

Ao Principles Of Fracture Management Second Expanded Edition Free

This 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 (AOMSI) 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. ; Open access Unique presentation with contents divided into color-coded core competency gradations Covers all aspects of oral and maxillofacial surgery Supplemented with videos of all commonly carried out procedures as operative video Every chapter or topic concludes with "future perspective" and addresses cutting edge advances in each area Every topic has a pull out box that provides the most relevant systematic reviews/ key articles to every topic.

EDITOR-IN-CHIEF: Clifford J. Rosen, M.D., Maine Medical Center Research Institute, Scarborough, Maine SENIOR ASSOCIATE EDITORS: Juliet E. Compston, M.D., FRCP, University of Cambridge School of Clinical Medicine, Cambridge, United Kingdom Jane B. Lian, Ph.D., University of Massachusetts Medical School, Worcester, Massachusetts This comprehensive yet concise handbook is an indispensable reference for the many clinicians who see patients with disorders of bone formation, metabolic bone diseases, or disorders of stone formation. It is also a crucial tool for researchers, students, and all other professionals working in the bone field. In a format designed for quick reference, it provides complete information on the symptoms, pathophysiology, diagnosis, and treatment of all common and rare bone and mineral disorders. New in this edition: detailed coverage of osteonecrosis of the jaw, more in-depth coverage of cancer and bone including new approaches to pathogenesis, diagnosis, and treatment; new approaches to anabolic therapy of osteoporosis; the latest research on Vitamin D; expanded coverage of international topics; more on the genetics of bone mass; and newer imaging techniques for the skeleton. In addition, this edition features a free, online-only appendix of medicines used to treat bone disorders and their availability around the world.

The second English-language edition of the Small Fragment Set Manual was enthusiastically received and quickly went into a second printing. In preparing a third edition, we found it necessary to revise the text extensively and partly restructure it. The reasons for this are numerous. Experience of recent years has brought technical refinements in the operative treatment of many types of small fracture. Many of these changes stem from the small-fragment-set training programs conducted in Switzerland since 1980, and also from courses and symposia that have been held in other European countries and the United States. These events were occasions for a fruitful exchange of experience with surgeons who were critical of our methods. As a result of this exchange, we perceived a need both to revise our indications and to give greater attention to alternative techniques. We also felt it necessary to respond to criticisms of the first two editions concerning the catalog-like instrument lists and illustrations, and the attention given to fundamental techniques. Many surgeons who work or would like to work with small implants, especially those practicing abroad, are inexperienced in operations on the larger bones. It is imperative that these colleagues be given a basic introduction to the "biomechanical thinking" of the Swiss Association for the Study of Internal Fixation (ASIF).

AO Principles of Fracture Management Vol. 1: Principles, Vol. 2: Specific fractures Thieme

Rockwood and Green's Fractures in Adults

Manual of Soft-tissue Management in Orthopaedic Trauma

Vol. 1: Principles, Vol. 2: Specific fractures

Equine Fracture Repair

Learning From Failures in Orthopedic Trauma

Nonoperative Treatment and Perioperative Protection

This book has become necessary as a consequence of the rapid expansion of the surgical procedures and implants available for spinal surgery within the "AO Group". We have not attempted to write an in-depth book on spinal surgery, but one which will help the surgeon in the use of AO concepts and implants. We consider the practical courses held all over the world essential for the teaching of sound techniques so that technical complications and poor results can be avoided for both the surgeon and, in particular the patient. This book is a practical manual and an outline of what is taught in the courses. It is intended to help the young spinal surgeon to understand the correct use of AO implants. The indications given will aid the correct use of each procedure. . It must be strongly emphasized that surgery of the spine is technically demanding. The techniques described in this book should only be undertaken by surgeons who are trained and experienced in spinal surgery. Certain techniques, in particular pedicle screw fixation and cages, have not yet been fully approved by the FDA in the United States. However, throughout the rest of the world, the use of pedicle screws has become a standard technique for the spine surgeon, since it has been shown to improve fixation techniques and allow segmental correction of the spine. The use of cages has become more and more popular, specifically as a tool of minimally invasive spinal surgery.

Hear the authors discuss AO Principles of Fracture Management. Volume 1 focuses on the basic knowledge and the principles of fracture management, covering biomechanics, tools for preoperative planning, soft-tissue management, different methods of reduction and fixation, and implants. This volume also addresses new issues pertaining to internal/external fixation, damage-control surgery, minimally invasive surgery, and biotechnology. Volume 2 presents the management of specific

fractures in different anatomic areas. A separate chapter is devoted to each area to discuss the assessment of injuries, surgical anatomy, preoperative planning, surgical treatment, and postoperative care. The authors also highlight common pitfalls and complications. There are now more than 2,000 high-quality illustrations that vividly demonstrate key concepts of management. The accompanying DVD provides the entire text from the books and instructional AO teaching videos that demonstrate techniques and reinforce important teaching points. Electronic bookmarks and keyword search functions simplify navigation of the DVD. Links to abstracts and references on the Internet enable the user to fully utilize the wealth of information provided in this multimedia resource. AO Principles of Fracture Management is an essential resource for orthopaedists, trauma surgeons, and residents in these specialties.

The atlas format of Craniomaxillofacial Fractures clearly shows how to manage fractures to the head, face and jaw bones with rigid internal fixation. All fractures, from the simple to the most complex, are covered. The book is ideal for physicians from various specialties who diagnose, treat or refer craniomaxillofacial trauma. It describes for the first time the classical fracture types most commonly encountered and their representations by standard radiographs and diagrams. The AO system is prominently featured throughout the atlas.

Timely, accurate, and up-to-date text clearly explaining the fundamentals of fracture healing and bone fixation in a format that is concise, well organized and easy to follow. It is extremely well illustrated and addresses the biomechanical principles and usage techniques of the wide range of modern orthopaedic trauma implants in use today. . An in-depth resource to the amply stocked toolbox of today's fracture surgeon . A compendium of fracture fixation written by an experienced surgeon for fellows, residents and masters . A detailed overview of biomechanics, biology, implants and materials relevant to fracture care . Elegantly illustrated and lucidly explained presentations of today's fracture fixation devices . The designs, the application techniques in various anatomical regions, mechanical effects, hazards and contraindications are described along elucidative graphics . Not so commonly found details of intramedullary nail and use of Poller screws in its insertion, hazards of use of traction table, methods to perfect insertion of intramedullary hip fixation device, minute details of cables, pins and wires, several configurations of external fixator, new concept of reverse dynamization, a brief exposure of spinal instrumentation and several techniques of minimal invasive osteosynthesis are a few of its features

**Elements of Fracture Fixation
Postgraduate Orthopaedics**

**AO Principles of Fracture Management in the Dog and Cat
Principles. Vol. 1**

A Revolution in Fracture Care, 1950s-1990s

A fracture first and foremost is a soft-tissue injury, the best possible outcome of which strongly depends on correct decision making at the right time and state-of-the-art soft tissue handling. In order for orthopaedic and trauma surgeons to address these issues comprehensively without being plastic surgeons themselves, a certain level of interdisciplinary understanding has to be acquired. This textbook provides that knowledge applicable in everyday clinical situations, focusing on interdisciplinary treatment strategies and basic soft-tissue techniques. High-quality videos and 20 carefully selected case studies further illustrate this comprehensive approach and the complex process of decision making. Surgeons will, among other things, be able to expand their knowledge regarding: assessment of soft-tissue injuries correct choice and handling of instruments emergency department management adequate debridement and wound conditioning options and choice of wound closure and coverage
Weitere Angaben Inhalt: The CD-ROM contains a collection of illustrations and photographs published in the "AO Principles of Fracture Management". More than 1000 figures are organized in an image database including figure captions. Image resolution: 72 dpi for screen presentation / 300 dpi for color reproduction in print. This practical handbook covers the diagnosis and management of fractures in adults and children. Each chapter is organized as follows: Epidemiology, Anatomy, Mechanism of Injury, Clinical Evaluation, Radiologic Evaluation, Classification, treatment, Complications. Section 1 also covers Multiple Trauma, Gunshot Wounds, pathologic and periprosthetic fractures, and orthopedic analgesia. The new edition will be in full color and will include a new chapter on the basic science of fracture healing, as well as a new section on intraoperative Imaging. Features: Bulleted format allows quick access and easy reading Consistent format for targeted reading Covers adult and pediatric fractures Covers fractures in all anatomic areas Heavily illustrated Portable In Full color New chapter: Basic Science of Fracture Healing New Section: Intraoperative Imaging
This is the first compendium of principles of using locking compression plates in fracture management. With more than 100 cases from world-leading surgeons, including the inventors of the technique, this book will guide orthopedic trauma surgeons, general orthopedists, and residents through applications of the internal fixator technique. Intraoperative photos and illustrations and an interactive DVD containing additional cases, animations, and videos makes this AO Manual an indispensable reference.

Oral and Maxillofacial Surgery for the Clinician

ASBMR Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism

Principles of Fracture Management

The Rationale of Operative Fracture Care

Fractures of the Pelvis and Acetabulum: Pelvis

Hand and Wrist

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.

With DVD featuring narrated intraoperative videos and animations In the last quarter century, no one has played a stronger role in hand and wrist fracture management, especially using AO principles, than Jesse Jupiter. This long awaited book is the culmination of his work, along with other pioneers in the field, and presents all key developments in biomechanics, design, materials, and state-of-the-art AO techniques. Organized in a case-based format, the book focuses on fractures of the hand, scaphoid, and distal radius (including soft-tissue injuries). For each case, you'll review patient history, planning, approach, reduction, fixation, and rehabilitation, along with hundreds of full-color illustrations, intraoperative pictures, and x-rays. An accompanying DVD-ROM demonstrates step-by-step intraoperative procedures for easy visual comprehension. Along with detailed surgical techniques, you'll also find a wealth of guidelines on indications, choice of surgical approach, preoperative planning, and postoperative management. This is a book no orthopedic surgeon should be without.

This book has been written specifically for candidates sitting the oral part of the FRCS (Tr & Orth) examination. It presents a selection of questions arising from common clinical scenarios along with detailed model answers. The emphasis is on current concepts, evidence-based medicine and major exam topics. Edited by the team behind the successful Candidate's Guide to the FRCS (Tr & Orth) Examination, the book is structured according to the four major sections of the examination; adult elective orthopaedics, trauma, children's/hands and upper limb and applied basic science. An introductory section gives general exam guidance and end section covers common diagrams that you may be asked to draw out. Each chapter is written by a recent (successful) examination candidate and the style of each reflects the author's experience and their opinions on the best tactics for first-time success. If you are facing the FRCS (Tr & Orth) you need this book.

This book presents a guide to elastic stable intramedullary nailing (ESIN) in children. This surgical approach to managing pediatric fractures is explained in more than 30 illustrated cases with detailed step-by-step descriptions. An accompanying DVD contains the AO Teaching Video Special Edition - ESIN and animations. Pediatric, orthopedic, and trauma surgeons performing pediatric fracture treatments will appreciate the wealth of information contained in this multimedia reference.

Fractures of the Acetabulum

Internal Fixators

Orthopedic Trauma Care

Casts, Splints, and Support Bandages

CD-ROMs

Medical and Surgical Management

Offers a long-awaited Second Edition of this comprehensive, state-of-the-art reference for fracture repair in horses The Second Edition of Equine Fracture Repair has been thoroughly revised and updated to present the most current information on fracture repair in horses. Written to be accessible, the text is logically arranged, presenting the most authoritative information on equine fracture repair with explanations of the expected outcomes. The book provides valuable insight as to whether a fracture should be repaired, the degree of difficulty of the procedure, and a wealth of practical information on surgical techniques. This fully revised Second Edition offers a valuable tool for veterinarians making clinical decisions when faced with horse fractures, covering emergency care and splinting, the most current innovative techniques in equine fracture repair, and new implant systems. With contributions from leading experts in the field, the revised edition continues to be the essential reference to the subject. This essential resource: Offers a revised edition of the most comprehensive reference on the repair of fracture in horses, with complete information on patient assessment, emergency splinting and casting, and guidance in treatment choices Includes contributions from leading experts in the field Presents information organized by fracture type for quick access Provides valuable outcome assessment with helpful discussions of the degree of difficulty to aid in case management, incorporating information on the newest techniques and implant systems Concludes with extensive information on the identification and management of complications associated with fractures and repair methods This revised and updated edition of Equine Fracture Repair continues to provide a comprehensive resource for understanding the most effective and current techniques available for the treatment of fractures in horses.

Reflecting the recent dramatic advances in orthopedic trauma care and orthopedic implants, this highly practical surgical guide provides step-by-step descriptions of new, state-of-the-art techniques as well as in-depth information on classic, time-tested methods. Packed with hundreds of the high-quality, full-color illustrations for which AO books are known, the expert authors of this must-have text discuss operating room principles for different aspects of OR management for ORP (orthotic rehabilitation products) and AO principles of fracture management, and give advice on how to perform common procedures, with an

emphasis on the use of surgical instruments. This book features comprehensive discussion of relative stability, biological fixation, minimally invasive techniques, the correct use of locking head screws and the locking compression plate; concise chapters designed to aid ORP and junior residents as they assist during surgery; and full-color illustrations that complement thorough descriptions of each step of the procedures. AO Techniques and Principles for the Operating Room is an invaluable tool for operating room staff and all residents starting their careers in orthopedic trauma care.

This book charts the history of the worldwide introduction of an operative treatment method for broken bones, osteosynthesis, by a Swiss-based association, called AO. The success of the close cooperation between the AO's surgeons, scientists and manufacturers in establishing a complicated and risky technique as a standard treatment sheds light on the mechanisms of medical innovation at the crossroads of surgery, science and industry and the nature of modern medicine in general.

It has been a pleasure to comply with requests to publish this book in English. During the intervening years, there has been little to add to our views as to the best management of acetabular fractures, but an additional chapter has been incorporated comprising recent findings in our patients and slight changes in emphasis on the indications for operations. Additionally, having recognised that one of the greatest difficulties in this method of treatment lies in the pre-operative assessment of the standard radiographs, we have prepared a short series of radiographs which the reader may find advantageous for study. We are grateful to Mr. Reginald Eison who has translated and revised the French edition. Considerable alteration of the text and the general presentation was necessary in order to make the material palatable in English. Our thanks are due to our new publishers, Springer-Verlag, for their keen interest and skill. E. LETOURNEL R. JUDET Preface to the French Edition It is a long time since we first attempted surgical treatment of fractures of the acetabulum accompanied by displacement, with the aim of restoring perfect articulation. Such treatment demands an exact reconstitution of the anatomy of the acetabulum and pelvic bone. This volume comprises an account of our efforts to assess the place of open reduction and internal fixation of displaced fractures of the acetabulum. The principal aim is simple: the perfect restoration of the articular surface and the associated bony architecture.

AO Handbook: Orthopedic Trauma Care

Elastic Stable Intramedullary Nailing (ESIN) in Children

Osteoporotic Fracture Care

Pelvic Ring Fractures

Techniques and Principles for the Operating Room

Minimally Invasive Plate Osteosynthesis (MIPO)

Numerous advances in basic research, surgical techniques, practice, and patient care have revolutionized surgery over the last 60 years and made the field with its many subspecialties more diverse but also more complex. The surgical profession places high demands on surgeons who must often make the right split-second decisions. This can easily lead to misjudgments or mistakes. Learning From Failures in Orthopedic Trauma—Key Points for Success is the first book of its kind to give surgeons the opportunity to learn from failures without making them themselves. Based on the Spanish book Errores en la Osteosintesis by Rafael Orozco Delclós, this publication offers real case examples that have been collected over the past 25 years. It is an essential and valuable resource as it specifically examines the reasons and responses to surgical error in real cases from different anatomical regions of the body, thus helping surgeons avoid the most frequent errors in osteosynthesis. The collection of more than 70 cases will help surgeons recognize and avoid common failures, start reflecting in action, present failures as positive learning opportunities, and bring that knowledge into their daily practice. The book is divided into 9 sections that analyze different types of failures. Key features are: Analysis of failures to help surgeons avoid making mistakes that lead to those errors More than 20 detailed and illustrative case-based chapters that analyze failures and offer tips to successfully prevent those mistakes More than 1,100 x-rays, clinical images, and illustrations

This textbook offers a comprehensive view of all aspects of minimally invasive plate osteosynthesis (MIPO). The second expanded edition includes the expert knowledge of AO surgeons from all around the world. It not only provides basic concepts and the latest clinical and basic scientific research, but guides the interested surgeon through the crucial steps of MIPO application in the different anatomical regions. Enhanced by clear photographs, x-rays, MRIs, CT scans, and detailed illustrations, the book comprises two sections: Section 1, Principles, covers the principles of MIPO surgery as well as education in MIPO. Section 2, Cases, encompasses all anatomical regions. For each region there is a comprehensive introduction covering general aspects of MIPO techniques regarding indications, preoperative planning, and positioning, before indirect and direct reduction and fixation techniques are presented. Case examples then allow the reader to follow each procedure in a thorough, step-by-step manner. Additional chapters on pediatric and fragility fractures, special indications, and implant removal conclude this second section. The main concept behind the MIPO technique is to deal with soft tissue and bone in a way that does not add additional trauma to the fracture site. The bone must be accessed through soft-tissue windows away from the fracture site. Direct reduction maneuvers, if needed, should be executed to leave only small footprints at the fracture area and reduce disturbance of fracture healing.

Casts, Splints, and Support Bandages: Nonoperative Treatment and Perioperative Protection provides an extensive overview of the history, principles, methods, and techniques for applying a modern plaster or synthetic cast. The book comprises three sections: The Principles of Casting section outlines the basic principles of casting and splinting, the physical properties of cast materials, and socioeconomic

considerations The Guidelines section explores nonoperative treatment for fractures, ligament, nerve, and soft-tissue injuries, overload injuries, and infections, in the upper and lower extremities and the spine Finally, the Techniques section provides step-by-step descriptions on 55 individual cast, splint, orthosis, and bandaging techniques, presented in high quality online video, and as stills with explanatory captions. AOTrauma is proud to bring you this incredibly important and comprehensive text, which will be of interest to a wide range of medical professionals including trauma and orthopedic surgeons, specialist cast technicians, rural doctors, residents in training, and ORP. It is the ideal resource for any busy hospital or orthopedic/trauma practice.

Orthopedic Trauma Care is a valuable resource for optimizing the care of orthopedic trauma patients. The book begins by presenting classification, wound and fracture healing, principles of fracture treatment, and information on the care of polytrauma patients. It closes with details on specific injuries and common complications and syndromes secondary to traumatic injuries.

AO ASIF Principles in Spine Surgery

AO Image Collection

Technique Recommended by the AO-ASIF Group

Principles of Internal Fixation of the Craniomaxillofacial Skeleton

Internal Fixation of Small Fractures

AO Principles of Fracture Management

This exhaustive reference includes new chapters and pedagogical features, as well as—for the first time—content on managing fragility fractures. The fast, easy absorption of the material, this edition has been streamlined and now includes more tables, charts, and treatment algorithms. Experts in their field share their experiences and offer insights and guidance on the latest technical developments for common orthopedic fractures, including their preferred treatment options.

After the publication of the AO book Technique of Internal Fixation of Fractures (Miiller, Allgower and Willenegger, Springer-Verlag, 1965) decided after considerable discussion amongst themselves and other members of the Swiss AO that the next edition would appear in two volumes. The first volume was published (the English edition, Manual of Internal Fixation, appeared in 1970). This was a manual of surgical techniques, discussed implants and instruments and in which the problems of internal fixation were presented schematically without radiological illustrations. The second volume was to be a treatise on the biomechanical basis of internal fixation as elucidated by the work done in the laboratory for orthopedic surgery in Davos. The third volume was planned as the culminating effort based upon the first two volumes, treating the problems of surgery richly illustrated with clinical and radiological examples. It was also to discuss results of treatment, comparing the results obtained with other methods. The second and third volumes were never published. The second edition of the AO Manual appeared in 1977. It dealt with the problems discussed in the first edition, although it still lacked clinical examples and any discussion of indications for surgery. The third edition, it was translated into many languages and was well received. Finally, after 22 years, the much discussed and much needed third edition appeared.

The AO Principles of Fracture Management has served many generations of surgeons around the world as the source of knowledge and authority in the field of orthopedic trauma surgery. The fundamental principles of fracture surgery have not changed in 60 years, but the biological knowledge, as well as technological advancements have extended new possibilities in surgical treatment and offered surgeons the opportunity for new ways of applying the AO principles. The new third edition of this book has been expanded to include new knowledge and explore state-of-the-art technology. It also addresses pressing challenges that face orthopedic surgeons today, such as the exponential rise in fragility fractures due to demographic changes and an aging population. The book aims to help surgeons to successfully rise to such challenges. Key features include input from more than 50 highly renowned surgeons, scientists, and medical professionals More than 2,100 high-quality illustrations and images, access to over 250 video presentations New chapters on periprosthetic fractures, knee dislocations, fragility fractures and orthogeriatric fractures, additional information on operating room setup and planning Immediate access to AO's continually evolving range of online educational content, QR codes for mobile devices including animations, webcasts, webinars, lectures, AO Surgery Reference, AOSTART and more AOTrauma is pleased to bring you a new expanded, comprehensive, and updated edition of the AO Principles of Fracture Management for residents, fellows, course participants, faculty, Trauma and Orthopedic surgeons, and operating room personnel.

With an increase in the longevity of the global population, care of the functional, cognitive, and physical health of older adults is essential. The demographic shift toward a growing aging population and an increase in osteoporotic fractures that has occurred over the last few decades in Western countries, has clearly shown the need for a comprehensive approach to treating fragility fractures by surgeons, geriatricians, and geriatric nurses. Osteoporotic Fracture Care: Medical and Surgical Management is the first book of its kind to offer a well-rounded and comprehensive approach to fragility fractures and orthogeriatric care designed to help new and experienced surgeons, geriatricians, physicians, and care personnel work together and develop interprofessional and interdisciplinary systems so as to treat patients more effectively. The book contains 44 chapters divided into three sections: "Principles," "Improving system of care," and the case-based part "Decision making and special considerations in surgery." The book's key features are: In-depth insight into the needs of older adults and how to best improve patient care, patient outcome, and reduce costs. Twenty detailed and illustrative case-based chapters giving the reader a wide array of options to improve the patient care and outcomes. High-quality x-rays, clinical images, and illustrations. Print book comes with bundled ebook.

Principles of Internal Fixation Using the AO/ASIF Technique

specific fractures (Includes DVD-ROM).

Viva Guide for the FRCS (Tr & Orth) Examination

The Dynamic Compression Plate DCP

DVD-ROM.

Handbook of Fractures

This new AO text is a step-by-step manual for treating fractures in the mandible, maxilla, spine, scapula, pelvis, humerus, radius, ulna, femur, patella, tibia and fibula, carpus, tarsus, metacarpal and metatarsal bones, and digits. Engaging and up-to-date, this book covers current concepts of AO teaching with a particular focus on the biology of fracture healing, this book is designed to guide the surgeon through all the stages of fracture management, from preoperative evaluation and fracture planning, to anesthesia and pain management protocols, to fracture reduction techniques and surgical procedures. The authors also discuss considerations for rehabilitation. This authoritative resource comes with a DVD-ROM containing the entire book in digital form for easy search and convenient text-to-video launch of 64 AO teaching videos and 12 animations that demonstrate key surgical techniques. This text is a must for all practicing veterinary orthopedic surgeons.

During the past 30 years, the Study Group for the Problems of Osteosynthesis (AO) has made decisive contributions to the development of osteosynthesis as a surgical method. Through close cooperation among specialists in the fields of orthopedic and general surgery, basic research, metallurgy, and technical engineering, with consistently thorough follow

up, it was possible to establish a solid scientific background for osteosynthesis and to standardize this operative method, not only for the more obvious applications in fracture treatment, but also in selective orthopedics where hardly any problems relating to bone, such as those with osteotomies can be solved without surgical stabilization. Besides the objective aim, the AO was additionally stimulated by a spirit of open-minded friendship; each member of the group was recruited according to his professional background and position, his skills, and his talent for improvisation. Against this backdrop without even mentioning the schooling program well known throughout the world I should like to add some personal and general comments. This book is written for clinicians, instructing them how to perform osteosynthesis with special reference to plating in all its varieties and in strict accordance with the biomechanical and biological aspects and facts. From this point of view, the chapter on preoperative planning merits particular emphasis. Not only is it conducive to optimal surgery, it will also contribute to self-education and may found a school. The standard reference book in operative fracture care. For over forty years, the principles regarding fracture management have been taught by AO, and these textbooks are a carefully edited version of the knowledge with contributing authors from around the world providing guidance relating to the principles of fracture management. Please note that the German edition of this title will publish end of 2007.

This book provides in-depth coverage of all aspects of pelvic ring fractures and their management. The opening chapters supply essential information on surgical anatomy, biomechanics, classification, clinical evaluation, radiological diagnostics, and emergency and acute management. The various operative techniques, including navigation techniques, that have been established and standardized over the past two decades are then presented in a step-by-step approach. Readers will find guidance on surgical indications, choice of approaches, reduction and fixation strategies, complication management, and optimization of long-term results. Specific treatment concepts are described for age-specific fractures, including pediatric and geriatric injuries, and secondary reconstructions. Pelvic ring fractures represent challenging injuries, especially when they present with concomitant hemodynamic instability. This book will help trauma and orthopaedic surgeons at all levels of experience to achieve the primary treatment aim of anatomic restoration of the bony pelvis to preserve biomechanical stability and avoid malunion with resulting clinical impairments.

Concepts and Cases Using LCP and LISS

AO Principles of Fracture Management, Books and DVD

Specific fractures

Craniofacial Fractures

Planning and Reduction Technique in Fracture Surgery

AO principles of fracture management. Vol 2