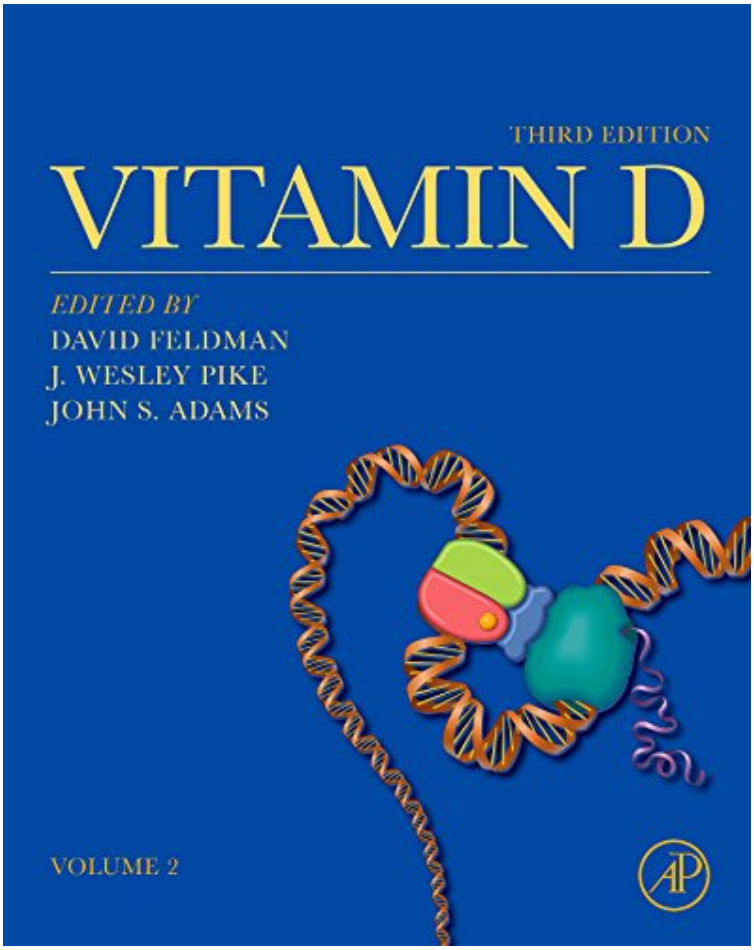
Vitamin D, Third Edition: Volume Two

From Academic Press
*DOC | *audiobook | ebooks | Download PDF | ePub*



#4063982 in Books 2011-06-15Original language:EnglishPDF # 1 10.75 x 8.50 x 2.00l, #File Name: 01238703481024 pages | File size: 71.Mb

From Academic Press : Vitamin D, Third Edition: Volume Two before purchasing it in order to gage whether or not it would be worth my time, and all praised Vitamin D, Third Edition: Volume Two:

The Third Edition of this classic compendium, Vitamin D, is the most comprehensive, authoritative reference available in the field. In two volumes and over 100 chapters, the editors and authors have marshaled all currently available data on the basic mechanisms, normal physiology and effects on disease of Vitamin D; they have laid out for the reader up-to-date and expert information on the role of vitamin D in health and many disorders. With new chapters on multiple cancers, this complete reference work is essential for anyone working in endocrinology, osteology, bone biology, or cancer research. Volume One chapters cover the chemistry and metabolism of vitamin D, role in mineralization, other target organs, and general physiological effects. Volume Two is more clinically oriented addressing deficiency problems (including diagnosis, interactions in the endocrine system, and involvement in malignancies). Volumes One

and Two are now sold separately in print. Volume One ISBN: 9780123870353; Volume Two ISBN: 9780123870346.Most comprehensive, authoritative reference on Vitamin DVolumes One and Two now sold separatelyVolume One chapters cover the chemistry and metabolism of vitamin D, role in mineralization, other target organs, and general physiological effectsVolume Two is more clinically oriented addressing deficiency problems (including diagnosis, interactions in the endocrine system, and involvement in malignancies) Offers 32 new chapters on squamous cell cancer, brain cancer, thyroid cancer and many more; new sections include emerging uses for treatments of auto-immune diseases and diabetesOver 600 illustrations and figures available on Companion website

"In this brief review, it is impossible to cover all the nuances of vitamin D addressed in this book. Interested readers may want to peruse the book chapters to assess relevance to their personal interests. I regard this impressive text as a must have in the medical libraries of most hospitals. Clinicians and researchers with an interest in vitamin D may want their own personal copy for ready reference. I highly recommend it and congratulate the authors and editors in providing a much needed reference text on arguably one of the more important nutrients to our species." --American Journal of Human Biology "In this remarkable compendium, the editors provide a fresh and comprehensive review of a multifaceted and sometimes controversial vitamin D. This third edition is not just an update, but a greatly expanded work organized to authoritatively cover the evidence for new roles of vitamin D in cardiovascular health, immunity, psychiatric disorders, and much more. In more than 100 chapters, experts span the history of vitamin D, update its molecular mechanism and chemistry, provide specifics of clinical use in disorders of the skeleton, and review progress in an array of diseases including diabetes, inflammatory bowel disease, multiple sclerosis, and psoriasis. In this edition one finds new information for a broad audience including internal medicine, nutrition, orthopedics, basic scientists, and teachers. How does one define optimal vitamin D status? How does vitamin D affect innate immunity? What are the epigenetic modifications of the vitamin D receptor that contribute to its function? Are there other natural ligands for the vitamin D receptor? These are a part of the new increased scope of Vitamin D, Third Edition. If you are interested in vitamin D, you should have this book." --Mark S. Nanes, MD, PhD, Professor of Medicine, Emory University, Atlanta, GA, USA "The Third Edition of the classic text Vitamin D is a superb summary of an important and topical issue. Its contributors are truly experts in the field and they have managed to comprehensively describe the biochemistry, pharmacology and effects of vitamin D as well as to eloquently weave in the relevant biology of bone, muscle, immunology and other relevant tissues. The 105 readable chapters offer a complete and well balanced mix of basic and clinical topics that provides an opportunity to understand the full breadth of vitamin D action. Each section represents an excellent summary of up-to-date information and, as a whole, this text offers an outstanding resource that will appeal to a broad spectrum of readers - from students to established clinicians and investigators." --Eric Orwoll, MD, Department of Medicine, Division of Endocrinology, Diabetes, and Clinical Nutrition, Oregon Health and Science University, Portland, OR, USA "The Third Edition of Vitamin D is well written, comprehensive and balanced. Several of the new chapters, such as Epigenetic Modifications and Wnt/-Catenin Signaling, have strayed away from the "traditional" vitamin D but the authors have put these topics very clearly into perspective in ways that will be valuable to those studying vitamin D action. The overall list of authors for this book is a virtual '"who's who" of vitamin D research, and the coverage of the topic is appropriately broad, including those matters in nutrition and epidemiology that have been the subject of much interest in recent years." --T. Jack Martin, AO MD DSC FRACP FRCPA FAA FRS, John Holt Fellow, Emeritus Professor of Medicine, Bone, Joint Cancer Unit, St Vincent's Institute, Victoria, AustraliaAbout the AuthorDavid Feldman, MD, is Emeritus Professor of Medicine (Active) at Stanford University School of Medicine where he has been on the faculty since 1974. He has been a full professor since 1984 and was chief of the Endocrinology Division for 10 years. His laboratory studies the role of steroid hormone receptors, particularly the vitamin D receptor, and its mechanism of action. His current major research focus is hormone-dependent cancer including breast cancer and prostate cancer and the pathways by which vitamin D inhibits cancer growth. Professor Feldman is actively involved in both basic science approaches to the anti-cancer actions of vitamin D as well as to clinical trials studying the use of vitamin D in breast and prostate cancer. Professor Feldman was recently honored with an award for a Career of Outstanding Contributions to Vitamin D Research. He has authored over 290 medical research articles, reviews, editorials, and book chapters. In addition to being a co-editor of all four editions of OSTEOPOROSIS, he is the editor-in-chief of Vitamin D, just published in its third edition.Dr. Pikes 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. A long-term area of interest has been in the actions of vitamin D. His laboratory has shown that these actions are mediated by a specific receptor that is localized to the nucleus of target cells and which functions as a transcription factor following activation by its hormonal vitamin D ligand. This research led to the molecular cloning of this factor and elucidation of its regulation and mechanism of action.