



Skin Barrier

By -

CRC Press, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Introduction. Definitions and Broad Concepts. Integrative Aspects: Protective Functions of the Stratum Corneum. History Overview. More History: Evolution of the Barrier from Saran Wrap to Biosensor. Structure of the Stratum Corneum. Lipid Composition. SC Ceramides. Morphology of the Stratum Corneum Barrier: Overview. Structure of the Stratum Corneum Lipid Membranes. Cornified Envelope and Corneocyte-Lipid Envelope. Filaggrin. Keratins. Corneodesmosomes. Tight Junctions and the Permeability Barrier. Comparative Aspects of Barrier in Other Squamous Epithelia. Barrier Function in Mucosal Epithelia. Dynamic Properties of the Stratum Corneum. Stratum Corneum pH: Origin, Functions, and Measurement of the acid Mantle. Lipid Processing: The Final Step in Barrier Formation. Desquamation. Regulation of Stratum Corneum Formation. The Epidermal Lamellar Body as a Multifunctional Secretory Organelle. Development of the Barrier in the Fetus. Regulation of Barrier Function by Calcium. Cytokines: The Two-Edged Sword. Nuclear Hormone Receptor 'Liposensors' Regulate Differentiation and Barrier Formation. Functions of the SC. Maintenance of Permeability Barrier Homeostasis. Defense from Microbial Invasion. The Epidermal Antioxidant Barrier. Sources and Role of SC Hydration. Metabolism of Foreign Substances: The Chemical Barrier. Vitamin D Formation and Function in Barrier. Functional Abnormalities of the...



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