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Descrizione fisica	1 online resource (406 p.)
Altri autori (Persone)	ManiRaj RomanelliMarco ShuklaVijay
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Soggetti	Wound healing Wounds and injuries - Treatment
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	SECTION 1 -- Vascular diseases and wound healing -- Leg ulcers/role of venous surgery/ stenting/amputation/microcirculation -- Diabetic foot disease and wound healing -- Neuropathic and neuroischaemic foot disease/management/limitations of SW monofilament/bone mineral disease measurements/ -- Skin and wound healing -- Lower extremity wounds/pressure ulcers/epidermolysis bullosa/vasculitis -- Nutrition and wound healing -- In pressure ulcers/managing elderly/relevance of measurements -- Musculo Skeletal injuries and wound healing -- Trauma/common defects/measurements and their management -- Nervous system injuries and wound healing -- Lesions in those with spinal defects -- Complications in wound healing -- Infection/biofilms/managing comorbidities and relevant workup -- Epidemiology of wounds -- Lower extremity/diabetic foot/pressure wounds/area measurements and prognosis -- SECTION 2 -- Measuring Pressure -- Monofilaments/for gait analysis/for pressure relief -- Non invasive diagnostic measurements -- Vascular, tissue oxygen/areas and volumes -- Imaging measurements in wound healing -- Ultrasound, florescence microscopy/CT/MR -- The promise of

measuring hypoxia -- Redox potentials/hypoxia and measurements -- SECTION 3 -- Managing burns -- Burn wound management including measurements -- Managing scars -- Measurements to improve scar management -- Developments in scar management -- SECTION 4 -- Designing research studies in wound healing -- RCTs/Mechanistic studies -- Modelling in wound healing -- The use of systems biology -- Appendices -- List of Equipment Manufactures.

Sommario/riassunto

The lack of evidence-based medicine for the treatment of complex chronic wounds is apparent to most working in this challenging area. With increased longevity in most Western countries there is an increased prevalence of chronic diseases and consequently chronic wounds, especially the common venous and diabetic foot ulcer. There is therefore an urgent need to provide an evidence-based approach to the management of chronic wounds: an essential prerequisite is to have accurate measurements in the science of wound healing. *Measurements in Wound Healing: Science and Practice* covers the common chronic wounds from venous leg ulcers and diabetic foot disease to pressure ulcers. Chapters on topics such as burns and scarring are discussed alongside the all important topics of research in this area, randomized controlled trials and modeling. The editors have brought together a team of true experts of numerous disciplines from basic science to clinical medicine. The book is equally valuable to the specialist as well as those developing an interest in the management of wound healing.
