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(25- and 1-Hydroxylases); General Information Regarding Vitamin D Hydroxylases; Chapter 5 - The Vitamin D Binding Protein DBP; Chapter 23 - Target Genes: Bone Proteins; Procreative Relevance - Animal Models; Vitamin D Metabolism and Mechanism of Action; Chapter 56 - Genetics of the Vitamin D Endocrine System; The Clinical Features of HVDRR; Section IX -Analog; Overview of Hematopoiesis; Immune Activity of 1,25-Dihydroxyvitamin D; Chapter 98 -The Role of Vitamin D in Type 2 Diabetes and Hypertension
CYP24A1-Catalyzed PathwaysVitamin D Modulates Fracture Risk in Two Ways: By Increasing Bone Density and Decreasing Falls; CYP24A1: Properties, Function and Expression; Structure-Function Relationships; New World Primates; 1,25-Dihydroxyvitamin D3 Actions on Voltage-Sensitive Ca²⁺ Channels; Pancreatic Diseases; Perspectives; References; Vitamin D Binding Protein: Protein and Gene Structure; Properties of Mature Osteoblasts and Osteocytes; Conclusions and Perspectives; Cell-Type Specificity of Inhibition of Cell Proliferation by Vitamin D and Analogs Without Evidence of Differentiation
Economic AspectsClosing Remarks; Future Research on Vitamin D and Respiratory/Allergic Disorders; Storage and Shipping; Vitamin D Biology; Localization and Proposed Functional Significance of the Calbindins; Idiopathic Hypercalciuria; VDR Research: The Biochemical Era; Assessment of Mineralization; Physiological and Pharmacological Actions of Vitamin D Analogs in Normal and Psoriatic Skin; VDR Research: The Molecular Biological Era; Concluding Comments; Vitamin D Amelioration of Established EAE; Acknowledgment
Chapter 8 - Nuclear Vitamin D Receptor: Natural Ligands, Molecular Structure-Function, and Transcriptional Control of Vital ...

Sommario/riassunto

Vitamin D, a steroid hormone, has mainly been known for its effects on bone and osteoporosis. The current therapeutic practices expand into such markets as cancer research, pediatrics, nephrology, dermatology, immunology, and genetics. This 3e includes over 100 chapters covering everything from chemistry and metabolism to mechanisms of action, diagnosis and management, new analogs, and emerging therapies. This complete reference works is a must-have resource for anyone working in endocrinology, osteology, bone biology, or cancer research.*Most comprehensive, up-to-date two-volume set o
