

TABLE OF CONTENTS – Cardiology of the Horse, 2nd Edition

SECTION 1 – PHYSIOLOGY, PATHOPHYSIOLOGY & PHARMACOLOGY

1. Introduction to cardiac anatomy and physiology
2. Neuroendocrine Control of Cardiovascular Function: Physiology and Pharmacology
3. Cardiac responses to exercise and training
4. Cardiac Disease & Pathology
5. Pathophysiology of heart failure
6. Electrophysiology and arrhythmogenesis
7. Pharmacology of drugs used to treat cardiovascular disease

SECTION 2: DIAGNOSTIC METHODS

8. Auscultation
9. Echocardiography
10. Ambulatory Electrocardiography & Heart rate variability
11. Exercise & Stress Testing
12. Biochemical Markers of cardiovascular disease

SECTION 3: CLINICAL PROBLEMS

13. Dysrhythmias: assessment and medical management
14. Arrhythmias: pacing and electrocardioversion
15. Cardiac Murmurs: Congenital Heart Disease
16. Cardiac Murmurs: Valvular regurgitation and insufficiency
17. Fever: endocarditis and pericarditis
18. Collapse and Syncope

19. Heart Failure

20. Cardiovascular emergencies associated with anaesthesia

21. Cardiovascular complications in the Intensive Care Patient.