK, et al., Int J App Res in Vet Med 2007; 5(1): 9-16 E.K. Barbour, et al., Veterinaria Italiana 2007, 43(1): 43-54

> You can print this News Page at: www.drrathresearch.org, to share it with your practitioner and others.

This information is provided to you by the Dr. Rath Research Institute a leader in the breakthrough of natural health research in the field of cancer, cardiovascular disease and other common diseases. The Institute is a 100% subsidiary of the non-profit Dr. Rath Foundation.

The ground-breaking nature of this research poses a threat to the multi-billion dollar pharmaceutical "business with disease". It is no surprise that over the years the drug lobby has attacked Dr. Rath and his research team in an attempt to silence this message. To no avail. During this battle, Dr. Rath has become an internationally renowned advocate for natural health. Says he: "Never in the history of medicine have researchers been so ferociously attacked for their discoveries. It reminds us that health is not given to us voluntarily, but we need to fight for it."

This information is based on scientific research results. It is not intended to substitute for medical advice to treat, cure, or prevent any disease. © 2016 Dr. Rath Research Institute | Santa Clara, California, USA. We encourage the distribution of this News Page, provided its content remains unaltered

