

عنوان مقاله:

Vitamin D and sepsis

محل انتشار:

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خلاصه مقاله:

Vitamin D receptors are located in body tissues and cells. In various physiological processes of the body the primary circulating form of vitamin D, 25-hydroxyvitamin D, will become the active form, 1,25-dihydroxyvitamin D, through many enzymatic. Although different functions of vitamin D has been identified, reducing the possibility of several chronic diseases, including common cancers, autoimmune, infectious, and cardiovascular diseases is proposed as the major role of this component. According to various experimental and clinical studies, vitamin D affects the immune system activity. In this review we study the possible effects of vitamin D on sepsis. The purpose of this review is to evaluate and summarize the role of vitamin D in the immune system, with particular focus on infections and sepsis. We studied different areas related to vitamin D in the literature review including its roles sepsis and infection incidence, as well as seasonal and racial variation in sepsis. Based on evidence, vitamin D positively affects the immune system, so it might act as a therapeutic strategy. Despite several experimental studies which demonstrated the beneficial effects of vitamin D on improved functioning of the immune system, its association with prevention or .management of infections and sepsis is not revealed through clinical investigations

کلمات کلیدی:

Infection, Immune system, Sepsis, Vitamin D

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