This book amalgamates the basic concepts in understanding the science of maxillofacial skeleton with the clinical skills required towards managing complex facial fractures. The book is presented in two sections. The first section introduces the readers with the introduction to maxillofacial trauma, biomechanics of maxillofacial skeleton, the principle of internal fixation, medicolegal aspects of maxillofacial trauma, and preoperative workup which provides a brief outline towards an understanding of the basic concepts about the anatomy and physiology of facial skeleton. The second section is oriented clinically with case-based discussions that start from the emergency management of facial trauma including the recent protocols of basic life support and advanced trauma life support, emergency airway management followed by definitive management guidelines in stabilizing and fixing the fractured facial bones. The clinical cases have been discussed in a way to provide practical knowledge and skills to the postgraduate students and clinicians who will enhance their knowledge and facilitate the decision-making process. This book would be a valuable read for clinicians in oral & maxillofacial surgery, ENT surgery, plastic surgery and allied trauma specialists dealing with maxillofacial trauma.
face and jaws and are frequently held liable for recognizing pathologies and other sites of concern. Oral and Maxillofacial Radiology: A Diagnostic Approach provides clinicians of varied disciplines and skill levels a practical and systematic approach to diagnosing lesions affecting the face and jaws. Firmly grounded in evidence-based research, the book presents a clear understanding of the clinical impact of each lesion within a prospective diagnosis. Oral and Maxillofacial Radiology is logically organized, beginning with the basics of radiological diagnosis before discussing each of the advanced imaging modalities in turn. Modalities discussed include helical and cone-beam computed tomography, magnetic resonance imaging, positron emission tomography, and ultrasonography. Later chapters cover radiological pathologies of the jaw, and also those of the head and neck immediately outside the oral and maxillofacial region. Written by a recognized expert in the field, Oral and Maxillofacial Radiology contains a multitude of clinical images, practical examples, and flowcharts to facilitate differential diagnosis.

The idea behind this book is to produce a fully comprehensive and highly illustrated "how to" technical reference manual, demonstrating surgical procedures in a step by step manner. This book also covers assessment and investigations, but focuses on the surgical and non surgical management of all aspect of maxillofacial trauma. It will include most, if not all, of the surgical approaches and techniques used, for all injuries. This volume includes emergency procedures and the various techniques in repair of fractures and soft tissue injuries, from the simple to the complex. Each step is illustrated photographically or with line diagrams, with explanatory text. This will enable surgical trainees and surgeons with limited trauma experience to understand how and why any particular procedure is undertaken.

This manual provides comprehensive information on the surgical techniques in internal fixation of fractures, in restoring tumour defects, and osteotomies in the craniofacial skeleton. Through detailed and instructive drawings together with clinical situations shown on x-rays it offers important guidelines for the surgeon in the operating room. The techniques are based on the general principles developed and continuously refined by the AO/ASIF group. This manual constitutes the written guideline of the surgical techniques as taught in the AO/ASIF courses and workshops throughout the world.

Fractures of the Facial Skeleton, Second Edition gives a clear, concise and practical overview of the management of maxillofacial injuries. This new edition has been fully updated to include recent developments and improvements in facial trauma management, with expanded sections on emergency and early treatment, soft tissue injuries and major maxillofacial injuries. Written by an experienced author team, this text will appeal to trainees in all surgical specialties involved in facial trauma. Summary tables and colour illustrations throughout aid understanding, making this both an ideal introduction to the subject and a useful exam revision text. Key features include: New, updated edition of a well-respected text Easy-to-read, practical clinical handbook Covers aetiology and anatomy, emergency management of trauma, imaging, treatment of dentoalveolar, mandible and midfacial injuries, postoperative care, and complications Suitable for postgraduate students, trainees and practitioners in oral and maxillofacial surgery and practitioners of other medical disciplines involved in facial trauma

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This book is an open access book with CC BY 4.0 license. This comprehensive open access textbook provides a comprehensive coverage of principles and practice of oral and maxillofacial surgery. With a range of topics starting from routine dentoalveolar surgery to advanced and complex surgical procedures, this volume is a meaningful combination of text and illustrations including clinical photos, radiographs, and
videos. It provides guidance on evidence-based practices in context to existing protocols, guidelines and recommendations to help readers deal with most clinical scenarios in their daily surgical work. This multidisciplinary textbook is meant for postgraduate trainees, young practicing oral surgeons and experienced clinicians, as well as those preparing for university and board certification exams. It also aids in decision-making, the implementation of treatment plans and the management of complications that may arise. This book is an initiative of Association of Oral and Maxillofacial Surgeons of India (AOOMSI) to its commitment to academic medicine. As part of this commitment, this textbook is in open access to help ensure widest possible dissemination to readers across the world.

This book aims to assist the reader in navigating the potentially complex decision-making process involved in selecting the most appropriate intervention for each particular scenario that may be encountered by the practitioner or surgeon in the growing patient with facial trauma. Among the topics covered are the initial management of both soft and bony trauma, including different types of fracture, as well as the management of complications and revision surgery. The discerning practitioner will learn how to provide the appropriate intervention at the appropriate time, by taking into account skeletal growth when matching techniques to the injuries more common in the skeletally immature patient. It is also emphasized that in some cases, no intervention is advisable owing to the possibility of damaging growth centers or introducing additional scar tissue that may impede future growth. Pediatric Maxillofacial Trauma will provide key knowledge for surgeons treating growing patients, ensuring that their decisions to operate or delay intervention are evidence based.

Clinical research continues to confirm that no truth is total care of the severely traumatized patient in the first more transitory than that in the sphere of scientific hours following the accident. Knowledge. Developments in the field of traumatology at The further development of the AO/ASIF concept led the end of this century provide a striking example of the comprehensive craniofacial surgery in the this. As early as 1890 Lambotte carried out osteosynthesis of traumato-logy, orthognatics, tumor, and rec-ses with plates and screws. These remained a mere epi-structive surgery. So, however, until Danis renewed the idea of internal AO/ASIF courses contributed fundamentally to the fixation 50 years later. Danis combined internal fixation development of these fields. In the course of its wor- with the new technique of interfragmentary compres-sion, which led to primary bone healing that allowed full attract distinguished authors to join the faculty of function at the same time. Reacting to disconcerting sta-tistics about the results of conservative fracture treat-tal, and theoretical experience, they take part in shaping ment. Mueller then applied interfragmentary compres-sion to 80 patients in Switzerland and confirmed its use- sion technique in the craniofacial sion to 80 patients in Switzerland and confirmed its use- skeleton. The philosophical aspect of AO/ASIF courses fulness in theory and practice assures high standards of quality.

Offering authoritative guidance and a multitude of high-quality images, Facial Trauma Surgery: From Primary Repair to Reconstruction is the first comprehensive textbook of its kind on treating primary facial trauma and delayed reconstruction of both the soft tissues and craniofacial bony skeleton. This unique volume is a practical, complete reference for clinical presentation, fracture pattern, classification, and management of patients with traumatic facial injury, helping you provide the best possible outcomes for patients’ successful reintegration into work and society. Explains the basic principles and concepts of primary traumatic facial injury repair and secondary facial reconstruction. Offers expert, up-to-date guidance from global leaders in plastic and reconstructive surgery, otolaryngology and facial plastic surgery, oral maxillofacial surgery, neurosurgery, and oculoplastic surgery. Covers innovative topics such as virtual surgical planning, 3D printing, intraoperative surgical navigation, post-traumatic injury, treatment of facial pain, and the roles of microsurgery and facial transplantation in the treatment of traumatic facial injuries. Includes an end commentary in every chapter provided by Dr. Paul Manson, former Chief of Plastic Surgery at Johns Hopkins Hospital and a pioneer in the field of acute treatment of traumatic facial injuries. Features superb photographs and illustrations throughout, as well as evidence-based summaries in current areas of controversy.
Featuring over 400 full-color surgical photographs and drawings, this text/atlas is a step-by-step guide to the surgical approaches used to expose the facial skeleton. The authors describe in detail the key anatomic structures and the technical aspects of each approach, so that the surgeon can safely gain access to the region of the craniofacial skeleton requiring surgery. This Second Edition includes full-color intraoperative photographs that complement the surgical drawings. Several new approaches have been added: the transconjunctival approach to the medial orbit, subtarsal approach to the internal orbit, Weber-Ferguson approach to the midface, and facial degloving approach to the midface.

Traditionally, each specialty involved in craniomaxillofacial trauma and orthognathic surgery had its own areas of interest and expertise. This introductory textbook is different in that it presents the combined and focused expertise and competence of the different specialties on the entire craniofacial skeleton. The principles described in this textbook represent the evolution of craniomaxillofacial buttress reconstruction over the last 60 years. In addition to standard procedures, techniques representing recent surgical advances and new developments are introduced as well. This textbook not only provides an overview on current concepts of craniomaxillofacial trauma care and orthognathic surgery, but also helps to understand the complexity of the craniofacial skeleton and its related soft tissues for an efficient and successful reconstruction of the face following trauma and congenital deformities.

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