Record Nr. UNINA9910877376403321 Staphylococci in human disease / / edited by Kent B. Crossley ... [et al.] **Titolo** Chichester, West Sussex: Hoboken, NJ,: Wiley-Blackwell, 2009 Pubbl/distr/stampa **ISBN** 1-282-33160-4 9786612331602 1-4443-0846-7 1-4443-0847-5 Edizione [2nd ed.] Descrizione fisica 1 online resource (647 p.) CrossleyKent B Altri autori (Persone) Disciplina 616.9297 Soggetti Staphylococcal infections Gram-positive bacterial infections Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Staphylococci inHuman Disease; Contents; Contributors; Preface to the Second Edition: Section IThe Organisms: Biology and Taxonomy: Chapter 1The Biology of Staphylococci; Chapter 2Genomics of the Staphylococci; Chapter 3Evolution and Taxonomyof Staphylococci; Chapter 4Molecular Basis of Pathogenicity; Chapter 5Adaptation to Stress: Biofilms and Small-colony Variants; Chapter 6Exotoxins; Chapter 7Host Defense Against StaphylococcalInfection; Antimicrobial Resistance in Staphylococci; Chapter 8 Resistance to b - Lactam Antibiotics; Chapter 9Resistance to Glycopeptides Chapter 10Resistance to Other AgentsLaboratory Studies; Chapter 11Issues in the Identification and Susceptibility Testing of Staphylococci; Section IIEpidemiology of StaphylococcalInfection; Chapter 12Colonization with Staphylococcusaureus and the Role of Colonizationin Causing Infection; Chapter 13Epidemiology of Community-associatedStaphylococcus aureus Infections: Chapter 14Epidemiology of Healthcare-associatedStaphylococcus aureus Infections; Chapter 15Epidemiology of CoagulasenegativeStaphylococci and Infections Causedby these Organisms: Section IIIDiseases Caused by Staphylococci

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## Sommario/riassunto

Staphylococci remain the most important cause of hospital-acquired infections in the U.S. and MRSA has become the most common cause of skin and soft tissue infection in many parts of the world. There is now a much greater understanding of the physiology and evolution of the staphylococci and this new edition reflects the rapid advancements in knowledge about this pathogen and provides a comprehensive review from both clinical and basic science perspectives. The first section addresses the basic biology of the staphylococci, their molecular genetics, host defenses and host evasion, virulenc