

# Contents



List of contributors vii  
Preface ix  
Acknowledgements x

## Part 1 Overview and broad concepts 1

- 1 Simulation 2
- 2 What is simulation education 4
- 3 Fidelity 6
- 4 Research in healthcare simulation 8
- 5 The evidence base for simulation education 10

## Part 2 Simulation and education 13

- 6 Learning theories and simulation education: 1 14
- 7 Learning theories and simulation education: 2 16
- 8 Teaching with simulation 18
- 9 Embedding simulation in a programme 20
- 10 Developing scenarios 22
- 11 Lesson planning 24

## Part 3 Simulation in practice 27

- 12 The simulation centre 28
- 13 Technical skills simulators 30
- 14 Manikins 32
- 15 Audio and video recording 34
- 16 Learning technologies and simulation 36
- 17 Distributed simulation 38
- 18 Engagement and simulation science 40
- 19 In situ and mobile simulation 42
- 20 Human factors 44
- 21 Non-technical skills 46
- 22 Team working 48
- 23 Crisis management 50
- 24 Simulated and standardised patients 52

## Part 4 Assessment, feedback and remediation 55

- 25 Principles of assessment 56
- 26 Learner-centred assessment 58
- 27 Learning and assessing professionalism using simulation 60
- 28 The debrief 62



- 29 Recruitment and selection 64
- 30 Feedback 66
- 31 Ethics and simulation 68
- 32 Mentoring and supervision 70
- 33 Simulation and remediation 72



**Part 5**

**Developing your practice 75**

- 34 Developing your practice 76

*References* 78

*Index* 83