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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.

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