Vitamin D: Physiology, Molecular Biology, and Clinical Applications (Nutrition and Health)

From Brand: Humana Press
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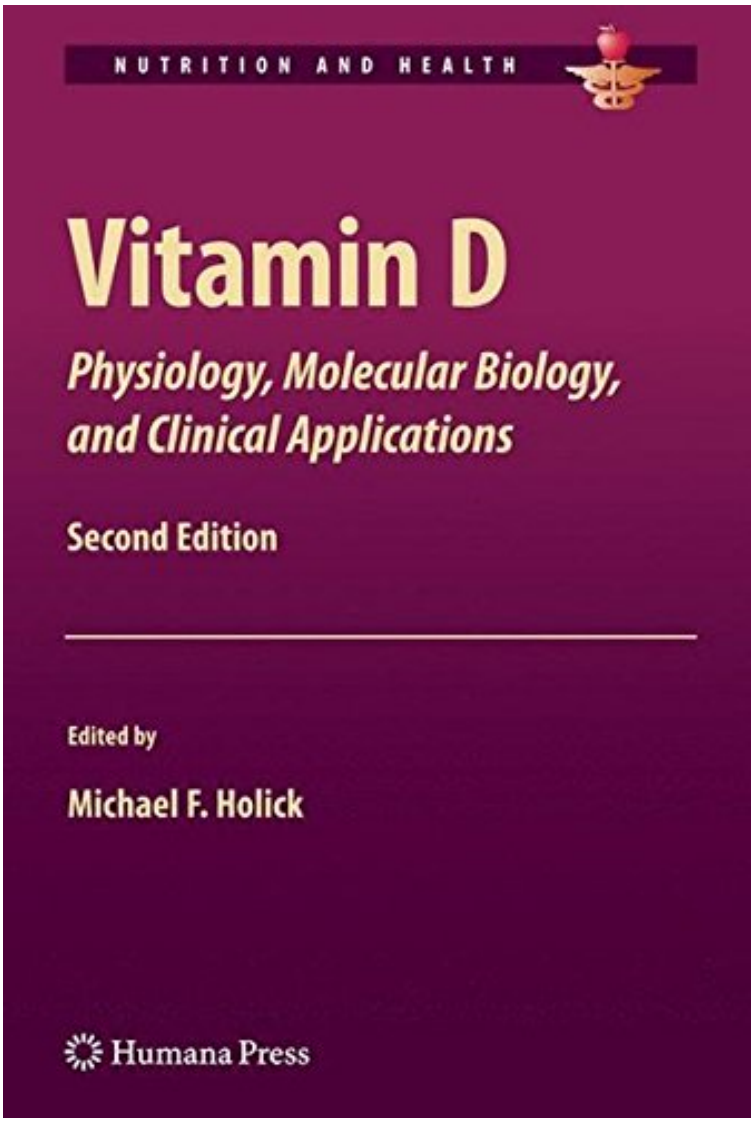

#4140083 in Books Humana Press 2010-04-23Original language:EnglishPDF # 1 10.00 x 2.00 x 7.10l, 5.65 #File Name: 160327300X1160 pages | File size: 50.Mb

From Brand: Humana Press : Vitamin D: Physiology, Molecular Biology, and Clinical Applications (Nutrition and Health) before purchasing it in order to gage whether or not it would be worth my time, and all praised Vitamin D: Physiology, Molecular Biology, and Clinical Applications (Nutrition and Health):

4 of 5 people found the following review helpful. DisappointingBy John F. WrightI looked forward to this book for over a year as I waited for it to be published. The importance of vitamin D is very significant and I have great respect

for Michael Holick.This is an expensive book which unfortunately is only a collection of articles written by a variety of authors. Don't get me wrong, there is a ton of information in this book. However, I am disappointed that more basic data is not available or clearly presented. I thought this would be *the* authoritative source for what natural 25-OH-D levels are in humans living under evolutionary natural conditions. This is touched on in a few spots, but there is no summarizing section to organize and present information.Perhaps most disappointing is that this book once again shows us that despite extensive research, we still have only a weak understanding of metabolism. Basic information is still very much lacking (or presented in a manner which leaves out too many important details, making the data impossible to draw solid conclusions from).This is a great book to study, but not a terribly good reference book (too difficult to quickly find the information you are looking for).10 of 12 people found the following review helpful. Vitamin D: The ultimate medical breakthrough of the past decadeBy Shirwan Mirza, MDThis is a technical book on vitamin D. Dr. Holick is a pioneer on this subject. He led the way in this field since 1990s. I came across vitamin D by pure serendipity. I realized how rudimentary was the medical knowledge on vitamin D presented in medical books. Up to this date, this new knowledge has not made it into the curricula of medical schools.Then I came across an article that was published by Dr. Holick in The Lancet "Redefining vitamin D deficiency" in 1998.Since then, I never looked back and this new knowledge on vitamin D changed the way I practice medicine and my patients are grateful for it.In this book, you will learn that vitamin D is not only to enhance bone density, but it is also a vital vitamin to maintain muscle strength, mass (to prevent falls), and that vitamin D has a vital role in preventing most cancers and preventing auto-immune disorders such as type 1 diabetes, mutiple sclerosis.A recent study on telomerase has found that vitamin D might even enhance longevity.If you feel tired, and suffer from chronic fatigue, aches and pains, and "everything" has been checked and "normal", it is time your doctor checked 25, hydroxy vitamin D to make sure that your vitamin D is between 32-100 ng/ml and that you are taking adequate vitamin D.This book is written for doctors, clinicians, and researchers.Shirwan Mirza, MD1 of 3 people found the following review helpful. The title reflects the contentBy D. A. McCarthyI was looking for the details of vitamin D actions in the body and I was not disappointed. This book came out in April 2010 and is a wealth of "in the weeds" details about the known and suspected actions of vitamin D. A lot is known and a lot more is yet to be known with precision. The actions of vitamin D are pervasive and are being studied at a dizzying pace, internationally. Dr Holick's book chronicles key areas of interest. After 30 years as a family physician, I couldn't help but to begin employing vitamin D strategies into practice.

In Vitamin D: Physiology, Molecular Biology, and Clinical Applications, Second Edition, leading researchers provide a comprehensive, highly readable overview of the biological functions and clinical applications of vitamin D and its metabolites. Topics range from the most recent recommendations for vitamin D intake to new approaches for the treatment and prevention of vitamin D deficiency and the development of active vitamin D drugs to treat psoriasis and cancer. The book demonstrates the significant role that vitamin D has in maintaining good bone health and the prevention of osteoporosis, an important health problem for adults over the age of fifty. In addition, it authoritatively reviews the relationship between sunlight exposure, vitamin D, and increased risk of colon and breast cancer; how vitamin D is made in the skin; and the sequence of events that leads to its activation by the kidney. Also examined are the biological functions of 1,25-dihydrovitamin D3 on the intestine and bone, as well as other tissues, such as skin, the immune system, prostate, and breast, and vitamin D's molecular mechanism of action on the cell membrane and nucleus. The first edition of Vitamin D: Physiology, Molecular Biology and Clinical Applications was the benchmark in the field when published in 1999. This new and expanded volume continues to include extensive, in-depth chapters covering the most important aspects of the complex interactions between vitamin D and other dietary components, the ongoing debate concerning the best indicator of optimal vitamin D status and its nutrient requirements, and the impact of less than optimal status on disease risk. 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.

From the reviews of the second edition:This comprehensive book covers everything that is currently known about Vitamin D. It discusses topics ranging from the molecular biology of vitamin D and its role in human physiology to its role in health and disease. an extremely wide audience would find it useful: graduate students, medical students, healthcare professionals, nutritionists, and the lay public. The book reads consistently and easily from cover to cover, making it accessible to both scientists and nonscientists. (Heather Huang, Doodys Service, August, 2010)This valuable and comprehensive monograph is divided in seven parts dealing with introduction and basic biology . This monograph contains numerous instructive figures, schemes and microphotos which help to understand sophisticated biological and technical processes representing the contemporaneous armament being used in this newly and rapidly development field of diabetology. (Endocrine Regulations, Fall, 2010)From the Back CoverIn Vitamin D: Physiology, Molecular Biology, and Clinical Applications, Second Edition, leading researchers provide a comprehensive, highly readable

overview of the biological functions and clinical applications of vitamin D and its metabolites. Topics range from the most recent recommendations for vitamin D intake to new approaches for the treatment and prevention of vitamin D deficiency and the development of active vitamin D drugs to treat psoriasis and cancer. The book demonstrates the significant role that vitamin D has in maintaining good bone health and the prevention of osteoporosis, an important health problem for adults over the age of fifty. In addition, it authoritatively reviews the relationship between sunlight exposure, vitamin D, and increased risk of colon and breast cancer; how vitamin D is made in the skin; and the sequence of events that leads to its activation by the kidney. Also examined are the biological functions of 1,25-dihydrovitamin D3 on the intestine and bone, as well as other tissues, such as skin, the immune system, prostate, and breast, and vitamin D's molecular mechanism of action on the cell membrane and nucleus. The first edition of Vitamin D: Physiology, Molecular Biology and Clinical Applications was the benchmark in the field when published in 1999. This new and expanded volume continues to include extensive, in-depth chapters covering the most important aspects of the complex interactions between vitamin D and other dietary components, the ongoing debate concerning the best indicator of optimal vitamin D status and its nutrient requirements, and the impact of less than optimal status on disease risk. 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.