

Table of Contents

- **Section I: Trauma**

1. Trailer accidents
2. Pain management in the trauma patient
3. Internal hemorrhage and resuscitation
4. Thoracic and airway trauma
5. First aid care of limb injuries
6. Extensive skin loss/Degloving injury
7. Crush injuries and compartment syndrome
8. Penetrating Wounds of Synovial Structures
9. Acute neurological injury
10. Ocular trauma
11. Burn injuries

Section II: Pain control

12. Recognition of pain
13. Analgesic Pharmacology
14. Pain control for laminitis
15. Post-operative pain control
16. Spinal anesthesia and analgesia
17. Acupuncture for pain control

Section III: Sports medicine

18. Evaluation of the horse for poor performance
19. Cardiovascular disease in poor performance
20. Upper airway obstructions
21. Heat stress and hyperthermia
22. Managing back pain
23. Neck pain and stiffness
24. Electrotherapy in horse rehabilitation
25. Regenerative medicine in orthopedics
26. Impact of FEI rules on sport horse medication
27. Older horse sports medicine
28. Surfaces and injury

Section IV: Infectious disease

29. Biosecurity in hospitals
30. Biosecurity on horse farms
31. Managing an outbreak of infectious disease
32. PCR in infectious disease diagnosis and management
33. Antimicrobial update
34. African horse sickness
35. West Nile virus
36. Gamma herpesviruses (EHV5 and EHV2)
37. Equine alpha herpesviruses
38. Equine Rhinitis Virus Infection
39. World status of equine influenza: impact on vaccination

40. Rabies
41. Strangles
42. Leptospirosis
43. Screening herds for Lawsonia
44. Corynebacterium pseudotuberculosis infection (local and systemic)
45. Equine protozoal myelitis
46. Rickettsial Diseases
47. Vaccination programs

Section V: Respiratory disease

48. Diagnostic procedures for lower airway disease
49. Investigating respiratory disease outbreaks
50. Diseases of the nasal cavity and paranasal sinuses
51. Dynamic endoscopy
52. Recurrent laryngeal neuropathy
53. Laryngeal Ultrasound
54. Dorsal displacement of the soft palate
55. Pharyngeal collapse
56. How to manage air quality in stables
57. Hemoptysis and epistaxis
58. EIPH
59. RAO and IAD
60. Severe pneumonia and ARDS
61. Hypertrophic Osteopathy

Section VI: Gastrointestinal disease

62. Donkey dental disease
63. Esophageal disease
64. Gastric ulcers
65. Gastric impaction
66. Hepatic diseases in the horse
67. Anterior enteritis
68. Acute equine colitis
69. Antimicrobial-associated diarrhea
70. Imaging, endoscopy, and other diagnostic procedures for the acute abdomen
71. Managing colic in the field
72. Infiltrative Bowel Diseases of the Horse
73. Diagnostic approach to protein-losing enteropathies
74. Medical Management of Large (Ascending) Colon Colic
75. Small bowel colic
76. Donkey colic
77. Parasite screening and control
78. Adhesions
79. Lawsonia infection and proliferative enteropathy
80. Peritonitis

Section VII: Neurology

81. Brainstem
82. Cervical vertebral stabilization

83. Cranial nerves
84. CSF standing tap
85. Dysphagia
86. Horner's syndrome
87. Seizure disorders
88. Forebrain disease
89. Equine Neuroaxonal Dystrophy
90. Neurological herpesvirus
91. Neurologic consequences of Lyme disease
92. Neuromuscular diseases
93. Sleep disorders and alterations in mentation
94. Cervical vertebral canal endoscopy
95. Diagnosis of ventral cranial trauma

Section VIII: Oncology

96. Lymphoma
97. Paraneoplastic syndromes
98. Squamous cell carcinoma of the penis and prepuce
99. Equine sarcoid
100. Splenic tumors and other soft tissue tumors
101. Mammary tumors

Section IX: Urinary tract disease

102. Examination of the urinary system
103. Polyuria polydipsia
104. Urinary Incontinence
105. Congenital disorders of the urinary tract
106. Urinary tract infection and bladder displacement
107. Ureteral disease
108. Urolithiasis
109. Hematuria
110. Acute Kidney Injury
111. Chronic Kidney Disease

Section X: Hematology

112. Anemia
113. Equine infectious anemia
114. Piroplasmosis
115. Blood transfusion and transfusion reactions
116. Foal Immunodeficiency Syndrome
117. Hemolytic disorders
118. Disorders of platelets
119. Evaluation of hemostasis

Section XI: Cardiovascular

120. Congenital cardiovascular conditions
121. Investigation of cardiac arrhythmias
122. Cardiac murmurs
123. Pericardial disease

•

Section XII: Dermatology

- 124. Draft horse lymphedema
- 125. Melanoma
- 126. Skin grafting
- 127. Blistering mucosal diseases
- 128. Photosensitivity
- 129. Atopy
- 130. Tick and mite diseases
- 131. Ventral dermatitis
- 132. Hypersensitivity diseases
- 133. Immune-mediated skin disorders
- 134. Congenital skin disorders

Section XIII: Endocrine and metabolic disease

- 135. Equine metabolic syndrome
- 136. Pituitary pars intermedia dysfunction (pergolide)
- 137. Dyslipidemias
- 138. Older horse endocrinopathies
- 139. Equine Intestinal Hyperammonemia

Section XIV: Ophthalmology

- 140. Examination of the eye
- 141. Genetics of eye disease
- 142. Cataract
- 143. Management of corneal ulcer
- 144. Glaucoma
- 145. Fungal keratitis
- 146. Immune-mediated keratopathies
- 147. Eyelid Lacerations
- 148. A diagnostic approach to ocular discharge
- 149. Ocular Squamous cell carcinoma
- 150. Recurrent uveitis

Section XV: Reproduction

- 151. Emergencies in stallions
- 152. Breeding Management of the Older Breeding Stallion with Declining Testicular Function
- 153. Diagnosing and managing the cryptorchid
- 154. Scrotal hernia in stallions
- 155. Low sperm count; diagnosis and management of semen for breeding
- 156. Factors affecting fertility rate when using cooled transported semen
- 157. Cryopreservation of stallion semen
- 158. Parturition emergencies in broodmares
- 159. Postpartum emergencies in broodmares
- 160. Uterine tears
- 161. Ovarian abnormalities
- 162. Hormone therapy
- 163. Bacterial endometritis
- 164. Fungal endometritis

165. Mating-induced endometritis
166. Uteropexy in older mares
167. Embryo transfer
168. Placentitides
169. Inducing parturition
170. Field dystocia
171. Retained fetal membranes

Section XVI: The Foal

172. Diagnostic evaluation of the compromised neonatal foal
173. Diarrhea in foals
174. Hemopoietic disorders in foals
175. Perinatal asphyxia syndrome
176. Screening for R Equi
177. Sepsis and the SIRS in neonatal foals
178. Use of fresh and frozen blood products in foals
179. Hernia management
180. Gastroduodenal Ulcer Syndrome in Foals
181. Colic in young horses
182. Anesthesia in foals
183. Lameness Originating in the Hoof of Foals
184. Uroperitoneum
185. Idiopathic hypocalcemia

Section XVII: Musculoskeletal

186. Managing orthopedic infections
187. Joint disease treatment
188. Shoulder injuries
189. Corrective shoeing for tendon and ligament injury
190. Digital flexor tendon laceration and rupture
191. Phalangeal subchondral bone cysts
192. MRI of the Fetlock
193. Meniscal and cruciate injuries
194. Injured suspensory ligament
195. Sessamoid fracture
196. Wounds of the foot
197. Keratoma
198. Canker
199. Navicular Disease and Injuries of the Podotrochlear Apparatus
200. Managing acute laminitis
201. Chronic laminitis management
202. Stress fracture diagnosis in racehorses
203. Prevention of musculoskeletal injury in Thoroughbreds
204. Bandaging and casting
205. Silicosis and the Osteoporosis Syndrome

Section XVIII: General

206. Aged horse health and welfare
207. Fluid therapy in the field
208. Protecting the abused/neglected horse

- 209. Postanesthetic Myelopathy
- 210. Resident farm veterinary practice
- 211. Common toxins in equine practice
- 212. Genetic diseases

Appendix 1: Table of Common Drugs and Approximate Doses

Appendix 2: Donkey Drug Formulary.