

1. Record Nr.	UNINA9910407732603321
Titolo	Technology in practical dermatology : non-invasive imaging, lasers and ulcer management / / edited by Michele Fimiani, Pietro Rubegni, Elisa Cinotti
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-45351-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (484 pages) : illustrations
Disciplina	616.5
Soggetti	Dermatology Plastic surgery Angiology Radiology Plastic Surgery Diagnostic Radiology Dermatologia Tecnologia mèdica Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Foreword -- Preface -- Section I - Imaging techniques for the evaluation of skin diseases -- 1. Dermoscopy: fundamentals and technology advances -- 2. Dermoscopy for benign melanocytic skin tumors -- 3. Dermoscopy for Melanoma -- 4. Dermoscopy for non-melanocytic benign skin tumors -- 5. Demoscopy for non-melanocytic malignant skin tumors -- 6. Dermoscopy for inflammatory diseases -- 7. Dermoscopy for infectious diseases -- 8. Digital dermoscopy analysis -- 9. Optical super-high magnification dermoscopy -- 10. Fluorescence videodermoscopy -- 11. Total body photography and sequential digital dermoscopy for melanoma diagnosis -- 12. History and Fundamentals of Reflectance Confocal Microscopy -- 13. In vivo reflectance confocal microscopy for benign melanocytic skin tumors -- 14. In vivo reflectance confocal microscopy for melanoma -- 15. In vivo

reflectance confocal microscopy for non melanocytic benign skin tumors -- 16. In vivo reflectance confocal microscopy for non melanocytic malignant skin tumours -- 17. In vivo Reflectance Confocal Microscopy for Inflammatory Diseases -- 18. In vivo reflectance confocal microscopy for infectious diseases -- 19. In vivo reflectance confocal microscopy for mucous membranes -- 20. Ex vivo confocal microscopy -- 21. Ultrasound -- 22. Optical coherence tomography -- 23. High-Definition optical coherence tomography -- 24. 3D imaging -- 25. Raman spectroscopy -- 26. Multispectral and Hyperspectral Imaging for skin acquisition and analysis -- 27. Electrical impedance in dermatology -- Section II - Lasers and light sources technologies in dermatology -- 28. Laser Light and Light-tissue Interaction -- 29. Laser and light sources: safety and organization issues -- 30. Intense polychromatic lights and light emitting diodes: what's new -- 31. Vascular lasers: tips and protocols -- 32. Broadband intense pulsed lights for vascular malformations -- 33. Pigment specific lasers for benign skin lesions and tattoos: long pulsed, nanosecond and picosecond lasers -- 34. Skin resurfacing: ablative and non-ablative lasers -- 35. Photorejuvenation: concepts, practice, perspectives -- 36. Laser hair removal: updates -- 37. Biophotonic therapy induced photobiomodulation -- 38. Photodynamic Therapy -- Section III - Technological advances in wound management -- 39. Temporary dressing -- 40. Extracellular matrices -- 41. Skin bank bioproducts: the basics -- 42. Clinical applications of skin bank bioproducts -- 43. Negative Pressure Wound Therapy -- 44. Tissue Engineered skin substitutes -- 45. Biologics in Wound Management -- 46. Stem Cell in Wound Healing -- Section IV - New complementary tools for dermatologic diagnosis -- 47. Microbiopsy in dermatology -- 48. Noninvasive genetic testing: adhesive patch-based skin biopsy and buccal swab -- 49. Liquid biopsies .

Sommario/riassunto

This book provides a complete overview on the latest available technologies in dermatology, while discussing future trends of this ever-growing field. This handy guide provides clinicians and researchers with a clear understanding of the advantages and challenges of laser and imaging technologies in skin medicine today. It also includes a section on imaging techniques for the evaluation of skin tumors, with chapters devoted to dermoscopy, in vivo and ex vivo reflectance confocal microscopy, high frequency ultrasound, optical coherence tomography, and a closing part on latest approaches to wound management. Completed by over 200 clinical images, Current Technology in Practical Dermatology: Non-Invasive Imaging, Lasers and Ulcer Management is both a valuable tool for the inpatient dermatologist and for physicians, residents, and medical students in the field.
