

been discussed in much detail in this book, as well as popular techniques of performing the pterygopalatine ganglion block. With over four decades of personal experience researching, practicing, and teaching in the area of acute pain management, Professor Boezaart is highly qualified to bring this in depth resource to the student. Dr. Reyneke holds numerous professorships in Maxillofacial and Oral Surgery internationally, including the University of the Witwatersrand in Johannesburg, ZA, University of Florida, US, University of Oklahoma, US, and University of Nacional Autónoma de México, San Salvador, MX.

Essentials of Plastic Surgery: Q&A Companion is the companion to Essentials of Plastic Surgery, Second Edition, which covers a wide variety of topics in aesthetic and reconstructive plastic surgery. As such, it is designed to test your knowledge of the source book, which may be helpful in the clinical setting and beyond. It presents both multiple choice questions and extended matching questions in single best answer format. The 1200 questions are carefully constructed to be practical and thorough, and are accompanied by detailed answers that help enhance understanding of both the right and wrong answers. Compact enough to fit in a lab coat pocket, its design and organization allow for quick and easy reading. The print book is accompanied by a complimentary eBook that can be accessed on smartphones and tablets. It is the go-to resource for all students of plastic surgery, whether residents in training or experienced practitioners. Now in full color, Maxillofacial Surgery, 3rd Edition covers the entire specialty of maxillofacial surgery, including craniofacial deformity, oral surgery, trauma, and oncology. Unlike other OMFS texts where the contributors are singly boarded in oral surgery, this richly illustrated text boasts OMFS contributors who are all dual boarded in both oral surgery and medicine. Thoroughly updated with evidence-based content, it addresses the advances in technology and procedures providing oral and maxillofacial surgeons with new and exciting treatment options. And with print and digital formats, it is easy to use in any setting. Authoritative guidance on oral and maxillofacial surgery by internationally recognized experts in the field. 2,800 illustrations, including radiographs and full color artwork and clinical photos, provide clinicians and OMS residents with a clear visual guide to diagnoses, key concepts, and surgical techniques, as well as examples of preoperative and postoperative results. A multidisciplinary approach reflects the best practices in the disciplines of oral and maxillofacial surgery, head and neck surgery, plastic surgery, and otolaryngology. Covers contemporary techniques and technological advances at the forefront of maxillofacial surgery. Evidence-based content supports the newest, most up-to-date diagnostic and therapeutic options available for a wide variety of clinical problems. Key Points and Pitfalls boxes clearly identify the most important information, as well as potential problem areas that can arise when treating patients. Available in print and digital formats that can be easily accessed via mobile tablets and smart phones in any setting, making it perfect for the modern student of surgery. NEW! Full-color images clearly depict pathologies, concepts, and procedures. EXPANDED and UPDATED! Expanded from 82 to 111 chapters with thoroughly revised content that reflects current information and advances in OMS, so clinicians and students can depend on this text as their go-to resource on oral maxillofacial surgery. NEW! 29 new state-of-the-art chapters covering new topics, including the salivary glands, thyroid and parathyroid glands, tissue engineering, navigational surgery, 3D modeling, and lasers in OMFS. NEW! Two new editors, Professors Brennan and Schliephake, and new section editors and contributors have helped bring advances in the field of oral and maxillofacial surgery and offer a fresh perspective. UPDATED! Expanded chapter on cancer keeps you in the know.

Orthognathic Surgery: Principles, Planning and Practice is a definitive clinical guide to orthognathic surgery, from initial diagnosis and treatment planning to surgical management and postoperative care. Addresses the major craniofacial anomalies and complex conditions of the jaw and face that require surgery Edited by two highly experienced specialists, with contributions from an international team of experts Enhanced by case studies, note boxes and more than 2000 clinical photographs and illustrations Serves as an essential reference for higher trainees and practicing clinicians in cranio-maxillofacial surgery, orthodontics, plastic and reconstructive surgery and allied specialties Features include detailed information on the methods of assessing facial deformities, coverage of both simple and advanced surgical techniques, and a hands-on approach accessible to both trainee and practising oral and maxillofacial surgeons.

Anchorage control is one of the most challenging tasks in orthodontic treatment. Many different types of appliance are used to control anchorage, but an excellent outcome may be difficult to achieve owing to either poor mechanics or inadequate patient compliance. Recently, temporary skeletal anchorage devices (TSADs) have become popular in orthodontics. Some orthodontic movements that are now possible using TSADs were previously considered almost impossible with traditional orthodontic appliances. Several different types of TSAD are currently available, and in choosing between them orthodontists are obliged to rely on the information provided by manufacturers, which is often not based on scientific evidence. This book therefore presents the various design characteristics of TSADs and provides up-to-date scientific evidence to assist orthodontists in selecting the best TSADs for their patients.

This color atlas and manual provides clinicians with systematic, standardized, but also individualized step-by-step guidance on 3D virtual diagnosis, treatment planning, and outcome assessment in patients undergoing orthognathic surgery for maxillofacial deformities. Drawing on 20 years of experience, the authors elucidate the clinical potential of the approach while also highlighting current pitfalls and limitations. The opening two chapters discuss the 3D imaging workflow and its integration into daily clinical routine and comprehensively describe cone-beam CT virtual diagnosis. The stepwise 3D virtual planning of orthognathic surgery and transfer of the 3D virtual treatment plan to the patient in the operating room are then thoroughly explained, and the unprecedented potential of 3D virtual evaluation of treatment outcome, documented. Finally, after provision of all this essential background information, the closing chapter illustrates the application of the 3D virtual approach in different types of maxillofacial deformity. Orthodontists and orthognathic and orthofacial surgeons will find 3D Virtual Treatment Planning of Orthognathic Surgery to be a superb guide and resource.

Fully updated to meet the demands of the 21st-century surgeon, this title provides you with all the most current knowledge and techniques across your entire field, allowing you to offer every patient the best possible outcome. Edited by Drs. Mathes and Hentz in its last edition, this six-volume plastic surgery reference now features new expert leadership, a new organization, new online features, and a vast collection of new information - delivering all the state-of-the-art know-how you need to overcome any challenge you may face. Renowned authorities provide evidence-based guidance to help you make the best clinical decisions, get the best results from each procedure, avoid complications, and exceed your patients' expectations.

The mandible plays an important role in facial esthetic, balance and beauty, as well as the important motions necessary for food consumption and speech. This book provides a practical, easy to follow step by step approach to the bilateral sagittal split mandibular ramus osteotomy. The importance of the three dimensional aspects of the mandible is highlighted as part of the systematic evaluation and treatment of dentofacial deformities. The surgical techniques for the successful completion of this procedure, including the authors comments, relevant tips and a listing of traps that may lead to poor results or complications, serve as a guide, for not only residents and beginning surgeons, but also as a helpful resource for experienced surgeons.

This practical resource helps readers arrive at an integrated understanding of both general and oral surgery - in one convenient text. A companion to Wray: Textbook of General and Oral Medicine, it provides the basic principles of general surgery and general medicine and a more detailed knowledge of certain areas of these specialties which are related to dentistry or have an influence on the practice of dentistry. Covers both general and oral surgery, giving the reader an integrated understanding of both subjects in one book.

Discusses the basic principles of surgery at a level appropriate for future dentists. Provides information on general topics including wound healing and sepsis that is essential for all dentists. Gives an understanding of those specialist areas of surgery which have particular relevance to dentistry - including maxillofacial trauma, orthognathic surgery, and management of cleft palate. Includes comprehensive coverage of oral surgery. Covers anesthesia and sedation techniques. Offers clear line diagrams throughout.

This latest edition is an expanded and up-to-date version of the classic operative manual for surgical and orthodontic consultants, trainees and theatre and ward staff. It includes the completely new sections of "Non-Surgical Facial Aesthetics" and the "A

Plastic Surgery Essentials

New edition of a popular textbook of dental radiography and radiology for undergraduate and post-graduate dental students and general dental practitioners The volume is now available with an all new online self assessment questions and answers module and an online, regularly updated, summary of the current UK ionising radiation legislation and guidance on good practice for all dental practitioners as well as a summary of the latest UK guidance in relation to the use of Cone Beam CT (CBCT) equipment. The self assessment questions have been specially prepared for each of the 32 Chapters to enable students to assess their own knowledge and understanding as they prepare for examinations. These include a mixture of single best answer and multiple correct answer questions, drag and drop identification of radiological anatomy as well as new examples of various pathological conditions to enable practice of diagnostic skills. Provides a comprehensive account of the radiology and radiography topics usually examined at undergraduate and postgraduate level Clear and accessible approach to the subject makes learning especially easy More than 1100 illustrations - many of them updated - present clinical, diagnostic and practical information in an accessible manner Contains recent classifications and advanced imaging modalities including cone beam CT imaging techniques An online, regularly updated, summary of the current UK ionising radiation legislation and guidance on good practice for all dental practitioners as well as a summary of the latest UK guidance in relation to the use of Cone Beam CT (CBCT) equipment An all new online self assessment questions and answers module. Questions have been specially prepared for each of the 32 Chapters to enable students to assess their own knowledge and understanding as they prepare for examinations. These include a mixture of single best answer and multiple correct answer questions, drag and drop identification of radiological anatomy as well as new examples of various pathological conditions to enable practice of diagnostic skills. Includes a new chapter on cone beam technology and numerous examples of advanced imaging throughout the book Digital technologies are changing the way that surgeons operate. They are revolutionizing the ability of surgeons to visualize, plan, and create rapid prototyped models and patient- specific implants for the broad disciplines of ENT, plastic, oral and maxillofacial surgeons. This book provides information on the latest digital technologies available for craniomaxillofacial surgery, discussing how this technology allows for preplanned procedures with improved and superior outcomes. Rather than improvise during surgery, surgery and its procedures can be preconceptualized with superior outcomes and decreased patient morbidity.

This book introduces readers to a methodology that will allow an accurate diagnosis and the choice of an adequate treatment and planning essential for better and more stable results on a step by step basis. Starting from an overview of the orthodontic problem, clinicians can readily integrate new and background knowledge, get beyond controversial topics and approaches thus optimizing diagnostic and therapeutic procedures that modern technology ahs now made available. The authors have laid the emphasis on the gnathological study suggesting its systematic use in the diagnostic process, as a growing awareness that teeth aesthetics at the expense of functional aspects often leads to relapses, unsatisfactory occlusal functioning and a negative impact on the TMJ. Finally the authors combine orthodontics and orthognathic surgery into a more comprehensive concept; an orthodontic surgical treatment which, on the basis of an in-depth diagnosis, adequate planning and visualization of therapeutic objectives, allows a better communication and tuning between orthodontists and surgeons.

Written in the proven Secrets? question-and-answer format, Oral and Maxillofacial Surgery Secrets, 3rd Edition is an authoritative source for the effective and safe practice of oral and maxillofacial surgery (OMS) - and the ideal preparation tool for clinical rotations, exams, and board certification in OMS. Thoroughly revised and updated with the most current clinical information, this new edition provides dental students, OMS residents, and clinicians with practical tips, answers, and secrets from OMS experts. Best of all, it fits in your lab coat pocket so you can consult it wherever you go! Over 2,300 questions and answers offer valuable pearls, tips, memory aids, and secrets from oral and maxillofacial surgery experts in a concise, easy-to-read format. Popular and trusted Secrets? question-and-answer format helps you better understand the questions you are asked and provides you with perspective for the questions you ask yourself. Edited by two highly respected leaders in oral and maxillofacial surgery (OMS), with chapters written by internationally recognized experts in the field, making this an authoritative resource for the safe and effective practice of OMS. Convenient pocket size means you can consult this book wherever you go and carry it in your lab coat. NEW! 13 all-new chapters bring you the most current clinical information on recent advances in the science and practice of oral and maxillofacial surgery. NEW!

Cosmetic Surgery section covers the evaluation of the aging face, forehead/belpharoplasty, facelift/neck, rhinoplasty, and non-invasive cosmetic procedures. NEW! Updated Secrets? two-color design highlights questions, tables, boxes, and bulleted lists so you can find information more easily.

Fully updated to meet the demands of the 21st-century surgeon, Plastic Surgery provides you with all the most current knowledge and techniques across your entire field, allowing you to offer every patient the best possible outcome. Edited by Drs. Mathes and Hentz in its last edition, this six-volume plastic surgery reference now features new expert leadership, a new organization, new online features, and a vast collection of new information - delivering all the state-of-the-art know-how you need to overcome any challenge you may face. Renowned authorities provide evidence-based guidance to help you make the best clinical decisions, get the best results from each procedure, avoid complications, and exceed your patients' expectations. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Apply the very latest advances in every area of plastic surgery and ensure optimal outcomes with evidence-based advice from a diverse collection of world-leading authorities. Master the latest on stem cell therapy, tissue engineering, and inductive therapies • aesthetic surgical techniques and nonsurgical treatments • conjoined twin separation and other craniofacial surgery advances • microsurgical lymphatic reconstruction, super microsurgery, and sternal fixation • autologous lipofilling of the breast • nerve transfers in hand surgery, hand allotransplantation, and functional prosthetics • and much, much more. Easily find the answers you need with a new organization that features separate volumes covering Principles • Aesthetic • Craniofacial, Head and Neck Surgery • Lower Extremity, Trunk and Burns • Breast • and Hand and Upper Extremity, plus a more templated, user-friendly, high-yield presentation. Visualize procedures more clearly through an abundance of completely redrawn full-color illustrations and new color clinical photographs. Access the complete, fully searchable contents of each volume online, download all the tables and figures, view 160 procedural videos, and take advantage of additional content and images at www.expertconsult.com!

This book is a comprehensive guide to the surgery-first orthognathic approach for patients with malocclusion and skeletal disharmony, which has been successfully applied by the authors in their practices over the past 15 years. The approach breaks with the time-tested principles of traditional orthognathic surgery in that corrective bone surgery is performed first, without the removal of dental compensations, followed by orthodontic finishing. All aspects are covered with the aid of numerous illustrations, the aim being to provide surgeons with a systematic educational tool that will enable them to introduce the approach into their own practice. In addition, the book addresses one of the hot issues in orthodontics, occlusal plane-altering orthognathic surgery, in which surgical modification of the occlusal plane is employed to treat various types of dentofacial deformity and improve facial proportions. This promises to become a very powerful tool in modern orthognathic surgery.

The scope of OMF surgery has expanded; encompassing treatment of diseases, disorders, defects and injuries of the head, face, jaws and oral cavity. This internationally-recognized specialty is evolving with advancements in technology and instrumentation. Specialists of this discipline treat patients with impacted teeth, facial pain, misaligned jaws, facial trauma, oral cancer, cysts and tumors; they also perform facial cosmetic surgery and place dental implants. The contents of this volume essentially complements the volume 1; with chapters that cover both basic and advanced concepts on complex topics in oral and maxillofacial surgery.

This is a unique and comprehensive, but concise illustrated operative manual for surgical and orthodontic consultants and trainees as well as for theatre and ward staff. It also describes in detail the current state of computerised cephalometry and contains up-to-date sections on imaging and surgical planning. Some important sections include: Secondary management of clefts (including the role of distraction osteogenesis); rhinoplasty surgery; temporomandibular joint ankylosis; nutrition; the important psychopathological aspects of orthognathic surgery, where the borderland between aesthetics and cosmesis can destabilise the patient and create unexpected problems for the clinician; and there is a unique section on the multistage planning process, which provides an increased understanding of the accuracy of record transfer and the challenges of rigid internal fixation.

This issue of the Atlas of the Oral and Maxillofacial Surgery Clinics focuses on Orthognathic Surgery. Articles will feature The Sagittal Split Osteotomy, Genioplasty, Intraoral Vertical Ramus Osteotomy, Lefort 1 Osteotomy, Lefort 2 and 3 Osteotomy, Implications of Two Jaw Sequencing, Surgically Assisted Rapid Palatal Expansion, Simultaneous Total Joint Replacement and Orthognathic Surgery: Planning and Sequencing and Surgical Approaches, and more!

The facial deformity caused by mandibular prognathism has long been of great interest to the orthodontist. The deformity of the lower jaw is readily expressed as a profile disfigurement, since the soft tissues of the face depend on the lower jaw for much of their contour. The dental literature is replete with various surgical techniques for the correction of mandibular prognathism. The consequences of surgery on facial appearance are of great importance, Therefore an accurate prediction of the post-operative facial profile comprises an essential and integral part of the diagnostic and treatment planning procedures of the combined surgical & orthodontic therapy. This book therefore aims to describe the inter- relationships of the soft tissue and dentoskeletal profiles after total mandibular setback osteotomies and to detect whether there were any cephalometric variables that could contribute to an accurate prediction of the surgical effect on the soft tissue profile. BSSO, mandibular set back was done. Results showed that the facial concavity, to the relationship of the hard and soft tissue chin to the upper face, was decreased, facial esthetics was improved.

With cases reflecting the classic presentation format of each disease process, this book prepares students for patient encounters during their oral and maxillofacial surgery rotations. It also helps residents learn and review "high yield" material that is commonly found in oral and maxillofacial training and on board examinations. It highlights clinical information that is commonly asked during rounds, in the operating room, and during examinations. For each case, it includes an overview of the most common clinical presentation, physical exam findings, diagnostic tools, complications, treatment, and a discussion of any controversial issues that may surround the case. The authors describe Clinical Review of Oral and Maxillofacial Surgery as "A little reach for the dental student, right on target for the OMS resident, and a strong refresher for OMS board certification." This title includes additional digital media when purchased in print format. For this digital book edition, media content is not included. Case-based format prepares students and residents to pass the OMSSAT, with the Table of Contents corresponding to the exam's categories and questions. 95 clinical cases focus on essential information regarding each

disease process. Detailed illustrations -- including radiographs and clinical photographs or drawings -- provide a visual guide to conditions, techniques, diagnoses, and key concepts. Contributing authors include recent graduates or senior residents in oral and maxillofacial surgery, so they are fully cognizant of students' and residents' needs as they prepare for cases, exams, and surgical procedures. Complements other Elsevier books such as Peterson: Contemporary Oral and Maxillofacial Surgery, Fonseca: Oral and Maxillofacial Surgery, and Ward Booth: Maxillofacial Surgery.

"This book presents a concise approach to the diagnosis and surgical treatment of patients with dentofacial deformities. In-depth chapters detail the treatment process of patient evaluation, analysis of diagnostic records, development of a visual treatment objective, treatment planning, and surgical management. The most common surgical techniques are featured in step-by-step protocols. Although the basic science of orthognathic surgery remains unchanged, the contents of this book have been updated to reflect the most current interpretation of diagnostic data, including expanded discussions of the rotation of the maxillomandibular complex and anterior open bite dentofacial deformities as well as new sections on distraction osteogenesis and the intraoral vertical mandibular ramus osteotomy. Full-color illustrations and comprehensive case reports complement the text and demonstrate treatment outcomes."--Publisher.

Written by expert surgeons and educators, Current Therapy in Oral and Maxillofacial Surgery covers the latest treatment strategies, surgical techniques, and potential complications in OMS. Emphasizing an evidence-based approach, it covers all 12 subspecialties of OMS, addressing topics from surgical principles to oral surgery, anesthesia, cranio-maxillofacial trauma surgery, head and neck surgery, maxillofacial reconstructive surgery, orthognathic surgery, pediatric craniofacial surgery including cleft lip and palate, temporomandibular joint disorders, facial plastic surgery including rhinoplasty and facelifts, obstructive sleep apnea, and oral and maxillofacial infections. At the end of each chapter, Pearls and Pitfalls summarize the authors' insight, recommendations, and experience on that topic. Editor Dr. Shahrokh Bagheri is a noted professor, researcher, and speaker on OMS, and he leads an expert author team including Dr. R. Bryan Bell and Dr. Husain Ali Khan to help you master and apply the latest advances in OMS. More than 1,200 full-color photos and 200 color line drawings illustrate concepts and provide visual guidance in clinical areas. Comprehensive sections and chapters represent essential topics, the newest advances, and controversial topics. Clinical coverage brings together the latest knowledge in OMS in a concise, easy-to-apply way. Resident-specific coverage describes the wide array of subspecialties and treatments available in the armamentarium of the modern OMS. A focus on complications ensures that you are knowledgeable in this important part of any therapy or surgical discipline. Expert contributors include the "best of the best," featuring leading, well-established, and respected surgeons and educators writing on their areas of specialty and providing current treatment strategies.

Expressly designed for surgeons in training who are new to nasal rhinoplasty, this textbook is written in a simple didactic style. A century after the first open rhinoplasty was performed by Dr. Aurel Réthi in Hungary, open rhinoplasty is now the most commonly used approach to aesthetic and reconstructive nasal surgery; the author's decades of experience will safely guide the reader through her/his journey from the first contact with new patients to the postoperative analysis of clinical results. Instead of the usual classification of surgical techniques and anatomical regions, here the learning process is based on a sequence of steps, each of which addresses the most frequent problems that surgeons are likely to encounter in everyday clinical practice. In addition, the most relevant surgical instruments and electromedical devices are presented, together with their specific features and techniques, such as inclination and positioning during the procedure. Each step is richly illustrated and supported by a suggested reading list, as well as content on ethical and general principles. A specific chapter on radiological pre-evaluation assessment makes this book unique. Given its clear structure, its appealing didactic style and wealth of figures, Basic Open Rhinoplasty offers a much-valued step-by-step companion for postgraduate students, surgeons in training, and medical practitioners who deal with rhinoplasty in their clinical practice.

Physical attractiveness of the face has a significant impact on the social life and daily interaction of individuals as well as ones general perception of life. Proper surgical planning for aesthetic facial surgery requires a meticulous analysis of the patients current and desired facial features from the perspective of both soft and hard tissues. Significantly greater changes to facial aesthetics can be made via the alteration of the main bony structures of the face than by alteration of soft tissue and skin alone. Various surgical and clinical techniques are available for the augmentation, reduction or refinement of the most prominent aspects of facial aesthetics, such as alterations to the cheek, chin, nose, para-nasal area, as well as the angle of the jaw. These techniques can be categorized as office-based or non-invasive techniques (filler injections, facial liposculpture or liposuction to modify the soft tissue of the face) and invasive surgical interventions such as facial prosthesis and maxillofacial osteotomies. In order to achieve the optimum aesthetic results for patients who undergo bi-maxillary or mono-maxillary orthognathic surgery, it is of paramount importance to utilize a hard and soft-tissue integrated approach. These integrated approaches have utilized the latest techniques in 3-dimensional printing, computer-assisted surgery, tissue engineering and stem-cell therapy in order to achieve positive and lasting outcomes. Integrated Procedures in Facial Cosmetic Surgery includes chapters that focus on facial analysis and clinical evaluation and best practices in surgical techniques such as: principles of bone contouring; genioplasty; mentoplasty; malarplasty; rhinoplasty; orthognathic surgery and intra-oral plastic surgery; lifting procedures like blepharoplasty; surgical approaches to cleft lip and palate surgery; as well as the principles of facial photography. Written by a team of renowned international experts, this textbook features over 900 original photographs, fully illustrating each procedure in a stepwise manner. Integrated Procedures in Facial Cosmetic Surgery is an essential companion for oral and maxillofacial surgeons, plastic surgeons and otolaryngologists, as well as for cosmetic surgeons and clinical residents dealing with face rejuvenation. Its contents will also be of interest to dentists, prosthodontists, periodontists, radiologists, general surgeons, and dermatologists.

Wiley-Blackwell's Clinical Cases series is designed to recognize the centrality of clinical cases to the profession by providing actual cases with an academic backbone. Clinical Cases in

Orthodontics applies both theory and practice to real-life orthodontic cases in a clinically relevant format. This unique approach supports the new trend in case-based and problem-based learning, thoroughly covering topics ranging from Class I malocclusions to orthognathic surgery. Highly illustrated in full color, Clinical Cases in Orthodontics' format fosters independent learning and prepares the reader for case-based examinations.

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This 2nd book in Dr. Reyneke's series provides a practical, easy to follow step by step approach to performing the Le Fort 1 Maxillary Osteotomy. The importance of all aspects of the surgery is outlined as part of the treatment of dentofacial deformities. The surgical techniques for the successful completion of this procedure, including the authors comments, relevant tips and a listing of traps that may lead to poor results or complications, serve as a guide, for not only residents and beginning surgeons, but also as a helpful resource for experienced surgeons. Dr. Reyneke holds numerous professorships in Maxillofacial and Oral Surgery internationally, including the University of the Witwatersrand in Johannesburg, ZA, University of Florida, US, University of Oklahoma, US, and University of Nacional Autònoma de Mexico, San Salvador, MX. He was appointed an extraordinary professor at the University of the Western Cape, ZA (2014), awarded the Fellowship in Maxillofacial and Oral Surgery (2003) by peer review in the College of Medicine of South Africa, and obtained his PhD at the University of Tampere, FI (2006). With a passion for Orthognathic and Reconstructive facial surgery, Johan has presented numerous courses and lectures on the subject on every continent, including presenting the Presidential lecture at the 21st Intl Conference of Oral and Maxillofacial Surgeons in Barcelona (2013). The author of more than 93 papers in refereed journals and chapters in several well-known textbooks on Oral and Maxillofacial surgery, he has also published several texts, including, Essentials of Orthognathic Surgery, the 2nd Edition of which became available in 2010. He has served on the Exec. Committee (1984-2000) and as President (1994-1998) of the South African Society of Maxillofacial & Oral Surgeons, as President of the College of Maxillofacial & Oral Surgeons of South Africa (2008-2011), on Editorial boards for international journals, and has performed more than 8,950 orthognathic surgical procedures in his 41-year career. His professional awards are too numerous to mention, and amazingly, amidst all this, he finds leisure time to spend on his other passions, art and golf. There is surely no one more qualified to present this new volume than Dr. Johan P Reyneke.

Orthognathic surgery is mostly performed to correct developmental or acquired oral and maxillofacial skeletal deformities (OMSDs). During the past three decades, significant advances in surgical osteotomy techniques and instrumentation have been developed and carried out in orthognathic surgery. However, the basic surgical principles have more or less remained unchanged. At the same time, numerous surgical techniques have been developed and refined and used by surgeons in the field of oral and maxillofacial surgery. These techniques have treatment of the most complex dentofacial deformities with confidence. Additionally, it has been possible to predict the results of the treatment. Although the initial surgical techniques for correction of anterior mandibular open bite were reported as early as the late 1800s, widespread use of currently acceptable techniques began in the middle of the last century. Detailed surgical planning is essential for a successful outcome. The treatment involves an accurate treatment plan, correct type of instruments for a specific procedure, a thorough surgical routine, and adherence to the guidelines for each routine. Although similar orthognathic surgical techniques are used, there are multiple important differences related to each osteotomy. It is essential for the surgeon to understand these differences in order to provide an effective and safe surgical care for the patient with facial anomalies. Choosing an optimal method of osteotomy depends on many factors, including the indication for treatment, the goal of therapy, patient profile, underlying medical conditions, and the magnitude of surgical movement. The major objective of this chapter is to provide practical guidelines and principles of osteotomies and commonly used techniques. These guidelines are based on a review of the current literature and the author's personal experience. The chapter focuses on the history of orthognathic surgery, anatomical considerations, indications for different osteotomies, and the surgical technique for each osteotomy. Techniques such as the Le Fort I, II, III osteotomies, segmental osteotomies of the maxilla, bilateral sagittal split osteotomy (BSSO), bilateral vertical osteotomy (BVO) genioplasty, segmental osteotomy of the mandible, and the chin wing osteotomy are described.

Cleft Lip and Palate: Diagnosis and Management is an unparalleled review of treatment concepts in all areas of cleft involvement presented by an international team of experienced clinicians. A unique feature of the book is that it largely consists of longitudinal facial and palatal growth studies of dental casts, photographs, panorex, and cephalographs from birth to adolescence. Throughout the discussion of growth and treatment concepts, the importance of differential diagnosis in treatment planning is underscored. The underlying argument is that all the treatment goals – good speech, facial aesthetics, dental occlusion, and psychological development – may be realized without the need to sacrifice one for another. This updated third edition includes

new chapters on further successful physiological treatment protocols, strategies for coping with psychological effects, the excellent clinical work being undertaken in Asia, future multicenter palatal growth studies, and other topics.

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