

TABLE OF CONTENTS

Front Matter (Pages: i-viii)

Part 1 : Physiology of fluids, electrolytes, and acid–base

CHAPTER 1

Body water physiology (Pages: 1-10)

C. Langdon Fielding

CHAPTER 2

Sodium and water homeostasis and derangements (Pages: 11-26)

C. Langdon Fielding

CHAPTER 3

Potassium homeostasis and derangements (Pages: 27-44)

C. Langdon Fielding

CHAPTER 4

Chloride homeostasis and derangements (Pages: 45-54)

C. Langdon Fielding

CHAPTER 5

Calcium homeostasis and derangements (Pages: 55-75)

Escolástico Aguilera-Tejero

CHAPTER 6

Magnesium homeostasis and derangements (Pages: 76-87)

Allison Jean Stewart

CHAPTER 7

Phosphorus homeostasis and derangements (Pages: 88-100)

Ramiro E. Toribio

CHAPTER 8

Acid–base homeostasis and derangements (Pages: 101-125)

Jon Palmer

Part 2 : Fluid therapy

CHAPTER 9

Preparation, supplies, and catheterization (Pages: 127-141)

Jamie Higgins

CHAPTER 10

Monitoring fluid therapy (Pages: 142-151)

Brett Tennent-Brown

CHAPTER 11

Fluid overload (Pages: 152-160)

C. Langdon Fielding

CHAPTER 12

Replacement fluids therapy in horses (Pages: 161-174)

K. Gary Magdesian

CHAPTER 13

Maintenance fluid therapy in horses (Pages: 175-189)

K. Gary Magdesian

CHAPTER 14

Fluid therapy for renal failure (Pages: 190-197)

C. Langdon Fielding

CHAPTER 15

Fluid therapy for hepatic failure (Pages: 198-205)

Thomas J. Divers

CHAPTER 16

Fluid therapy for gastrointestinal disease (Pages: 206-219)

Diana M. Hassel

CHAPTER 17

Fluid therapy and heart failure (Pages: 220-227)

Sophy A. Jesty

CHAPTER 18

Fluid therapy during neurologic disease (Pages: 228-238)

Yvette S. Nout-Lomas

CHAPTER 19

Fluid therapy for muscle disorders (Pages: 239-249)

Darien J. Feary

CHAPTER 20

Perioperative fluid therapy (Pages: 250-260)

Julie E. Dechant

CHAPTER 21

Enteral fluid therapy (Pages: 261-278)

Marco A.F. Lopes

CHAPTER 22

Fluid therapy for neonatal foals (Pages: 279-298)

K. Gary Magdesian

Part 3 : Special topics

CHAPTER 23

Blood and blood product transfusions in horses (Pages: 299-311)

Margaret Mudge

CHAPTER 24

Colloids (Pages: 312-322)

Lucas Pantaleon

CHAPTER 25

Parenteral nutrition (Pages: 323-339)

Harold C. McKenzie III

CHAPTER 26

Advanced hemodynamic monitoring (Pages: 340-350)

Kevin Corley

CHAPTER 27

Peritoneal dialysis (Pages: 351-355)

Laurie Gallatin

Index (Pages: 356-370).