TABLE OF CONTENTS – Equine Emergencies : Treatment and Procedures, 4th Edition

PART 1: EMERGENCY PROCEDURES AND DIAGNOSTICS

Section I: Important Diagnostic and Therapeutic Procedures for Emergency Care

- 1. Blood Collection
- 2. Medication Administration and Alternative Methods of Drug Administration
- 3. Intravenous Catheter Selection, Sites for Placement and Maintenance
- 4. Venous Cutdown
- 5. Intraosseous and Regional Perfusion
- 6. Biopsy Techniques
- 7. Hyperbaric Oxygen Indications in Emergencies
- 8. Alternative Therapies in Emergencies: Acupuncture

Section II: Emergency Imaging, Endoscopy, Laboratory Diagnostics and Monitoring

- 9. Bacterial, Fungal and Viral Diagnostic Samples
- 10. Critical and Emergency Care Monitoring Techniques
- 11. Cytology
- 12. Emergency Diagnostic Endoscopy
- 13. Gene Testing
- 14. Imaging Techniques and Indications for the Emergency Patient
- 15. Laboratory Tests and Point of Care Diagnostics

PART 2: EMERGENCY EXAMINATION AND MANAGEMENT OF ORGAN SYSTEMS

Section I: Body and Organ Systems

- 16. Blood Coagulation Disorders
- 17. Cardiovascular System
- 18. Gastrointestinal System
- 19. Integumentary System
- 20. Liver Failure, Anemia and Blood Transfusion
- 21. Musculoskeletal System
- 22. Nervous System
- 23. Ophthalmology
- 24. Reproduction System
- 25. Respiratory System
- 26. Urinary System

Section II: Pregnancy, Perinatal/Neonatal Period

- 27. Monitoring the Pregnant Mare
- 28. Emergency Foaling
- 29. Foal Resuscitation
- 30. Perinatology
- 31. Neonatology

Section III: Shock, Temperature Related Problems, Systemic Inflammatory Response Syndrome and Muti-Organ Dysfunction Syndrome

- 32. Shock, Systemic Inflammatory Response Syndrome (SIRS), Multi-Organ Dysfunction Syndrome (MODS)
- 33. Temperature Related Problems: Hypothermia and Hyperthermia

PART 3: TOXICOLOGY

34. Toxicology

PART 4: SPECIAL PROBLEM EMERGENCIES

Section I: Special Problems

- 35. Burns, Acute Soft Tissue Swellings. Pigeon Fever
- 36. Caring for the Down Horse
- 37. Disaster Medicine
- 38. Diseases Unique to Donkeys and Miniature Horses
- 39. Diseases Unique to Draft Horses
- 40. Emergency Diseases Unique to Countries Outside the Continental United States
- 41. Flood Injury
- 42. Foot Injuries
- 43. Laminitis
- 44. Orthopedic Emergencies of the Racing Athlete
- 45. Snake Envenomination
- 46. Thoracic Trauma

Section II: Anesthesia

- 47. Anesthesia for Out-of-Hospital Emergencies
- 48. Euthanasia/Humane Destruction
- 49. Pain Management

Section III: Nutrition

- 50. Approach to the Feed and Starvation Emergency
- 51. Nutritional Guidelines for the Injured, Hospitalized and Postsurgical Patient

Section IV: Biosecurity

- 52. Contagious and Zoonotic Diseases
- 53. Standard Precautions and Infectious Disease Management

APPENDICES

- 1: Commonly Used Formulas and Calculations in Emergency Care
- 2: Important Equivalents and Conversions for Clinical Practice

- 3: Miscellaneous Charts and Tables Useful in Clinical Practice
- 4: Reference Values
- 5: Clinical Pharmacology and Emergency Drug Facts
- A. Emergency Drugs, Recommended Dosages and Adverse Drug Events
- B. Drugs for Specific Emergencies, Protocols and Clinical Situations
 - Antibiotics Concentration Dependent vs. Time Dependent Drugs
 - Anesthetic Induction
 - Cardio-Respiratory Resuscitation
 - Cardiac Arrhythmia Drugs and Protocols
 - o Pharmacologic Adjuncts to Intubation
 - Physical and Chemical Restraint
 - o Pressors
 - Prokinetics
 - Seizure Control
 - Sepsis
 - Shock
- C. Adverse Drug Events and Management
- D. Clinical Signs and Overdose Response of Commonly Used Medications and

Recommended Treatments

INDEX.