

## **New To This Edition:**

- **New chapters**, including: *Paediatric patients; Child abuse and intimate partner violence; Geriatric patients; Tropical conditions; Mass casualty; Interpersonal communication and patient-focused care; Evidence-based practice in paramedicine; Pharmacokinetics and pharmacodynamics*
- **New case studies** on major incidents and major trauma
- **Focused 'Implications for' boxes specific to considerations** including geriatrics, cultural diversity, communication challenges
- **'Summary of therapeutic goals' included with each case study**
- Learning outcomes added to open each chapter
- Considered revision of pathophysiology across all chapters

## **Περιεχόμενα:**

### **Part 1: PARAMEDIC PRINCIPLES**

#### **SECTION 1: INTRODUCTION TO PARAMEDIC**

##### PRINCIPLES AND PRACTICE

##### 1. Introduction

#### **SECTION 2: FOUNDATION KNOWLEDGE**

##### 2. Perfusion

##### 3. The autonomic response

##### 4. The inflammatory response

##### 5. Pharmacokinetics & pharmacodynamics

#### **SECTION 3: FOUNDATION CONCEPTS**

##### 6. Evidence based practice in paramedicine

##### 7. The clinical reasoning process

#### **SECTION 4: COMMUNICATION AND NON-TECHNICAL SKILLS**

##### 8. Interpersonal communication & Patient focused care

#### **SECTION 5: THE AUSTRALIAN AND NEW ZEALAND HEALTHCARE SYSTEMS**

##### 9. The paramedic role in healthcare

##### 10. Characteristics of ambulance patients

## **SECTION 6: PATIENT AND PARAMEDIC SAFETY**

11. Patient safety and paramedicine
12. Paramedic health and wellbeing

## **SECTION 7: LEGAL, ETHICAL AND PROFESSIONAL CONSIDERATIONS**

13. Legal and ethical considerations in clinical decision making

## **PART 2: PARAMEDIC PRACTICE**

### **SECTION 8: THE PARAMEDIC CLINICAL APPROACH**

14. The structured clinical approach
15. The patient-centred interview

### **SECTION 9: THE PARAMEDIC APPROACH TO THE PATIENT WITH A RESPIRATORY CONDITION**

16. Airway obstruction
17. Asthma
18. Acute pulmonary oedema
19. Chronic obstructive pulmonary disease
20. Pneumothorax
21. Pulmonary embolism

### **SECTION 10: THE PARAMEDIC APPROACH TO THE PATIENT WITH A CARDIAC CONDITION**

21. Chest pain
22. Arrhythmias
23. Cardiac arrest

### **SECTION 11: THE PARAMEDIC APPROACH TO THE PATIENT WITH A MEDICAL CONDITION**

24. Hypoglycaemia & hyperglycaemia
25. Stroke
26. Overdose
27. Anaphylaxis
28. Seizures
29. Pain
30. Acute abdominal pain
31. Sepsis
32. Gastrointestinal and urinary tract bleeding

### **SECTION 12: THE PARAMEDIC APPROACH TO THE TRAUMA PATIENT**

33. Head injuries
34. Chest injuries
35. Musculoskeletal injuries
36. Traumatic spinal injuries

- 37. Burns
- 38. Mass casualty

**SECTION 13: THE PARAMEDIC APPROACH TO THE PATIENT WITH AN ENVIRONMENTAL CONDITIONS**

- 39. Hypothermia & hyperthermia
- 40. Decompression injuries
- 41. Envenomation
- 42. Spider Bites
- 43. Marine Envenoming
- 44. Tropical medicine

**SECTION 14: THE PARAMEDIC APPROACH TO COMPLEX CASES: SPECIFIC CHALLENGES TO PARAMEDIC REASONING AND MANAGEMENT**

- 45. The socially isolated patient
- 46. The dying patient
- 47. Older patients
- 48. Indigenous Australian patients
- 49. Maori patients
- 50. Family Violence

**SECTION 15: THE PARAMEDIC APPROACH TO THE PATIENT WITH A MENTAL HEALTH CONDITION**

- 51. Mental health conditions
- 52. De-escalation strategies

**SECTION 16: THE PARAMEDIC APPROACH TO OBSTETRIC, NEONATAL AND PAEDIATRIC PATIENTS**

- 53. Imminent birth
- 54. Neonatal resuscitation
- 55. Paediatric patients

Appendix 1: Medications commonly encountered in paramedic practice