Fractures of the Pelvis and Acetabulum
Principles and Methods of Management—Fourth Edition
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The fourth edition of this well-known and highly regarded book by Marvin Tile and colleagues is now a comprehensive two-volume set. Based on the AO Principles of Operative Management of Fractures as applied to the pelvis and acetabulum, this publication covers:

- Acute management of pelvic and acetabular fracture patients
- Definitive treatment of both fractures by operative approaches for reduction and internal fixation—from conventional methods to new percutaneous techniques
- Extensive analysis of the outcomes of pelvic and acetabular fractures

To explore these areas fully, this publication features:

- Collaboration of more than 80 international expert surgeons
- Inclusion of 2,234 images and illustrations
- In-depth video presentations of surgical approaches and reduction techniques performed by world-renowned experts

Emphasizing decision making based on assessment of the personality of the injury through the patient’s history, physical examination, and imaging, this book is the ideal resource for this ever important field of practice.
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Volume 1
Pelvis
Fractures of the Pelvis and Acetabulum

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Pelvis

857 illustrations/images
Preface

I began writing the first edition of this book, Fractures of the Pelvis and Acetabulum in 1982 and it was published in 1984, 30 short years ago. That first edition was a labor of love; an attempt to summarize the pioneering work of my mentor, Dr George Pennal on pelvic ring disruption and the work of Robert Judet and Emile Letournel on acetabular trauma. Along with the summary of the pioneering work in this field, new thoughts on classification, biomechanics, and treatment of these injuries was formulated. This was the adolescent phase of knowledge in this important and growing field of pelvic trauma.

By the time of the second edition in 1995, this field had come of age, and by the third edition in 2003, it had become a mature subspecialty of orthopaedic traumatology. This new fourth edition was deemed necessary because of significant advances in diagnosis and treatment, primarily using new technology.

This new fourth edition is published by AOTrauma. Almost all the chapters have been extensively rewritten. All the chapter authors, including the new ones, are internationally renowned and all have made substantial contributions to our pelvic knowledge base. The section on minimally invasive techniques using image guidance has also been expanded.

The drawings have been skillfully redone, and many new cases added. Also included are new in-depth videos of surgical approaches and reduction and fixation techniques by world renowned experts.

The chapters on outcomes of care have been rewritten and include an extensive bibliography.

The editors believed that with all the updated materials, the expanded edition should be divided into two volumes. Dr Mark Vrahas has joined with Dr James Kellam as coeditors of volume 1, Pelvis, and Dr David Helfet has remained as editor of volume 2, Acetabulum.

The first edition published 30 years ago was a small, single volume, largely single author, deeply personal book. Although the book has evolved in this fourth edition to a two-volume multiauthored text, with new videos, new illustrations, and extensive rewriting of the text, I am proud, along with my coeditors, that the basic philosophy of care of the severely injured patient has remained; care based on a careful assessment of the personality of the injury including both patient and fracture factors. Although our technology is rapidly changing, this philosophy will remain as the hallmark of exemplary patient care.

Marvin Tile, CM, MD, BSc(Med), FRCS(C)
Acknowledgments

Marvin Tile, MD

To my wife and companion, Esther, for her continuing love and support during our 60 years of marriage together.

To my growing family, Gary, Rosemary, Katy and her partner David Albert; Sari and her partner, Jacob Diskin, and Noah Tile; Stephen and his partner Helene, David, Rachel, and Abby Tile; Steve, Deborah, Ian and his wife Samantha, and Annie Cass; Andrew Tile and his partner, Candy RAMBERANSINGH; Caya and Keeley Tile for their love and devotion and for bringing balance and joy to my life.

To my associate, Shirley Fitzgerald, whom I have known and worked with for 50 years, for her loyalty and friendship, and for helping so much with the first three editions of this book.

In addition to those acknowledged in the first and previous editions of this book, I am indebted to the following individuals for their support, dedication and hard work in bringing this fourth edition to completion:

I welcome Mark Vrahas as my coeditor along with David Helfet and Jim Kellam, and thank them for their role as section editors and in the reorganization of this edition into two volumes:

Volume 1
Pelvis—James Kellam and Mark Vrahas

Volume 2
Acetabulum—David Helfet

To Jim Kellam for leading the production of the excellent videos which are an essential part of this publication.

To all the authors who contributed to previous editions as well as this one, and all the new authors for their contributions to this fourth edition, which required much work in rewriting the chapters.

To the staff of the AO Education Institute, led by Urs Rüetschi for taking on the task of publishing the fourth edition of this book.

To Vidula H Bhoyroo, who took over as managing editor of this project, and with her very hard work, personality and intellect, and with the dedicated help of Jessada MAHATHANANCHAI, Amber Parkinson, Jecca REICHMUTH, and Roger Kistler brought this new edition to fruition. I and my coeditors are eternally grateful.

James F Kellam, MD

To my family, Lynda, Lindsay, Patrick as well as Stephanie and her husband Chris and our grandson Hudson for their support and understanding and adding enjoyment to my life.

To my patients who without their trust would never have allowed me to achieve the expertise and skill to be a compassionate and knowledgeable physician and surgeon.

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David L Helfet, MD

To my wife, Molly, and children, Kelly and Arthur John (A.J.), for their continued love, support, and understanding.

Also to all those colleagues, fellows, and residents who have contributed to my learning and maturation as a pelvic and acetabular fracture surgeon.

Mark Vrahas, MD

For my parents, Mark and Ruthann, who nurtured my dreams; my wife Cynthia who inspires me; and my sons Mark, Alexander, and Remy who fill my life with pride and joy.