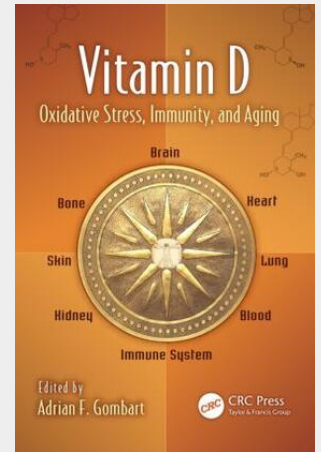


Gombart

## Vitamin D

Oxidative Stress, Immunity, and Aging

Vitamin D insufficiency/deficiency is a worldwide, public health problem in both developed and developing countries. Rickets among infants has reemerged. Low levels of vitamin D are associated with increased risk and mortality from cancer. At the same time, the beneficial effects of vitamin D on a host of conditions have recently been discovered. Focusing on areas not extensively covered in other comparable books, *Vitamin D: Oxidative Stress, Immunity, and Aging* highlights the most recent research findings on the impact of this nutrient in oxidative stress, immunity, and aging. A state-of-the-art compilation of essential information, this book explores: - Vitamin D and its genomic and nongenomic effects, the role of therapeutic analogs in treating disease, and the production of vitamin D by the body - The role vitamin D plays in modulating oxidative stress—with emphasis on cancer, stress-mediated diseases, photo-protection of the skin, and energy metabolism - Beneficial effects of vitamin D in regulating the immune response and its importance in protecting against autoimmune, infectious, and inflammatory diseases - The role vitamin D plays in the regulation of the aging process—including aspects of oxidative stress, senescence, and mortality, as well as its role in protection against cardiovascular disease and nervous system disorders This book represents an important contribution toward understanding the mechanisms by which vitamin D promotes health, increasing awareness of the importance that vitamin D plays during development, at birth, and throughout the aging process. It is a valuable reference for researchers in academia, nutrition, medicine, and industry.



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