

The Equine Acute Abdomen, 3rd Edition

Table of Contents

Preface

About the companion website

PART I. NORMAL ANATOMY AND PHYSIOLOGY

Chapter 1. Gross and Microscopic Anatomy of the Equine Gastrointestinal Tract

Thomas M. Krunkosky, Carla Jarrett, and James N. Moore

Chapter 2. Intestinal Epithelial Stem Cells

Liana M. Gonzalez

Chapter 3. Gastric Secretory Function

Michael J. Murray

Chapter 4. Small Intestinal Function

Anthony T. Blikslager

Chapter 5. Large Intestinal Function

Marco Lopes and Philip J. Johnson

Chapter 6. Liver Function

Tim Mair

Chapter 7. The Equine Intestinal Microbiota

J. Scott Weese

Chapter 8. Effects of Feeding on Equine Gastrointestinal Function or Physiology

Marco A. F. Lopes and Philip J. Johnson

Chapter 9. Intestinal Motility and Transit

Jorge E. Nieto and Peter C. Rakestraw

PART II. PATHOPHYSIOLOGY OF GASTROINTESTINAL DISEASES

Chapter 10. Pathophysiology of Gastric Ulcer Disease

Michael J. Murray

Chapter 11. Pathophysiology of Gastrointestinal Obstruction and Strangulation

Anthony T. Blikslager

Chapter 12. Pathophysiology of Pain

Casper Lindegaard, Karina B. Glerup, and Pia Haubro Andersen

Chapter 13. Pathophysiology and Treatment of Postoperative Ileus

Jorge E. Nieto and Peter C. Rakestraw

Chapter 14. Pathophysiology, Prevention, and Treatment of Adhesions

P.O. Eric Mueller

Chapter 15. Pathophysiology of Enteritis and Colitis

Harold C. McKenzie, III

Chapter 16. Pathophysiology of Systemic Inflammatory Response Syndrome

Clare E. Bryant and James N. Moore

PART III. INTESTINAL PARASITISM

Chapter 17. Intestinal Parasitism

Chris Proudman

PART IV. EPIDEMIOLOGY OF COLIC

Chapter 18. Epidemiology of Colic: Principles for Practice

Noah D. Cohen

Chapter 19. Epidemiology of Colic: Risk Factors

Noah D. Cohen

PART V. DIAGNOSIS OF GASTROINTESTINAL DISEASE

Chapter 20. Diagnostic Approach to Colic

Anne Desrochers and Nathaniel A. White

Chapter 21. Investigations of Chronic and Recurrent Colic

Nathaniel A. White

Chapter 22. Alternative Diagnostic Techniques

Nathaniel A. White and Anne Desrochers

Chapter 23. Imaging of the Abdomen

Anne Desrochers

Chapter 24. Decision for Surgery and Referral

Nathaniel A. White

Chapter 25. Prognosticating Equine Colic

Nathaniel A. White

Chapter 26. Biosecurity in the Management of Equine Gastrointestinal Disease

Harold C. McKenzie III

PART VI. MEDICAL MANAGEMENT

Chapter 27. Medical Management of Gastrointestinal Diseases

Tim Mair

Chapter 28. Treatment of Shock

Kevin T. T. Corley

Chapter 29. Diagnosis and Treatment of Peritonitis and Hemoperitoneum

John F. Peroni

Chapter 30. Diagnosis of Enteritis and Colitis in the Horse

Harold C. McKenzie III

PART VII. COLIC IN THE FOAL

Chapter 31. Diagnosis of Colic in the Foal

Martin Furr

Chapter 32. Imaging of the Foal with Colic and Abdominal Distention

Martin Furr

Chapter 33. Medical Management of Colic in the Foal

Martin Furr

Chapter 34. Surgical Management of Colic in the Foal

Sarah M. Khatibzadeh and James A. Brown

Chapter 35. Anesthesia of Foals with Colic

Cynthia M. Trim

Chapter 36. Specific Diseases of the Foal

Martin Furr

Chapter 37. Liver Diseases in Foals

Tim Mair and Tom Divers

PART VIII. COLIC IN THE DONKEY

Chapter 38. Colic in the Donkey

Alexandra K. Thiemann, Karen Rickards, Mulugeta Getachew, and Georgios Paraschou

PART IX. NUTRITIONAL MANAGEMENT

Chapter 39. Nutritional Management of the Colic Patient

Shannon Pratt-Phillips and Ray Geor

PART X. ANESTHESIA FOR ABDOMINAL SURGERY

Chapter 40. Anesthesia for Horses with Colic
Cynthia M. Trim

PART XI. SURGERY FOR ACUTE ABDOMINAL DISEASE

Chapter 41. Preparation of the Patient for Abdominal Surgery
Anna K. Roetting

Chapter 42. Surgical Exploration and Manipulation
Anna K. Roetting

Chapter 43. Intestinal Viability
Liana M. Gonzalez

Chapter 44. Small Intestinal Resection and Anastomosis
Anna K. Roetting

Chapter 45. Large Colon Enterotomy, Resection, and Anastomosis
Joanne Hardy

Chapter 46. Abdominal Closure
Vanessa L. Cook

PART XII. INTENSIVE CARE AND POSTOPERATIVE CARE

Chapter 47. Monitoring Treatment for Abdominal Disease
Tim Mair

Chapter 48. Postoperative Complications
Diana M Hassel

Chapter 49. Laminitis Associated with Acute Abdominal Disease
James K. Belknap and Andrew H. Parks

PART XIII. SPECIFIC DISEASES OF HORSES

Chapter 50. Diseases of the Stomach
Michael J. Murray

Chapter 51. Diseases of the Liver and Liver Failure
Tim Mair and Tom Divers

Chapter 52. Diseases of the Small Intestine
Debra C. Archer

Chapter 53. Diseases of the Cecum
James N. Moore and Joanne Hardy

Chapter 54. Specific Diseases of the Ascending Colon
Joanne Hardy

Chapter 55. Diseases of the Descending Colon

John F. Peroni

Chapter 56. Grass Sickness

Tim Mair

Chapter 57. Rectal Tears

Canaan M. Whitfield-Cargile and Peter C. Rakestraw

Chapter 58. Malabsorption Syndromes

Tim Mair and Tom Divers

Chapter 59. Colic and Pregnant Mares

Elizabeth M. Santschi

Chapter 60. Colic from Alternative Systems: "False Colic"

Tim Mair

Chapter 61. Abdominal Trauma

John F. Peroni

Chapter 62. Abdominal Abscesses and Neoplasia

Jan F. Hawkins

Index