



## Surgical Simulation

Edited by Prokar Dasgupta, Kamran Ahmed, Peter Jaye and Mohammed Shamim Khan

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18 b+w tables and figures

**Rights Held:** World

*This title is also available as an ebook*

### Description

**An overview of the current status of simulation models and training techniques in various surgical disciplines, and a helpful guide to the basics of surgical education.**

*'This is truly a most comprehensive and accessible publication on simulation in urology. While the title of the book is **Surgical Simulation** and consequently all aspects of surgical simulation are expertly discussed, care is taken to also point to the role of simulation techniques as a key tool in the development of non-technical proficiencies such as communication- and cognitive skills. [...] I would highly recommend this book as a most interesting publication for all colleagues working in urological care. I can assure you, you will not be disappointed.'* —Per-Anders Abrahamsson, 'BJUI International'

Now widely recognized as one of the most effective methods for training future surgeons, simulation has become an integral part of the multidimensional landscape that makes up a surgical education curriculum. This book provides an overview of the current status of simulation-based training in various surgical disciplines and explains the science of surgical education, from developing a simulation programme to properly assess surgeons-in-training, to transferring the skills acquired through simulation into real-life settings. As such, the book can be used as a guide for understanding the basics of surgical education.

**Readership:** This guide will be of interest to clinicians, allied healthcare staff, healthcare psychologists and engineers associated with the field of medical simulation.

### Contents

1. Surgical Simulation: An Overview; 2. Simulation in Historical Perspective: The History of Medical and Surgical Simulation; 3. The Role of Animal Models in Surgical Training and Assessment; 4. Full Procedural Surgical Simulation; 5. Developing Non-technical Skills; 6. Learning Curves for Simulators; 7. Developing a Simulation Programme; 8. Patient Safety and Simulation; 9. Psychometrics; 10. Future of Surgical Simulation; Author Details

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