

## Table of contents

Introduction .....	5
1. Principles and applications of tonometers .....	7
2. Principles and applications of electrocardiographs .....	16
3. Principles and applications of defibrillators .....	33
4. Principles and applications of pulse oxymeters.....	45
5. Principles and application of infusion pumps and linear infusion pumps.....	55
6. Using the patient simulator and breathing simulators in the area of ventilation technology.....	67
7. Principles and application of electrosurgical apparatus .....	83
8. Principles and applications of the vital functions monitors.....	96
9. The influence of user-adjustable parameters on the action of the patient simulator system METI ECS.....	103