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Nota di contenuto	Section I: Introduction -- Lessons learned from paleolithic models and evolution for human health: a snap shot on beneficial effects and risks of solar radiation -- Section II: UV-induced cutaneous synthesis of vitamin D and the physiologic consequences (I) -- Sunlight, UV-radiation, vitamin D and skin cancer: how much sunlight do we need? -- Section III: Solar radiation, Vitamin D and human health -- Vitamin D status and cancer incidence and mortality -- Vitamin D receptors polymorphisms and cancer -- On the relationship between sun exposure and all-cause mortality -- Lindqvist PG (2020) Women with greater sun exposure habits seem to be healthier and to live longer. Are these results in contrast to other research? No -- Section IV: Epidemiology of skin cancer -- Epidemiology of skin cancer and UV radiation – update 2019 -- Solar UV exposure and mortality from skin tumors: an update -- Solarium Use and Risk for Malignant Melanoma: many open questions,not the time to close the debate -- Section V: Photocarcinogenesis of skin cancer -- Molecular biology of basal and squamous cell carcinomas -- Human papillomaviruses and skin cancer -- The immune system and pathogenesis of melanoma and nonnmelanoma skin cancer -- Section VI: The relevance of the vitamin D endocrine system for skin cancer -- Protection from ultraviolet damage and photocarcinogenesis by vitamin D compounds -- The role

of classical and novel forms of vitamin D in the pathogenesis and progression of non-melanoma skin cancers -- The Vitamin D Receptor as tumor suppressor in skin -- Cancer prevention in skin and other tissues via cross-talk between vitamin D- and p53- signalling -- Section VII: Prevention and Management of Skin Cancer -- Sunscreens in the United States: Current Status and Future Outlook -- A handful of sunscreen for whole body application -- Sunlight, vitamin D and Xeroderma pigmentosum -- Update: Solar UV-radiation, vitamin D and skin cancer surveillance in organ transplant recipients (OTRs) -- Section VIII: UV-induced cutaneous synthesis of vitamin D and the physiologic consequences – II. promise and outlook -- Ultraviolet exposure scenarios: balancing risks of erythema and cutaneous vitamin D synthesis -- The Paleolithic nutrition model in relation to ultraviolet light and vitamin D -- Index.

Sommario/riassunto

The third edition is a comprehensive and updated overview of positive and negative effects of UV-exposure, with a focus on Vitamin D and skin cancer. Researchers, oncologists, and students will be provided with the most significant and timely information related to topics such as the epidemiology of skin cancer, the immune system and skin cancer, ultraviolet damage, DNA repair and Vitamin D in Nonmelanoma skin cancer and malignant melanoma. There have been a number of new, scientific findings in this fast moving field that necessitated a thoroughly updated and revised edition including new Vitamin D metabolites and skin cancer, new findings on the beneficial effects of UV and solar UV and skin cancer, adverse effects of sun protection and sunscreens, sun exposure and mortality, and more. The book will summarize essential, up-to-date information for every clinician or scientist interested in how to balance the positive and negative effects of UV exposure to minimize the risks of developing vitamin D deficiency and skin cancer.
