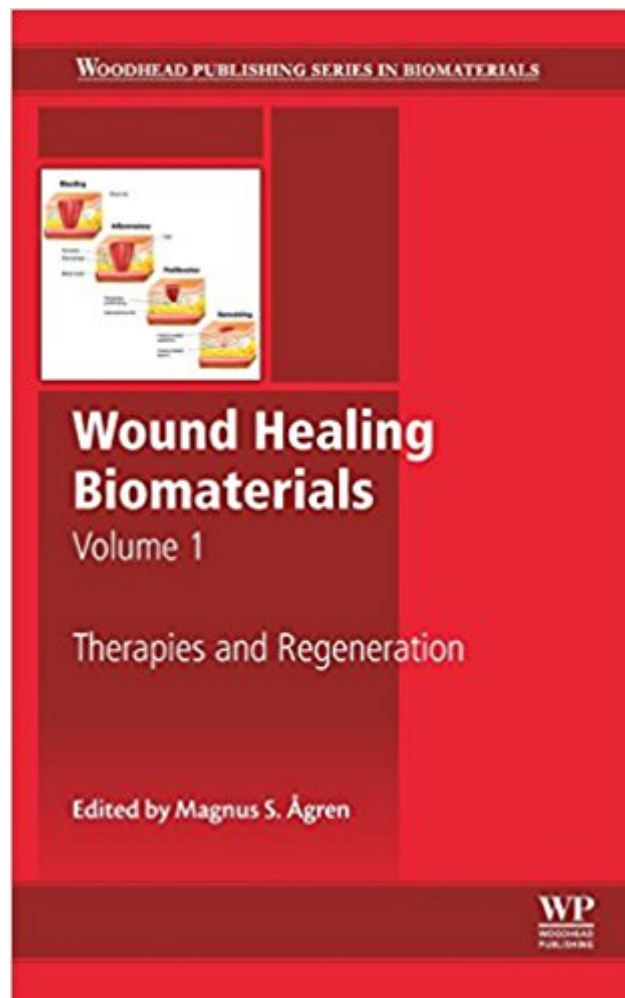




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Wound Healing Biomaterials - Volume 1: Therapies And Regeneration



Synopsis

Wound Healing Biomaterials: Volume One, Therapies and Regeneration discusses the types of wounds associated with trauma, illness, or surgery that can sometimes be extremely complex and difficult to heal. Consequently, there is a prominent drive for scientists and clinicians to find methods to heal these types of wounds, with science increasingly turning towards biomaterials to address these challenges. Much research is now concerned with new therapies, regeneration methods, and biomaterials to assist in wound healing and healing response. This book provides readers with a comprehensive review of the fundamentals and advances in the field of wound healing with regard to therapies and tissue regeneration. Chapters in Part One discuss fundamentals and strategies of wound healing, while Part Two reviews gene, stem cell, and drug delivery therapies for wound healing. Final chapters look at tissue regeneration strategies, making this an all-encompassing book on the topic of wound care and biomaterials. Provides more systematic and comprehensive coverage of specific therapies and biomaterials for wound healing Highlights research that is concerned with new therapies, regeneration methods, and the use of biomaterials to assist in wound healing and healing response Presents an organized layout of the material that is carefully arranged with clear titles and comprehensive section headings Looks at tissue regeneration strategies, making this an all encompassing book on the topic of wound care

Book Information

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Wounds, whether due to trauma, illness or surgery, can sometimes be extremely complex and

difficult to heal. Consequently there is a prominent drive for scientists and clinicians to find methods to heal wounds. Increasingly science is turning towards biomaterials to address the challenges associated with wounds. Much research is now concerned with new therapies, regeneration methods and biomaterials to assist in wound healing and alter the healing response. Wound Healing Biomaterials : Volume 1: Therapies and Regeneration provides readers with a comprehensive review of the fundamentals and advances in the field of wound healing with regard to therapies and tissue regeneration. Chapters in part One discuss fundamentals and strategies of wound healing. Chapters in part Two review gene, stem cell and drug delivery therapies for wound healing whilst the final set of chapters look at tissue regeneration strategies. Magnus S. Åfâ lgren is Associate Professor at the Department of Surgery and Copenhagen Wound Healing Center, Bispebjerg Hospital, Copenhagen, Denmark. He is also Scientific Advisor for a number of Scandinavian and international companies in the health care sector and on the Editorial Board for a number of journals.

Magnus S. Åfâ lgren is Professor at the Faculty of Health and Medical Sciences, University of Copenhagen, and affiliated to Bispebjerg Hospital, Copenhagen, Denmark. Dr. Åfâ lgren has worked as senior scientist and manager in both academia and industry with wound healing for 35 years, and has published well over 100 scientific articles. He is also scientific advisor for a number of Scandinavian and international companies in the healthcare sector, and he serves on the editorial boards for a number of biomedical journals. Dr. Åfâ lgren is the current president for the European Tissue Repair Society.

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