



## Physiology of the Skin Third Edition

By Zoe Draelos, MD and Peter T. Pugliese, MD



**Physiology of the Skin Third Edition** By Zoe Draelos, MD and Peter T. Pugliese, MD

In order to effectively administer and formulate skin care treatments, one must first understand the function and structure of the skin. *Physiology of the Skin*, 3rd Edition provides this information and addresses the biochemistry and free radical damage that changes young skin into old skin, with a specific focus on both extrinsic and intrinsic issues. This volume also provides an understanding of skin care products and their utilization in maintaining healthy skin. Disease states, including acne, eczema, photodamage, psoriasis and more, are discussed. Also, the new topical, injectable, and device products for skin rejuvenation are presented to build on the basics of skin physiology.

This latest edition takes the reader on a learning journey beginning with the formation of skin, moving on through the onset of puberty and adolescent issues, and finally discussing maturity and issues pertaining to perimenopausal and menopausal skin. Topics include:

- Skin structure
- Skin function and biochemistry
- Skin needs in disease states and maturity
- Photoaging mechanisms and sun protection
- Cosmeceuticals and procedures for aging skin
- Updates from Previous Edition

*Physiology of the Skin*, 3rd Edition boasts 33% more information, as well as a modern approach to the basic esthetic treatment of skin disease, including topicals, injectables, and procedures. It presents the principles of basic skin physiology in understandable language and discusses product formulation and procedures germane to the world of esthetics. No other text bridges the gap between the science and everyday applications of skin physiology principles.

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## **Physiology of the Skin Third Edition** By Zoe Draelos, MD and Peter T. Pugliese, MD Bibliography

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### **Editorial Review**

#### Review

If you are a skin care professional and you do NOT have AND use this Skin Bible, do yourself a favor: BUY it, READ it, learn what no school can teach you. Visionary. --Suze Vega - review on publisher site

Physiology of the Skin is a must-have for anyone in the cosmetic field, from estheticians to R&D specialists, as well as anyone involved in the product development or marketing aspects of skin care products. Pugliese and Draelos describe the structure and function of the skin and how it is affected at different stages by both environmental aggressors and cosmeceutical treatments. Estheticians can benefit from this book because of its in-depth scientific perspective, not usually taught in esthetics courses. Other cosmetics industry professionals can benefit because the more that we understand about how products affect the skin, the more we can target skin conditions that are of concern, and ultimately create truly efficacious products. --Tracy Wray, L.E, Director of Sales & Marketing, B&R Products, Inc.

A must-read book! Great investment. This is my fourth book from Alluredbooks and I will buy more. After reading this book, I am designing more effective and efficient treatments for my clients. I am also making better decisions on product and equipment purchasing for my practice. Knowledge from this book saved me several thousand dollars in equipment purchases. --Natalya Vasilev, Massage Therapist, Aesthetician, Certified Acne Expert

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A must-read book! Great investment. This is my fourth book from Alluredbooks and I will buy more. After reading this book, I am designing more effective and efficient treatments for my clients. I am also making better decisions on product and equipment purchasing for my practice. Knowledge from this book saved me several thousand dollars in equipment purchases. --Natalya Vasilev, Massage Therapist, Aesthetician, Certified Acne Expert

#### About the Author

Zoe Diana Draelos, MD, is a board certified dermatologist in private practice and a primary investigator for Dermatology Consulting Services, a company she founded in 1988 to provide education, develop formulation technology and conduct clinical studies in association with the pharmaceutical and cosmetics industry. Her research interests include cosmetics, toiletries and biologically active skin medications. A national and international speaker, she has been the recipient of numerous research grants and served as principal investigator on more than 200 clinical trials. She is also a contributor to the medical literature, with more than 200 articles and 25 book chapters to her credit. She is the author of the Cosmetics in Dermatology, now in its third edition, and Hair Care, as well as serving as the editor for the textbook Cosmeceuticals, which has been translated into five languages. Complementing her writing endeavors, Draelos serves on

eight editorial boards, including Cosmetics & Toiletries, Cosmetic Dermatology, The International Journal of Cosmetic Science, Dermatologic Surgery, Dermatology Times, Aesthetic Dermatology News, Journal of Cosmetic and Laser Therapy, Drugs and Dermatology, Cutis and the Journal of the American Academy of Dermatology. She is the editor-in-chief of the Journal of Cosmetic Dermatology.

Draelos is a fellow and past board member of the American Academy of Dermatology and also holds membership in the American Dermatological Association, the Society for Investigative Dermatology and the American Society of Mechanical Engineers, among others. She is a past board member for the Society for Dermatologic Surgery. A former Rhodes Scholar, Draelos has been the recipient of many awards and honors in recognition of her professional and academic accomplishments. She was recently given a Lifetime Achievement Award for her research from Health Beauty America, a professional skin care and cosmetics industry organization.

Peter T. Pugliese, MD, earned his Doctor of Medicine in 1957 from the University of Pennsylvania in Philadelphia. The following year, he entered private practice in rural Berks County, Pennsylvania, where he practiced family medicine for 22 years. Since 1972, Dr. Pugliese has engaged in the study of skin physiology and has made discoveries which have influenced the course of professional skin care around the globe.

Dr. Pugliese is a member of the Society of Bioengineering and the Skin, the American Academy of Dermatology, the Society of Investigative Dermatology and has given more than 125 presentations at scientific meetings worldwide. He was awarded the Maison de Navarre Gold Medal, the highest honor of the National Society of Cosmetic Chemists for his contributions to the field of cosmetic chemistry. Dr. Pugliese has contributed chapters to over a dozen books and published over 60 scientific papers. He has authored four books, including, in 1990, the first textbook written for estheticians by a physician, *Advanced Professional Skin Care: Medical Edition*, to bridge esthetics and medicine with a common language. With the publication of this reference, Dr. Pugliese continues to strive toward a referral-based skin care industry by educating practitioners at all levels.

Dr. Pugliese founded the Circadia Skin Care Institute in 2003, where he teaches advanced courses for the skin care professional in skin physiology, histology, biochemistry, cosmetic chemistry and medical esthetics. His goal is to elevate the practice of esthetics to the status of a profession through higher standards of education in the United States.

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