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Vitamin C Protects Against Coronavirus

by Andrew W. Saul, Editor

(OMNS January 26, 2020) The coronavirus pandemic can be dramatically slowed, or stopped, with the immediate widespread use of high doses of vitamin C. Physicians have demonstrated the powerful antiviral action of vitamin C for decades. There has been a lack of media coverage of this effective and successful approach against viruses in general, and coronavirus in particular.

It is very important to maximize the body's anti-oxidative capacity and natural immunity to prevent and minimize symptoms when a virus attacks the human body. The host environment is crucial. Preventing is obviously easier than treating severe illness. But treat serious illness seriously. Do not he sitate to seek medical attention. It is not an either-or choice. Vitamin C can be used right along with medicines when they are indicated.

"I have not seen any flu yet that was not cured or markedly ameliorated by massive doses of vitamin C."

(Robert F. Cathcart, MD)

The physicians of the *Orthomolecular Medicine News Service* and the International Society for Orthomolecular Medicine urge a nutrient-based method to prevent or minimize symptoms for future viral infection. The following inexpensive supplemental levels are recommended for adults; for children reduce these in proportion to body weight:

Vitamin C: 3,000 milligrams (or more) daily, in divided doses.

Vitamin D3: 2,000 International Units daily. (Start with 5,000 IU/day for two weeks, then reduce to 2,000)

Magnesium: 400 mg daily (in citrate, malate, chelate, or chloride form)

Zinc: 20 mg daily

Selenium: 100 mcg (micrograms) daily

Vitamin C [1], Vitamin D [2], magnesium [3], zinc [4], and selenium [5] have been shown to strengthen the immune system against viruses.

The basis for using high doses of vitamin C to prevent and combat virus-caused illness may be traced back to vitamin C's early success against polio, first reported in the late 1940s.[6] Many people are unaware, even surprised, to learn this. Further clinical evidence built up over the decades, leading to an anti-virus protocol published in 1980.[7]

It is important to remember that *preventing and treating respiratory infections with large amounts* of vitamin C is well established. Those who believe that vitamin C generally has merit, but massive doses are ineffective or somehow harmful, will do well to read the original papers for themselves. To dismiss the work of these doctors simply because they had success so long ago sidesteps a more important question: Why has the benefit of their clinical experience not been presented to the public by responsible governmental authorities, especially in the face of a viral pandemic?

References:

1. Vitamin C:

Case HS (2018) Vitamin C questions answered. *Orthomolecular Medicine News Service*, http://orthomolecular.org/resources/omns/v14n12.shtml.

Gonzalez MJ, Berdiel MJ, Duconge J (2018) High dose vitamin C and influenza: A case report. *J Orthomol Med.* June, 2018, 33(3). https://isom.ca/article/high-dose-vitamin-c-influenza-case-report.

Gorton HC, Jarvis K (1999) The effectiveness of vitamin C in preventing and relieving the symptoms of virus-induced respiratory infections. *J Manip Physiol Ther*, 22:8, 530-533. https://www.ncbi.nlm.nih.gov/pubmed/10543583.

Hemilä H (2017) Vitamin C and infections. *Nutrients*. 9(4). pii:E339. https://www.ncbi.nlm.nih.gov/pubmed/28353648.

Hickey S, Saul AW (2015) Vitamin C: The real story. *Basic Health Pub*. ISBN-13: 978-1591202233.

Levy TE (2014) The clinical impact of vitamin C. *Orthomolecular Medicine News Service*, http://orthomolecular.org/resources/omns/v10n14.shtml

OMNS (2007) Vitamin C: a highly effective treatment for colds. http://orthomolecular.org/resources/omns/v03n05.shtml.

OMNS (2009) Vitamin C as an antiviral http://orthomolecular.org/resources/omns/v05n09.shtml.

Taylor T (2017) Vitamin C material: where to start, what to watch. *OMNS*, http://www.orthomolecular.org/resources/omns/v13n20.shtml.

Yejin Kim, Hyemin Kim, Seyeon Bae et al. (2013) Vitamin C is an essential factor on the antiviral immune responses through the production of interferon- α/β at the initial stage of influenza A virus (H3N2) infection. *Immune Netw.* 13:70-74. https://www.ncbi.nlm.nih.gov/pubmed/23700397.

2. Vitamin D:

Cannell JJ, Vieth R, Umhau JC et al. (2006) Epidemic influenza and vitamin D. *Epidemiol Infect*. 134:1129-1140. https://www.ncbi.nlm.nih.gov/pubmed/16959053.

Cannell JJ, Zasloff M, Garland CF et al. (2008) On the epidemiology of influenza. *Virol J.* 5:29. https://www.ncbi.nlm.nih.gov/pubmed/16959053.

Ginde AA, Mansbach JM, Camargo CA Jr. (2009) Association between serum 25-hydroxyvitamin D level and upper respiratory tract infection in the Third National Health and Nutrition Examination Survey. *Arch Intern Med.* 169:384-390. https://www.ncbi.nlm.nih.gov/pubmed/19237723.

Martineau AR, Jolliffe DA, Hooper RL et al. (2017) Vitamin D supplementation to prevent acute respiratory tract infections: systematic review and meta-analysis of individual participant data. *BMJ*. 356:i6583. https://www.ncbi.nlm.nih.gov/pubmed/28202713.

Urashima M, Segawa T, Okazaki M et al. (2010) Randomized trial of vitamin D supplementation to prevent seasonal influenza A in schoolchildren. *Am J Clin Nutr.* 91:1255-60. https://www.ncbi.nlm.nih.gov/pubmed/20219962.

von Essen MR, Kongsbak M, Schjerling P et al. (2010) Vitamin D controls T cell antigen receptor signaling and activation of human T cells. *Nat Immunol*. 11:344-349. https://www.ncbi.nlm.nih.gov/pubmed/20208539.

3. Magnesium:

Dean C (2017) Magnesium. OMNS, http://www.orthomolecular.org/resources/omns/v13n22.shtml.

Dean C. (2017) The Magnesium Miracle. 2nd Ed., Ballantine Books. ISBN-13: 978-0399594441.

Levy TE (2019) Magnesium: Reversing Disease. Medfox Pub. ISBN-13: 978-0998312408.

4. Zinc:

Fraker PJ, King LE, Laakko T, Vollmer TL. (2000) The dynamic link between the integrity of the immune system and zinc status. *J Nutr.* 130:1399S-406S. https://www.ncbi.nlm.nih.gov/pubmed/10801951.

Liu MJ, Bao S, Gálvez-Peralta M, et al. (2013) ZIP8 regulates host defense through zinc-mediated inhibition of NF-κB. *Cell Rep.* 3:386-400. https://www.ncbi.nlm.nih.gov/pubmed/23403290.

Mocchegiani E, Muzzioli M. (2000) Therapeutic application of zinc in human immunodeficiency virus against opportunistic infections. *J Nutr.* 130:1424S-1431S. https://www.ncbi.nlm.nih.gov/pubmed/10801955.

Shankar AH, Prasad AS. (1998) Zinc and immune function: the biological basis of altered resistance to infection. *Am J Clin Nutr.* 68:447S-463S. https://www.ncbi.nlm.nih.gov/pubmed/9701160.

5. Selenium:

Beck MA, Levander OA, Handy J. (2003) Selenium deficiency and viral infection. *J Nutr.* 133:1463S-1467S. https://www.ncbi.nlm.nih.gov/pubmed/12730444.

Hoffmann PR, Berry MJ. (2008) The influence of selenium on immune responses. *Mol Nutr Food Res.* 52:1273-1280. https://www.ncbi.nlm.nih.gov/pubmed/18384097.

Steinbrenner H, Al-Quraishy S, Dkhil MA et al. (2015) Dietary selenium in adjuvant therapy of viral and bacterial infections. *Adv Nutr.* 6:73-82. https://www.ncbi.nlm.nih.gov/pubmed/25593145.

- 6. Klenner FR. The treatment of poliomyelitis and other virus diseases with vitamin C. *J South Med Surg* 1949, 111:210-214. http://www.doctoryourself.com/klennerpaper.html.
- 7. Cathcart RF. The method of determining proper doses of vitamin C for treatment of diseases by titrating to bowel tolerance. *Australian Nurses J* 1980, 9(4):9-13. http://www.doctoryourself.com/titration.html.

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