

1. Record Nr.	UNINA9910828027703321
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Titolo	Biofilm eradication and prevention : a pharmaceutical approach to medical device infections // Tamilvanan Shunmugaperumal
Pubbl/distr/stampa	Oxford, : Wiley-Blackwell, 2010
ISBN	1-118-04355-3 1-282-65368-7 9786612653681 0-470-64046-4 0-470-64045-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (448 p.)
Disciplina	610.284
Soggetti	Medical instruments and apparatus - Microbiology Biofilms Medical instruments and apparatus - Sterilization Anti-infective agents - Therapeutic use Drug carriers (Pharmacy) - Therapeutic use
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	BIOFILM ERADICATION AND PREVENTION; CONTENTS; PREFACE; ACKNOWLEDGMENTS; PART I. DEVELOPMENT AND CHARACTERIZATION OF BIOFILMS; 1. INTRODUCTION AND OVERVIEW OF BIOFILM; 2. RATIONALE FOR BIOFILM ERADICATION FROM MODERN MEDICAL DEVICES; 3. PATHOGENESIS OF DEVICE-RELATED NOSOCOMIAL INFECTIONS; 4. BIOFILM RESISTANCE-TOLERANCE TO CONVENTIONAL ANTIMICROBIAL AGENTS; 5. ANALYTICAL TECHNIQUES USEFUL TO STUDY BIOFILMS; PART II. BIOFILM-RELATED INFECTIONS IN VARIOUS HUMAN ORGANS (NONDEVICE-RELATED CHRONIC INFECTIONS); 6. BIOFILM-RELATED INFECTIONS IN OPHTHALMOLOGY 7. BIOFILM-RELATED INFECTIONS IN THE ORAL CAVITY 8. IMPLICATIONS OF BIOFILM FORMATION IN CHRONIC WOUNDS AND IN CYSTIC FIBROSIS; PART III. DRUG DELIVERY CARRIERS TO ERADICATE BIOFILM FORMATION ON MEDICAL DEVICES; 9. STRATEGIES FOR PREVENTION OF DEVICE-RELATED NOSOCOMIAL INFECTIONS; 10. LIPOSOMES AS DRUG

Sommario/riassunto

Biofilm Eradication and Preventions presents the basics of biofilm formation on medical devices, diseases related to this formation, and approaches pharmaceutical researchers need to take to limit this problem. Split into three parts, the first deals with the development and characterization of biofilm on the surfaces of implanted or inserted medical devices. Questions as to why biofilms form over medical device surfaces and what triggers biofilm formation are addressed. In the second section, the author discusses biofilm-mediated chronic infections occurred in various organs (eyes, mou

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