

TABLE OF CONTENTS – Guide to Canine and Feline Electrocardiography

List of Contributors

Preface

Acknowledgements

1 Anatomy of the Conduction System 1

Pedro Oliveira

2 Cardiac Electrophysiology 9

Antonia Mavropoulou

3 Cardiac Vectors and the Genesis of the Electrocardiogram 21

Pedro Oliveira

4 Electrocardiography 35

Ruth Willis

5 Sinus Rhythms 57

Ruth Willis

6 Pathogenesis and Classification of Arrhythmias 67

Antonia Mavropoulou

7 Bradyarrhythmias and Conduction Disturbances 79

Ruth Willis

8 Atrial Rhythms 109

Pedro Oliveira

9 Atrial Fibrillation 127

Ruth Willis

10 Junctional Rhythms 147

Pedro Oliveira

11 Ventricular Rhythms 169

Antonia Mavropoulou

12 Clinical Approach to Arrhythmias and Intermittent Collapse 189

Ruth Willis

13 Diagnostic Approach to Narrow-QRS Complex Tachycardia 201

Antonia Mavropoulou

14 Diagnostic Approach to Wide-QRS Complex Tachycardia	211
<i>Antonia Mavropoulou</i>	
15 Ambulatory Electrocardiographic Recordings	219
<i>Ruth Willis</i>	
16 Heart Rate Variability	231
<i>Domingo Casamian-Sorrosal</i>	
17 Anti-arrhythmic Drugs	241
<i>Joel Freitas da Silva</i>	
18 Pacemaker Therapy	255
<i>Simon Swift</i>	
19 Electrophysiology Studies and Catheter Ablation	271
<i>Pedro Oliveira and Martin Lowe</i>	
20 Arrhythmias in Canine Cardiomyopathies and Valvular Heart Disease	285
<i>Gerhard Wess and Marin Torti</i>	
21 Arrhythmias in Feline Cardiomyopathies	301
<i>Erin L. Anderson</i>	
22 Inherited Ventricular Arrhythmias in German Shepherd Dogs	315
<i>Thibault Ribas and Romain Pariaut</i>	
23 Systemic Disease and Arrhythmias, Including Selected Non-cardiogenic Causes of Collapse	319
<i>Jon Wray</i>	
24 Cardiac Arrhythmias and Anaesthesia	337
<i>Frances Downing and Louise Clark</i>	
Appendix 1 Normal ECG Measurements for Cats and Dogs	349
Appendix 2 Arrhythmias – A Brief Review	351
Appendix 3 Mean Electrical Axis	381
Appendix 4 Anti-Arrhythmic Drugs and Dosages	387
Appendix 5 Sample ECG Reports	389
Self-assessment	393
Index	425.