

David Ip

**Orthopedic Traumatology – A Resident's Guide**

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# Orthopedic Traumatology – A Resident's Guide

With 198 Figures

 Springer

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## Dedication

*This book is dedicated to:*

- *My loving wife* Esther, without whose support this book would not have been a reality
- *All my mentors*, including Professor John Leong, Professor Luk, and Drs F.K. Ip and S.H. Yeung
- *All my teachers* in orthopaedics, including Professors John Wedge, Charles Court-Brown, Jesse Jupiter, Cecil Rorabeck and William Harris

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## About the Author

Dr. David Ip is a fellow of various professional organizations including the Royal College of Surgeons and the Hong Kong College of Orthopaedic Surgeons, a member of the American Academy of Orthopedic Surgeons, and the winner of multiple international awards including the World Lifetime Achievement Award, Man of the Year Award, and the 21st Century Award for Achievement. His biography has been included in works like Marquis Who's Who in Science and Engineering, Marquis Who's Who in the World, International Who's Who Historical Society, and the Cambridge Blue Book, among many others.

## Foreword

Doctor Ip is to be congratulated for writing such a useful book on orthopaedic trauma. This is a rapidly expanding field and many disciplines now treat fractures, dislocations and soft tissue injuries and their sequelae. There is a need for a book to help educate trainees in orthopaedic surgery, nursing, physiotherapy and rehabilitation medicine as well as medical students, and this book fulfils that need. It is succinct, but contains a great deal of information important to these and other paramedical disciplines.

There are 12 chapters dealing with all aspects of orthopaedic trauma and its management. It is to Doctor Ip's credit that he has not forgotten the future of orthopaedic trauma, and there are chapters on minimally invasive and computer-aided surgery and fall prevention in the elderly. In addition the book has chapters on high energy trauma, bone healing, the principles of fracture management and the management of different fractures.

The format is user-friendly and it will appeal to all paramedical disciplines, senior medical students and surgeons-in-training. I have no doubt that they will find it useful and I hope they enjoy reading it.

*Professor Charles Court-Brown, MD, FRCS Ed (Orth)*  
Consultant Orthopaedic Trauma Surgeon  
Edinburgh Orthopaedic Trauma Unit  
Professor of Orthopaedic Trauma  
University of Edinburgh

## Foreword

David Ip has written a remarkable book for orthopaedic residents that reduces the complexity of modern traumatology to basic concepts, principles and guidelines, providing the learner with a practical approach to trauma management. Each of the twelve chapters easily stands alone and may be consumed in a single study session. The organization of this concise treatise is consistent from chapter to chapter and has numerous “tips” and “pearls”, building on a sound conceptual framework.

This is not intended to be a technical manual or comprehensive textbook – the resident already has many of these to choose from – but rather a compendium of essential information to be enhanced by clinical experience and detailed literature review. Roughly 200 illustrations nicely complement the text, providing excellent examples of both more common and less common serious injuries.

I believe this book meets the author’s very important objective of a reasonably brief, yet comprehensive, survey of trauma management that fulfils the resident’s need for core information. The chapters on normal and abnormal bone healing and on the principles of fracture fixation are particularly clear and informative.

My compliments to the author for writing a much-needed concise and excellent guide to trauma management.

*John H. Wedge, MD, FRCSC*  
Associate Vice-Provost  
Relations with Health Care Institutions  
University of Toronto  
Paediatric Orthopaedic Surgeon  
The Hospital For Sick Children

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## Preface

Like its popular companion volume, *Orthopaedic Principles – A Resident’s Guide*, which was well received by the medical community, *Orthopaedic Traumatology – A Resident’s Guide* was written to stimulate interest in modern orthopaedic traumatology, which is a very dynamic and rapidly changing field. This book aims at a very wide readership. From the resident preparing for professional examinations, to the physical and occupational therapists and nurses involved in the daily care of fracture patients, since fractures form the bulk of emergency orthopaedic admissions in many major hospitals. Also, surgeons requiring re-certification as well as surgeons in developing or under-developed countries will find the volume useful in their daily practice. Finally, this book is structured in such a way as to facilitate review of the subject matter before board exams and quickens the process of information retrieval of both classic and recent references. Last, but not least, I wish to express my heartfelt gratitude to Prof. Court-Brown and Prof. John Wedge for being so kind to write the forewords, and thanks are also due to the AO group for reproducing a few of the pictures of their new line of products. Happy reading!

David Ip  
Hong Kong, November 2005

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