

## PGCert

### **Module 1: Setting the Scene in Perioperative care**

- Chapter 1 Induction
- Chapter 2 The endemic burden of surgery
- Chapter 3 Patients and professionals
- Chapter 4 Risk assessment
- Chapter 5 Cardiopulmonary exercise training
- Chapter 6 Shared decision making 1
- Chapter 6 Shared decision making 2

### **Module 2 New horizons in perioperative care**

- Chapter 1 Inflammation: the basic sciences
- Chapter 2 Initiation and control
- Chapter 3 Post operative organ dysfunction
- Chapter 4 Measuring outcomes
- Chapter 5 New outcome measures 1
- Chapter 6 New outcome measures 2
- Chapter 7 Protocols and pathways 1
- Chapter 8 Protocols and pathways 2
- Chapter 9 Waiting for an avatar

### **Module 3 The Older Patient Seeking Surgery**

- Chapter 1 Introduction to ageing
- Chapter 2 Capacity and protection for the older patient
- Chapter 3 Frailty
- Chapter 4 Perioperative cognitive issues
- Chapter 5 Multimorbidity
- Chapter 6 Models of care

### **Module 5**

- Chapter 1
- Chapter 2
- Chapter 3
- Chapter 4
- Chapter 5
- Chapter 6
- Chapter 7

### **Module 6**

- Chapter 1
- Chapter 2
- Chapter 3
- Chapter 4
- Chapter 5
- Chapter 6
- Chapter 7

### **Module 7**

- Chapter 1
- Chapter 2
- Chapter 3
- Chapter 4
- Chapter 5
- Chapter 6
- Chapter 7
- Chapter 8

Chapter 7 Economic burden of healthcare provision 1

Chapter 8 Economic burden of healthcare provision 2

**Module 4: Quality, Safety & Leadership in Perioperative Care**

Chapter 1 Introduction to improvement science

Chapter 2 Psychology and leadership

Chapter 3 Patient safety

Chapter 4 Human factors

Chapter 5 Understanding how safe your care is

Chapter 6 Measurement and data for improvement

Chapter 7 Improvement science tools

Chapter 8 Quality in perioperative care

**Module 8**

Chapter 2

Chapter 3

Chapter 4

Chapter 5

Chapter 6

Chapter 7

## Diploma

### Statistical Tools

Introduction to statistics  
Descriptive research  
Observational studies  
Randomised controlled studies  
Systematic reviews  
Implementation of policies and pathways  
Perioperative medical research

### Cardiovascular disease and fluid therapy

Fluid physiology  
Crystalloids  
Colloids  
Fluids evidence and guidelines  
Myocardial injury and protection  
Heart failure  
Goal directed therapy

### Cancer and Pain

Implications of the global cancer epidemic  
Assessment and management of the cancer patient  
Perioperative implications and oncologic outcomes  
Haematological malignancies  
Solid organ malignancies and paraneoplastic syndromes  
Critical care outcomes and oncological emergencies  
Pain-describing and measuring  
Pain-acting and organising

**Hot Topics**

The evolution of surgery

Pre-operative surgery schools

Discussing and planning end of life care

Ethics of informed consent

Economic evaluations and its applications

Big data