

An increasingly elderly population, combined with the growth in proportion of obese population, will inevitably lead to a rise in the number of patients requiring total joint arthroplasty surgeries. By 2030, the number of total knee arthroplasty performed will increase five fold compared with 2005 figures.

The content of this book addresses two important topics in total knee arthroplasty. Firstly, reducing blood loss with tranexamic acid. Tranexamic acid is considered the holy grail for perioperative blood management in total knee arthroplasty. With topical application, its popularity among surgeons has been increasing rapidly. Although the ideal route of administration remains debatable, most will agree that topical application is effective yet easy to administer and safe. With its emergence, the need for and cost effectiveness of routine preoperative type and screen has also been called into question.

Secondly, patient reported outcome and patients' satisfaction. Patient reported outcome measure may be more important than physician derived outcome score and has been increasingly used in recent years. There are two aspects to consider when dealing with patients' satisfaction: determinants of satisfaction and components of satisfaction. Patients' satisfaction can be improved by modifying the elements from these two categories.

This book also covers other relevant clinical topics including the strengths of regional anaesthesia in total hip arthroplasty and geriatric care in elderly hip fracture patients, as well as translational topics such as genotyping for adolescent idiopathic scoliosis and 3D printing in orthopaedic surgery. While 3D printing continues to develop and innovate, its place in orthopaedic surgery remains to be seen. Nonetheless, this is one advancement with huge potential for personalized implants and customized jigs.

Professor Qing Jiang, Professor Freddie Fu and Professor Shiro Ikegawa are prominent, well respected figures in their respective field of practice. I congratulate the editors for bringing together the experts' opinions on various important, updated orthopaedic surgery topics in this book. I am confident the readers will find these experts' opinions insightful and perhaps practice changing.

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