1. Record Nr. UNINA9910495157303321

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Titolo	3D Printing in Oral & Maxillofacial Surgery / / by Lobat Tayebi, Reza Masaeli, Kavosh Zandsalimi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-77787-1
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (223 pages)
Disciplina	616.0754 617.52059
Soggetti	Mouth - Surgery Biotechnology Dentistry Oral and Maxillofacial Surgery Cirurgia oral Cirurgia maxil·lofacial Impressió 3D Biotecnologia Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1) Introduction to 3D-printing in Oral and Maxillofacial Surgery -- Chapter 2) 3D-Printing Methods Applicable in Oral and Maxillofacial Surgery -- Chapter 3) 3D-Bioprinting in Oral and Maxillofacial Surgery -- Chapter 4) 3D-Printed Medical Modeling for Oral and Maxillofacial Surgeries -- Chapter 5) Application of 3D-Printing in Production of Dental Instruments -- Chapter 6) 3D-Printing in Treatment of Soft, Hard, and Critical-Sized Oral and Maxillofacial Tissue Defects -- Chapter 7) Application of 3D-Printing in Reconstruction of Oral and Maxillofacial Multi- and Interfacial Tissue Defects.
Sommario/riassunto	This book is a comprehensive guide to 3D printing and 3D bioprinting methods and their application in oral and maxillofacial surgeries. Among the 3D printing methods considered are fused deposition

modeling, selective laser sintering, photopolymer jetting, powder binder printing, and stereolithography, while the coverage of 3D bioprinting encompasses inkjet, microextrusion, and laser techniques. In each case, the relevance of the technique to oral and maxillofacial surgery is explained. In addition, the available inks and bioinks for 3D printing are reviewed. The roles of soft and hard tissue printing in oral and maxillofacial tissue engineering and the use of 3D printing in multi- and interfacial tissue engineering are then examined in depth. The particular value of 3D printing in the treatment of critically sized defects is discussed separately. Finally, up-to-date information is provided on guided tissue/bone regeneration using 3D printing. The book will be of interest to both oral and maxillofacial surgeons and biomedical engineers.