Contents

List of Contributors vii
Foreword xi

Part 1: The Role of Simulation
1 Setting the Scene for Simulation-Based Education 1
Debra Nestel, Kristen Moloney and Simon Hyde
2 The Where of Simulation Training 11
Al May
3 Interprofessional In Situ Simulation 16
Jonathan Hurst
4 Debriefing and the Debrief 22
Mark Murphy and Annemarie Brown
5 Fidelity in Obstetric Simulation 29
Shane O’Sullivan and Owen O’Sullivan

Part 2: The Impact of Human Factors in Clinical Practice
6 Introduction to Human Factors and Ergonomics in Obstetric Simulation 35
Mark Hellaby
7 Situational Awareness, Bias and Decision-Making Styles in Obstetric Simulation 37
Ian Parkinson and Andrew F. Smith
8 Team-Working, Communication and Use of Communication Aids and Checklists in an Emergency 45
Simon Mercer

Part 3: Clinical Scenarios
9 Introduction to the Scenarios 53
Kirsty MacLennan

Scenario Section 1: Obstetric
10 Uterine Inversion 57
Samantha Bonner
11 Shoulder Dystocia Following Forceps Delivery for Fetal Bradycardia 66
Samantha Cox and Samiksha Patel
12 Umbilical Cord Prolapse 73
Michelle MacKintosh
13 Minimising Decision to Delivery Interval (DDI) in a Category 1 Caesarean Section – Pre-Theatre Phase 79
Clif Shelton and Sophie Bishop

Scenario Section 2: Maternal Collapse
14 Amniotic Fluid Embolism 87
Kim Macleod and Yara Mohammed
15 Anaphylaxis in Labour 95
Andrew Parkes and Shuayb Elkhalifa
16 Acute Pulmonary Embolism in Pregnancy 104
Louise Simcox and David Simcox

Scenario Section 3: Hypertensive Disorders of Pregnancy
17 Eclampsia 113
Stephanie Worton, Emma Shawkat and Jenny Myers