Müller Allgöwer Schneider Willenegger

Manual of a Internal Fixat

M. E. Müller M. Allgöwer R. Schneider H. Willenegger

# Manual of Internal Fixation

Techniques Recommended by the AO-ASIF Group

Third Edition, Expanded and Completely Revised





Springer-Verlag

**Vo Van Toi, Tran Ha Lien Phuong** 

Manual of INTERNAL FIXATION Maurice Edmond Müller, S.M. Perren, Martin Allgöwer, 1991 The Manual of INTERNAL FIXATION is well known internationally as a standard work for every specialist dealing with osteosynthesis Due to the many changes that have taken place an international faculty of orthopaedic surgeons and traumatologists completely revised and expanded the manual In its third edition the manual reflects the state of the art and is the necessary reference Manual of Internal Fixation .1992 for every AO specialist Manual of Internal Fixation Maurice Edmond Müller, Martin Manual of INTERNAL FIXATION M.E. Müller, M. Allgöwer, R. Schneider, H. Willenegger, 2014-10-03 In the Allgöwer, 1991 early 1950s the pioneering work of Robert Danis on operative treatment of fractures was in danger of falling into oblivion Maurice E Miller impressed and intrigued by his contacts with Danis first critically applied internal fixation and immediate mobilization to some 80 patients and found the basic concept confirmed but in need of further develop ment with regard to technology clinical application and scientific analysis In 1958 he assembled a group of friends general and orthopedic surgeons willing to invest time and effort in helping to create the necessary armamentarium and to form a study group for clinical trials This group was set up in the same year under the name Arbeitsgemein schaft fUr Osteosynthesefragen AO later on to be known in English speaking countries as the Association for the Study of Internal Fixation ASIF The first report on operative treatment of fractures by Miller Allgower and Willeneg ger published in 1963 stressed the advantages of early open reduction and internal fixa tion This book first published in German amusingly lost an important part when trans lated into English At the suggestion of worried American and English partners a picture series showing the healing pattern of 188 tibial fractures operated on in Chur between December 20 1961 and April 26 1962 was left out Manual of Internal Fixation Maurice E. Müller, Martin Allgöwer, Robert Schneider, Hans Willenegger, 2012-12-06 The first part of this manual deals with the experimental and scientific basis and the principles of the AOjASIF method of stable internal fixation It deals with the function and main use of the different AO implants the use of the different AO instruments and with the essentials of the operative technique and of postoperative care It also discusses the handling of the most important postoperative complications The second part deals at length with the AO recommendations for the operative treatment of the most common closed fractures in the adult This has been organized in anatomical sequence The discussion of the closed fractures is followed by a discus sion of open fractures in the adult then by fractures in children and finally by pathological fractures The third part presents in a condensed fashion the application of stable internal fixation to reconstructive bone surgery 1 GENERAL CONSIDERATIONS 1 Aims and Fundamental Principles of the AO Method The Chief Aim of Fracture Treatment is the Full Recovery of the Injured Limb In every fracture there is a combination of damage to both the soft tissues and to bone Immediately after the fracture and during the phase of repair we see certain local circulatory disturbances certain manifestations of local inflammation as well as pain and reflex splinting These three factors that is circulatory disturbances

inflammation and pain when combined with the defunctioning of bone joints and muscle result in the so called jl acture Manual of Internal Fixation M. E. Müller, M. Allgöwer, H. Willenegger, 2012-02-29 The German edition of our book disease entitled Operative Frakturen behandlung by M E M LLER M ALLG WER and H WILLENEGGER Springer Berlin G ttingen Heidelberg 1963 has been out of print now for more than three years We are planning a new edition which will deal with the collective experience of 14 000 new cases all treated by internal fixation and will include the newest developments in the field of internal fixation However it will be some time before this new edition can be published Increasing demands for a description of the AO technique of internal fixation has stimulated us to publish this manual In it we shall describe in a comprehensive but somewhat apodictic mann er the principles and techniques of the AO methods of fracture treatment and reconstructive surgery which in our hands have stood the test of time The book is written in a somewhat abbreviated style It cor responds in subject matter to the teaching given at the AO courses in Davos but deals with each subject more thoroughly We have dispensed with pictures of the instruments as these may be found in the Synthes Catalogue This manual should be regarded as the product of collective experience containing new thoughts and new discoveries from basic research In considering the risks of mistakes and dangers we can only reiterate what we have already stated in Technique of Internal Fixation of Fractures Open treatment of fractures is a valuable but difficult method which involves much responsibility

Manual of Internal Fixation W Bandi, A Boitzy, R Ganz, 1979-05-01 Manual of Internal Fixation Maurice Edmond Müller, Martin Allgöwer, Hans Willenegger, 1970 **Special Techniques in Internal Fixation** C. F. Brunner, B. G. Weber, 2013-03-14 and refinement that exists within the necessarily strict rules of the internal fixation method. In this way we seek to contribute to as well as to stimulate the search for rational solutions to surgical problems It is assumed throughout that the reader is fa miliar with the technical fundamentals of internal fixation and so these details are omitted Instead special indications and technical refinements are presented on the basis of case examples Because an endless variety of situations can arise in orthopedic surgery a circumstance that is attracting more and more surgeons to the field we have taken care that our examples can readily be applied to novel situations. We now credit in alphabetic order those who contributed most to the techniques presented R BLATTER A BOITZY C BRUNNER O CECH A DEBRUNNER F MAGERL G SEGM LLER G ST HMER and B G WEBER We thus express thanks to those colleagues in our clinic who agreed to having their ideas published But we are also grateful to our illustrators H and K SCHUMACHER our photographer M SCHAFFNER and our chief secretary U OETLIKER who contributed so much to the preparation of the manuscript Finally we thank Springer Verlag for their patience with us and especially for their efficient work in bringing the book to press St GaU Fall 1981 CH F BRUNNER B G WEBER Contents Lag Screws Manual of Internal Fixation M. Allgöver, M.E. Müller, H. Willenegger, 1970 Manual of Internal Fixation: Technique Recommended by the Ao-group, Swiss Association for

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The Elements of Fracture Fixation Thakur, 2010-11-05 An excellent manual covering the biomedical aspects of Fracture Fixations in a very concise and lucid manner The techniques and implants involved in the management of fracture have been discussed in detail The simple sketches and descriptions will help the students and trainee to easily understand the basic and scientific rationals of modern operative fracture treatment About the Author AJ Thakur MS Ortho FCPS D Ortho Prof of Orthopaedic Surgery G S Medical College Parel Mumbai India

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5th International Conference on Biomedical Engineering in Vietnam Vo Van Toi,Tran Ha Lien

Phuong,2014-11-18 This volume presents the proceedings of the Fifth International Conference on the Development of Biomedical Engineering in Vietnam which was held from June 16 18 2014 in Ho Chi Minh City The volume reflects the progress of Biomedical Engineering and discusses problems and solutions I aims identifying new challenges and shaping future directions for research in biomedical engineering fields including medical instrumentation bioinformatics biomechanics medical imaging drug delivery therapy regenerative medicine and entrepreneurship in medical devices

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