
Textbook of Shoulder Surgery

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Editors

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 Springer

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Preface

Over the last 25 years, significant advances have been made in the understanding of the shoulder biomechanics and treatment of its pathologies. Arthroscopic techniques and instrumentation have enabled many conditions to be treated with low morbidity to the patient. There have been numerous advances in arthroplasty surgery since John Charnley developed the low-friction hip replacement. Improvements in trauma technologies mean patients can expect to return to near-normal function after complex injuries.

There are still many challenges to the modern shoulder surgeon. These include consolidating and comprehending the vast amounts of knowledge available, predicting the long-term outcomes of new technologies, and dealing with new complications (such as glenoid erosions and implant loosening after shoulder arthroplasty). Patients with shoulder problems understandably have higher expectations of returning to high-performance sports, older patients with complex medical co-morbidities demand effective pain relief and independent function, and children born with congenital abnormalities want near-normal shoulder development and function.

This textbook provides the most up-to-date information on shoulder surgery along with practical approaches for patient evaluation and treatment options. The book is divided into key parts, providing coverage on soft tissue disorders of the shoulder, arthritis of the shoulder, the paediatric shoulder and other miscellaneous topics relevant to treating this area. Its strong clinical focus will help practicing shoulder surgeons, residents and medical students to manage patients in a practical way, based on the most recent scientific evidence and the most effective surgical and non-surgical techniques. Thus, we hope it will become a valuable reference and resource for young doctors and students looking to increase their professional skills and knowledge when treating shoulder injuries and disorders in clinical practice.

Ian Trail is the senior upper limb surgeon at Wrightington Hospital. He has extensive experience of complex pathologies in the shoulder and is a leading authority on arthroplasty in the upper limb.

Lenard Funk is an experienced clinician, an expert in arthroscopic shoulder surgery and an authority on sports shoulder surgery in elite athletes. He is a highly regarded surgical trainer and educator for health-care professionals and patients.

Amar Rangan is a leading expert in shoulder conditions, particularly due to trauma. He is a key member on several national research councils and attracts many tertiary referrals for complex shoulder pathologies.

Matthew Nixon won the gold medal for the FRCS (Orth) exam and has since established himself as an authority on shoulder and upper limb pathologies in children. He runs a dedicated paediatric shoulder clinic dealing with congenital, neuromuscular, posttraumatic and tumour pathologies.

These editors, together, with carefully selected international experts aim to bring you a comprehensive review of what is known about shoulder pathologies, together with clinical pearls and operative techniques to help with their management.

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