

Vitamin D Physiology Molecular Biology And Clinical Applications Volume 1 Nutrition And Health

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Vitamin D | SpringerLink

Vitamin D: Physiology, Molecular Biology, and Clinical Applications, Second Edition, Volume 2 is designed and organized not only to be an up-to-date review on the subject, but also to provide medical students, graduate students, health care professionals and even the lay public with a reference source for the most up-to-date information about the vitamin D deficiency pandemic and its clinical implications for health and disease.

Vitamin D: Physiology, Molecular Biology, and Clinical ...

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Vitamin D physiology.

Physiology The two main forms of vitamin D are: vitamin D3 or cholecalciferol, which is formed in the skin after exposure to sunlight or ultraviolet light, and ergocalciferol or vitamin D2 which is obtained by irradiation of plants or plant materials or foods.

Vitamin D: Physiology, Molecular Biology, and Clinical ...

Vitamin D (the inactive version) is mainly from two forms: vitamin D3 and vitamin D2. Vitamin D3, or cholecalciferol, is formed in the skin after exposure to sunlight or ultra violet radiation or from D3 supplements or fortified food sources.

Vitamin D - Physiology, Molecular Biology, and Clinical ...

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Vitamin D. Molecular Biology, Physiology and Clinical ...

Vitamin D: Physiology, Molecular Biology, and Clinical Applications is the first volume in this series. It is not unexpected that a new book reviewing recent advances in our understanding of the biology and clinical application of vitamin D should appear.

Vitamin D: Physiology, Molecular Biology, and Clinical ...

Severe vitamin D deficiency causes rickets or osteomalacia, where the new bone, the osteoid, is not mineralized. Less severe vitamin D deficiency causes an increase of serum PTH leading to bone resorption, osteoporosis and fractures. A negative relationship exists between serum 25(OH)D and serum PTH.

Vitamin D and prevention of osteoporosis: Japanese perspective

Vitamin D is neither a vitamin nor a hormone, but is created when adequate exposure to sunlight is available to promote the synthesis of vitamin D in the skin . First produced in ocean-dwelling phytoplankton and zooplankton, vitamin D has been made by life forms on earth for almost 1 billion years . Although the physiological function of vitamin D in these lower life forms is uncertain, it is well recognized that the photosynthesis of vitamin D became critically important for land-dwelling ...

Vitamin D Physiology Molecular Biology

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Photobiology of Vitamin D - ScienceDirect

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Vitamin D physiology - ScienceDirect

Dr. Pike's laboratory is focused on the molecular mechanisms whereby vitamin D, the sex steroids, and other systemic hormones regulate the production as well as cellular activity of bone-forming osteoblasts and bone-resorbing osteoclasts.

Vitamin D - 4th Edition

Vitamin D: Physiology, Molecular Biology, and Clinical Applications, Second Edition is designed and organized not only to be an up-to-date review on the subject, but also to provide medical students, graduate students, health care professionals and even the lay public with a reference source for the most up-to-date information about the vitamin D deficiency pandemic and its clinical implications for health and disease.

Vitamin D: Physiology, Molecular Biology, and Clinical ...

Since the pivotal research in the 1960s on the metabolism of vitamin D there has been intense research activity in a number of related areas, including the synthesis and metabolism of vitamin D metabolites and analogues, the molecular biology of the vitamin D receptor, and the mechanisms by which 1,25-dihydroxyvitamin D affects the renal, intestinal, and skeletal transport of calcium.

Vitamin D and neurology - Wikipedia

Vitamin D insufficiency or a low vitamin D status, is a prevalent condition worldwide. However, there have been no studies addressing this public health issue until recently. In this review article, a summary of a series of studies conducted by the author and his colleagues to determine whether the ...

Vitamin D - Physiology, Molecular Biology, and Clinical ...

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Review Vitamin D physiology - MeanderMC

Vitamin D supplementation to vitamin D-deficient elderly results in an increase of serum 25(OH)D levels and decrease of serum PTH and an increase of bone mineral density. This increase may depend on variations in the vitamin D receptor DNA structure, so called polymorphisms.