

Contents

Contributors ix

Part 1 **Introduction to the science and theory of patient safety**

1. Introduction to patient safety	3
2. The culture of patient safety	13
3. Transparent leadership for safety	19
4. Person-centred safety	31
5. The economics of patient safety	43
6. Developing a safe clinical team	55
7. Communicating to be safe	61
8. Situation awareness and patient safety	69
9. Practical application of human factors and ergonomics to improve safety	77
10. Reliability in healthcare	87
11. Resilience theory, complexity science, and Safety-II	101

Part 2 **Practical application and methodologies of patient safety**

12. Measuring patient safety at a national, organization, and system level	113
13. Measuring patient safety on the front line	125
14. Practical approaches to safety improvement	139
15. Learning from success to become safer	151
16. Investigating and learning from adverse events	161
17. Open disclosure	177
18. Caring for the caregivers: The second victim	185

Part 3 **Translating theory into clinical practice**

201	19. Patient safety and information technology
213	20. Enabling medication safety
223	21. Safe prescribing in paediatrics
235	22. Prevention of healthcare-associated infections
251	23. Sepsis and antimicrobial stewardship
265	24. Preventing and limiting deterioration on the medical wards
277	25. Preventing and limiting diagnostic error
287	26. Safety in primary care and general practice
303	27. Safety in the emergency department
313	28. Safety in ambulatory care
319	29. Safety in the operating theatre
333	30. Safety in paediatrics and child health
345	31. Safety in maternity care
361	32. Safety issues in mental health
373	33. Patient safety in critical care
387	34. Safety in patients with frailty and complex long-term conditions
405	35. Safety in a multidisciplinary team
413	36. Safety in the laboratory
427	37. Patient safety in a pandemic
441	38. Safety improvement tools