

## **Vitamin D deficiency and COVID-19**

**Can vitamin D supplementation prevent complications of the coronavirus infection 2019 (COVID-19) infection?**

**prepared by William F. Marshall, III M. M., Mayo Clinic**

**Abbreviation: Vitamin D deficiency increases the progression of COVID-19, and vitamin D deficiency is more common in older people with a BMI of 30 or more.**

**According to the National Institutes of Health and the World Health Organization, there are insufficient data**

**to recommend the use of vitamin D to prevent or treat the virus that causes COVID-19.**

**Several recent studies have reviewed the effects of vitamin D on COVID-19. One study involving 489 people found that**

**who had vitamin D deficiency, the test for the virus that causes COVID-19 was more positive than in people who had normal levels of vitamin D.**

**Other studies have shown severe vitamin D deficiency in people with COVID-19 who have experienced acute respiratory failure.**

**These people were at significantly higher risk of dying. A small, randomized study showed that of the 50 people hospitalized with COVID-19,**

**who received a high dose of vitamin D (calcifediol) required only one treatment in the intensive care unit. In contrast, among the 26 people**

**patients with COVID-19 who were not prescribed calcifediol 13 had to be treated in the intensive care unit.**

**In addition, vitamin D deficiency is common in the United States, especially among Spaniards and blacks. COVID-19 disproportionately affected these groups.**

**Vitamin D deficiency is also more common in the elderly, people with a body mass index of 30 or more (obesity) and people**

**who have high blood pressure (hypertension). These factors also increase the risk of severe symptoms of COVID-19.**

**However, in recent years, two randomized clinical trials investigating the effects of vitamin D supplements**

**had less promising results. In both studies, high doses of vitamin D were given to people**

**vitamin D deficient and severely ill with non-COVID-19. Vitamin D did not reduce their length of hospital stay or mortality compared with those taking placebo.**

**Further research is needed to determine the role that vitamin D and vitamin D deficiency may play in the prevention and treatment of COVID-19.**

**In the meantime, if you are deficient in vitamin D, talk to your doctor about whether a supplement may be right for you. If you are worried about vitamin D levels, talk to your doctor.**

**What preparations contain vitamin D: Orthomol Immun, Orthomol Arthroplus**

**(vitaminas d, vitamino d trukumas, d vitamina, vitam8na d , vitamino d trukumas, vitaminas d3, vitaminas d ampulè, vitamino d ampule, vitaminas d ampulès,vitamino d trūkumas , vitamino d kaina ,vit d trūkumas**