



## Book Review

# Dornelles, Sergio Ivan Torres. Dermatology in Public Health Environments: A Comprehensive Textbook; Springer Cham, 2023

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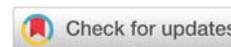
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## Introduction

"Dermatology in public health environments: A comprehensive textbook (2<sup>nd</sup> edition)" written by Dornelles, SIT, and edited by Bonamigo, RR, provided an extensive scope of dermatology, ranging from the fundamental aspects of skin anatomy and physiology to diagnostic and therapeutic strategies. Additionally, it addressed the skin health management, including public health policies, preventive measures, and specific skin concerns. The initial section covered topics related to public health, including epidemiology, public health issues, and the factors that influence health and disease in populations. The second section provided practical applications and case studies. The third section consists of a glossary of relevant terms and terminology, while the fourth section provides three references for further exploration.

The content of the book provided substantial value through its comprehensive and current examination of various diseases,

notably focusing on recent COVID-19 outbreaks. Therapeutic breakthroughs, like targeted drugs and immunotherapies tailored to genetic mutations, have greatly improved patient outcomes. Targeted drugs provide personalized care for advanced melanoma, while immunotherapy boosts the patient's immune system to fight cancerous cells. The context stresses skin protection and photo protection to prevent skin diseases. Skin reactions to the sun are classified into four categories: immune-mediated responses, photosensitive skin diseases, photo-sensitization caused by drugs or chemicals, and exacerbation of certain skin conditions unrelated to direct UV exposure. To reduce risks, protective measures like wearing appropriate clothing, hats, sunglasses, using sunscreen, and limiting sun exposure during midday are recommended.

The role of the primary care team in handling skin diseases is emphasized, advocating it as the core of skin-related care delivery. Lack of relevant expertise among physicians may lead to delayed treatment, misdiagnosis, and unnecessary

referrals, increasing patient burden and healthcare costs. So, dermatology education in medical schools is recommended, extending course duration, enriching content, improving faculty quality and teaching methods, and promoting practical experience.

## Summary of the book

### Dermatology in Public Health Settings

A Textbook presents an integrated understanding of dermatology across clinical and population health domains. The book explains fundamental aspects of skin structure and function, detailing how genetics, environmental exposures, and immune responses shape the pathogenesis of cutaneous diseases. It further examines skin disorders from a public health perspective, focusing on patterns of common and emerging dermatologic conditions across populations. The text underscores how socioeconomic and environmental determinants influence the prevalence of these disorders and their management.

To mitigate skin problems, the textbook proposes strategies tailored to population needs, including prevention, early detection, and community intervention programs. It offers practical clinical guidance by outlining diagnostic approaches, therapeutic options, and real-world cases. The book also illustrates how environmental exposures affect skin health, including responses to sunlight and ultraviolet radiation effects. It emphasizes the essential role of healthcare professionals, particularly primary care physicians, in enhancing dermatologic education, increasing patient awareness, and promoting timely diagnosis and effective treatment.

### Critical analysis

The textbook is significant as it integrates dermatology with public health, providing a multidisciplinary perspective on skin

diseases and their management at the population level. A key strength lies in its comprehensive coverage of dermatological conditions, effectively combining clinical insights with epidemiological and environmental determinants. The inclusion of recent advances in dermatologic research, such as targeted therapies and immunomodulatory treatments, enhances its relevance to contemporary medical practice. Additionally, the structured organization of topics, along with the incorporation of real-world examples, improves its value as an educational resource for medical students, clinicians, and public health professionals.

However, the book's extensive length may limit its accessibility to readers seeking concise guidance. Certain sections could benefit from improved clarity and organization to enhance readability. Greater emphasis on global disparities in dermatologic care and socioeconomic determinants would further strengthen its public health perspective. Overall, the book serves as a valuable resource for understanding skin diseases within the broader framework of healthcare systems.

## Conclusion

In summary, the book highlighted the therapeutic advances and new research findings, keeping the researchers updated with the latest developments in the dermatology field. It utilized various methods such as surveys, cause identification, condition classification, diagnosis, and treatment proposals. The authors introduced a wide range of systemic strategies and programs to effectively manage the skin infections. Thus, the information presented has significant potential to inspire the readers to actively engage in advancing dermatological science and public health.

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