1. Record Nr. UNISALENTO991001545309707536

Autore	Atkins, Peter William
Titolo	Chimica fisica / Peter W. Atkins
Pubbl/distr/stampa	Bologna : Zanichelli, 1997
ISBN	8808092801
Edizione	[3a ed.]
Descrizione fisica	xix, 1123 p : ill. ; 27 cm.
Collana	Chimica. Chimica fisica
Classificazione	53(022) 53.9.2
Disciplina	541.3
Soggetti	Chimica fisica
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9911035046803321

Autore	Genisa Maya
Titolo	Biomechanics of Dental Implants : 3-Dimensional Bone Assessment Using CBCT from Laboratory to Clinics / / by Maya Genisa, Solehuddin Shuib, Zainul Ahmad Rajion
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819660230 9789819660223
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (142 pages)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-5318
Altri autori (Persone)	ShuibSolehuddin RajionZainul Ahmad
Disciplina	610.153
Soggetti	Medical physics Biomedical engineering Imaging systems in biology Mathematical physics Computer simulation Image processing - Digital techniques Computer vision Medical Physics Biomedical Engineering and Bioengineering Biological Imaging Computational Physics and Simulations Computer Imaging, Vision, Pattern Recognition and Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Biomechanics of dental implant 3 dimensional bone assessment using cbct from laboratory to clinic -- Biomechanics of dental implant 3dimensional bone assessment -- Digital imaging and implant stability and finiteelement analysis of study preparation -- Biomechanical assessment based on clinical measurement.
Sommario/riassunto	This book is a guide for both clinicians and researchers based on the intricate relationship between biomechanics and dental implant success. The book begins by exploring the fundamental principles of

biomechanics, including stress, strain, and bone adaptation. This knowledge is essential for understanding the forces acting on dental implants and the subsequent response of the surrounding bone tissue. The intricacies of CBCT technology, from image acquisition to analysis techniques, and its advantages and limitations in comparison to other imaging modalities are discussed to provide practical guidelines for selecting appropriate imaging protocols. The book helps bridges the gap between laboratory research and clinical practice, by presenting case studies demonstrating the clinical applications of CBCT-guided implant planning, and discusses the impact of 3D bone assessment on treatment outcomes. Furthermore, it explores emerging trends in CBCT technology and future directions in the field of dental implant biomechanics.