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Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XVI, 255 p. 85 illus., 78 illus. in color.)
Collana	Updates in Clinical Dermatology
Disciplina	616.506
Soggetti	Skin - Diseases - Treatment Skin - Diseases - Microbiology Malalties de la pell Microbiologia Quimioteràpia Llibres electrònics
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Nota di contenuto	Section I: Emerging Bacterial Resistance to Antibiotics -- Ch 1: Mechanisms of Bacterial Resistance -- Ch 2: Emerging Bacterial Infections -- Ch 3: Re-Emerging Bacterial Infections of the Skin -- Section II: Emerging Resistance to Antivirals -- Ch 4: Mechanisms of Nonretroviral Resistance -- Ch 5: Mechanisms of Retroviral Resistance -- Ch 6: Emerging Viral Infections -- Ch 7: Re-Emerging Viral Infections - Implications of Lack of Vaccination -- Section III: Emerging Resistance to Antifungals -- Ch 8: Mechanisms of Antifungal Resistance -- Ch 9: Emerging and Re-Emerging Fungal Infections -- Section IV: Emerging Resistance to Drugs for Protozoan and Helminth Infections -- Ch 10: Mechanisms of Anti-Protozoan/Helminth Drug Resistance -- Ch 11: Emerging and Re-Emerging Protozoan/Helminth Infections -- Section V: Innovative Therapies on the Forefront -- Ch 12: Phage Therapy -- Ch 13: The Role of Biofilms and the Microbiome -- Ch 14: New Classes of Broad-Spectrum Antibiotics and New Mechanisms of Delivery -- Ch 15: Phytocompounds -- Ch 16: Summary: Overcoming Antimicrobial Resistance of the Skin. .

This book is a thorough, practical review of the challenges facing clinicians treating skin microbes and how to combat these therapeutic dilemmas. It expresses the critical public health concern of antimicrobial resistance and shows how microorganisms are developing the ability to halt the progress of antimicrobials like antibiotics, antivirals, and antifungals. Chapters are grouped together in five sections for ease of use. The first three sections of the book convey foundational information on the mechanisms of antibiotics, antivirals, and antifungals resistance, as well as the implications of lack of vaccination. The fourth section then turns to the specifics of drug resistance for protozoan and helminth infections focusing primarily on initial and subsequent resistance to treatment. The book closes with a discussion on the potential solutions of innovative therapy including new delivery mechanisms, broad-spectrum antibiotics, phytocompounds, and biofilms. Chapters feature magnified, microscopic photos for identifying structures as they appear on the skin. Part of the Updates in Clinical Dermatology series, *Overcoming Antimicrobial Resistance of the Skin* is an important resource relevant during the COVID-19 pandemic, and is written for all medical healthcare professionals.

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