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Titolo	Biomechanics of dental implants : handbook of researchers / / Murat Cehreli, editor
Pubbl/distr/stampa	Hauppauge, N.Y., : Nova Science, c2012
ISBN	1-62100-817-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (381 p.)
Collana	Dental science, materials and technology
Altri autori (Persone)	CehreliMurat
Disciplina	617.6/93
Soggetti	Dental implants
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Mechanical properties of bone tissue / Maureen E. Lynch and Marjolein C.H. van der Meulen -- Animal models for biological/biomechanical assessment of endosseous implants / Murat Cehreli -- Nanotopography in dental implant surfaces / Gustavo Mendonca, Daniela B.S. Mendonca, and Lyndon F. Cooper -- Measuring implant stability / Murat Cehreli -- Animal experimental findings on the effect of mechanical load on peri-implant tissue differentiation and adaptation / Katleen Vandamme, Ignace Naert, and Joke Duyck -- Histologic and histomorphometric evaluation of implants retrieved from humans / Giovanna Iezzi ... [et al.] -- Finite element analysis in dental implant biomechanics / Roberto S. Pessoa and Siegfried V.N. Jaecques -- Strain measurement and electric resistance strain gauges / Ergin Tonuk -- Photoelastic stress analysis / Murat Cehreli -- Reliability of experimental stress/strain data / Murat Cehreli -- Treatment planning for implant-supported fixed and removable prostheses / Regina Mericske-Stern -- Implant supported fixed partial prosthesis : current concepts and future directions / Kivanc Akca -- Biomechanics of post and core restorations / Burak Sadik and Serdar Arikan -- Evidence based dentistry hierarchy / Steven Eckert.
Sommario/riassunto	Biomechanics is applied to many fields of dentistry including treatments involving the use of dental implants to provide a means for predicting the clinical outcome. Several experimental and theoretical approaches are being used to accomplish this goal. This book provides a brief guide to the apprentice, along with the most complete picture of

clinical/animal/experimental biomechanical studies related to state-of-art dental implants. This book also includes a brief section related to post and core restorations.