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Nota di contenuto	Front Cover; Contents; Preface; Series Preface; Editors; Contributors; Chapter 1 - Hepatic Retinoid Metabolism: What Is Known and What Is Not; Chapter 2 - Metabolism of Vitamin A in White Adipose Tissue and Obesity; Chapter 3 - Retinoids in the Treatment of Psoriasis; Chapter 4 - Age-Related Macular Degeneration and Carotenoids; Chapter 5 - Lutein, Zeaxanthin, and Vision across the Life Span; Chapter 6 - Assuring Vitamin A Adequacy to Prevent Eye and Ear Disorders; Chapter 7 - Disturbed Accumulation and Abnormal Distribution of Macular Pigment in Retinal Disorders Chapter 8 - Retinol and Otitis MediaChapter 9 - Carotenoids and Mutagenesis; Chapter 10 - Carotenoids and Vitamin A in Lung Cancer Prevention; Chapter 11 - Is the Effect of -Carotene on Prostate Cancer Cells Dependent on Their Androgen Sensitivity?; Chapter 12 - Carotenoid Intake and Supplementation in Cancer: Pro and Con; Chapter 13 - Vitamin A in Lung Development and Function; Chapter 14 - Vitamin A and Carotenoids in Lung Diseases; Chapter 15 - Chemopreventive Effects of Astaxanthin on Inflammatory Bowel Disease and Inflammation-Related Colon Carcinogenesis

Chapter 16 - Carotenoids in Laboratory Medicine; Chapter 17 - Supply of Vitamin A in Developing Countries; Chapter 18 - Vitamin A Intakes Are Below Recommendations in a Significant Proportion of the Population in the Western World; Chapter 19 - Critical Appraisal of Vitamin A Supplementation Program in India; Chapter 20 - Consequences of Common Genetic Variations on β -Carotene Cleavage for Vitamin A Supply; Back Cover

Sommario/riassunto

Vitamin A (retinol) is an essential dietary compound with myriad metabolic and regulatory functions. Deficiency can result in vision problems, compromised immune responses, and a host of other medical issues. More than 600 carotenoids have been identified in plants, algae, fungi, and bacteria, and around 50 carotenoids-including β -carotene-can be converted into vitamin A. Carotenoids and Vitamin A in Translational Medicine reviews the medical use of carotenoids and vitamin A in cancer; diseases of the skin, eye, ear, and lung; and inflammatory bowel and metabolic diseases
