

1. Record Nr.	UNINA9910734836103321
Autore	Tokgöz Emre
Titolo	Cosmetic and Reconstructive Facial Plastic Surgery : A Review of Medical and Biomedical Engineering and Science Concepts // by Emre Tokgöz, Marina A. Carro
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031311680 303131168X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (400 pages)
Altri autori (Persone)	CarroMarina A
Disciplina	610.28 617.520592
Soggetti	Biomedical engineering Surgery, Plastic Biomechanics Otolaryngology Biomedical Engineering and Bioengineering Medical and Health Technologies Plastic Surgery Biomechanical Analysis and Modeling Otorhinolaryngology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Non-Surgical Aesthetic Procedures of the Face -- Aesthetic Surgical Augmentation of the Upper Face and Cheeks -- Aesthetic Surgical Augmentation of the Nose and Lower Face -- Surgical Reconstruction of Craniofacial Malformations -- Reconstructive Facial Surgery: Burns, Trauma, Oncoplastic Repair -- Future Directions for Surgical Advancements -- Cosmetic & Reconstructive Facial Plastic Surgery Related Simulation & Optimization Efforts -- Biomechanics of Facial Plastic Surgery Applications -- Applications of Artificial Intelligence, Machine Learning, and Deep Learning on Facial Plastic Surgeries -- Robotics Applications in Facial Plastic Surgeries -- Engineering Psychology of Facial Plastic Surgery Patients -- Technological

Sommario/riassunto

Cosmetic and Reconstructive Facial Plastic Surgery: Medical and Biomedical Engineering and Science Concepts provides an extensive overview of the most recent technological advancements in facial plastic and reconstructive surgeries and head and neck surgery through a thorough review of the literature in biomedical engineering, technology, and medicine. Coverage includes the most recent engineering and computing techniques, such as robotics, biomechanics, artificial intelligence (AI), deep learning (DL), machine learning (ML), and optimization, as well as the medical and surgical aspects of medical and scientific methods, surgical and non-surgical procedure types, complications, patient care, and psychological factors. This book will be a valuable introduction to concepts and advances for otorhinolaryngology, biomedical researchers, academics, and students. Offers extensive coverage and ideas for furthering advancements and research; Provides a broad introduction to the subject; Explores the most recent engineering and computing techniques.
