

Table of Contents

Preface, vi

Acknowledgments, vii

1 Cardiovascular anatomy and physiology, 1

2 Cardiac conduction system, 15

3 The cardiac cycle and hemodynamics, 21

4 Heart disease, 29

5 Cardiac medications related to cardiac rhythm management devices, 37

6 The basics of ecg and rhythm interpretation, 48

7 Arrhythmia analysis, 58

8 Electricity 101, 78

9 Pacing 101, 84

10 Indications for pacing, 104

11 Pacemaker implantation, 116

12 Connecting the leads to the pulse generator, 131

13 Pacemaker modes and codes, 140

14 Single-chamber timing cycles, 153

15 Introduction to dual-chamber timing cycles, 169

16 Dual-chamber timing cycles: the atrial channel, 179

17 Dual-chamber timing cycles: the ventricular channel, 195

18 Paced ECG and EGM analysis, 205

19 Upper-rate behavior, 219

20 Advanced dual-chamber timing, 233

21 Rate-responsive pacing, 242

22 Special features, 260

23 Automatic capture algorithms, 278

24 Pacemaker follow-up, 297

25 Follow-up and troubleshooting, 310

Key answer, 316

Index, 320