



# Equine Sports Medicine and Surgery

Basic and clinical sciences of the equine athlete

Book • Third Edition • 2024

Edited by:

Kenneth W. Hinchcliff, Andris J. Kaneps, ... Emmanuelle van Erck-Westergren

Purchase book
About the book

Search in this book



Full text access

Front Matter, Copyright, Contributors, Foreword, Preface

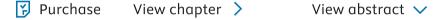


- Section 1: The Horse as an Athlete
- Section 2: Musculoskeletal System and Lameness

Book chapter O Abstract only

#### 9 - Muscle Physiology: Responses to Exercise and Conditioning

Dominique-M. Votion, José-Luis L. Rivero and Richard J. Piercy Pages 128-177



Book chapter O Abstract only

#### 10 - Muscle Disorders of Equine Athletes

Richard J. Piercy and José-Luis L. Rivero

Pages 178-219

Purchase View chapter > View abstract >

Book chapter O Abstract only

### 11 - Epidemiology of Orthopedic Injury and Death in Athletic Horses

Peta Lee Hitchens and Chris Whitton

Pages 220-232

Purchase View chapter > View abstract >

Book chapter O Abstract only

#### 12 - Skeletal Physiology: Responses to Exercise and Training

**Chris Whitton** 

Pages 233-251



Book chapter O Abstract only

#### 17 - Diagnosis of Lameness

Andris J. Kaneps Pages 325-340

Purchase View chapter >

View abstract 🗸

Book chapter O Abstract only

#### 18 - Diseases of the Foot

Andris J. Kaneps

Pages 341-361

Purchase

View chapter >

View abstract ∨

Book chapter O Abstract only

## 19 - Principles of Sport Horse Farriery

Babak Faramarzi

Pages 362-376

Purchase

View chapter >

View abstract ∨

Book chapter O Abstract only

#### 20 - Distal Limb: Fetlock and Pastern

Alicia L. Bertone and Allison Dockery

Pages 377-401

Purchase View chapter > View abstract ✓

Book chapter O Abstract only

#### 21 - Metacarpus/Metatarsus

**Chris Whitton** 

Pages 402-437

Purchase

View chapter >

View abstract 🗸

Book chapter O Abstract only

# 22 - The Carpus

Kristin A. Bubeck and Andris J. Kaneps

Pages 438-455

Purchase

View chapter >

View abstract 🗸

Book chapter O Abstract only

#### 23 - Elbow and Shoulder

Brad B. Nelson and Laurie R. Goodrich

Pages 456-477

Purchase

View chapter >

View abstract 🗸

Book chapter O Abstract only

#### 24 - Tarsus and Stifle

**Chris Whitton** 

Pages 478-514

Purchase

View chapter >

View abstract ∨

Book chapter O Abstract only

#### 25 - Axial Skeleton: Neck, Back, and Pelvis

Philippe H. Benoit and Cooper Williams

Pages 515-537

Purchase

View chapter >

View abstract 🗸

Book chapter O Abstract only

#### 26 - Neurologic Causes of Gait Abnormalities in Athletic Horses

Elizabeth A. Carr and Omar Maher

Pages 538-557

Purchase

View chapter >

View abstract 🗸

Book chapter O Abstract only

#### 27 - Soft Tissue Injuries: Tendinitis and Desmitis

Carol Gillis

Pages 558-583

Purchase

View chapter >

View abstract 🗸

Book chapter O Abstract only

#### 28 - Pharmacotherapy of Joint and Tendon Disease

Erin K. Contino

Pages 584-608



Purchase

View chapter >

View abstract 🗸

Book chapter O Abstract only

#### 29 - Equine Rehabilitation

Steve Adair and Tena Ursini

Pages 609-631

- Purchase View chapter > View abstract 🗸
- Section 3: Respiratory System
- > Section 4: Cardiovascular System
- > Section 5: Metabolism and Nutrition
- > Section 6: Body Fluids, Electrolytes, Acid-Base, and Thermoregulation
- > Section 7: Hematology, Biochemistry, and Immunity
- > Section 8: Gastrointestinal System
- > Section 9: Behavior
- > Section 10: Vision
- > Section 11: Veterinary Management of Athletic Horses
- > Section 12: Drug and Medication Use in Athletic Horses

Book chapter O No access

# Appendix A - Reference Values for Red Cell Variables in Athletic Horses

Erica McKenzie

Pages 1374-1378

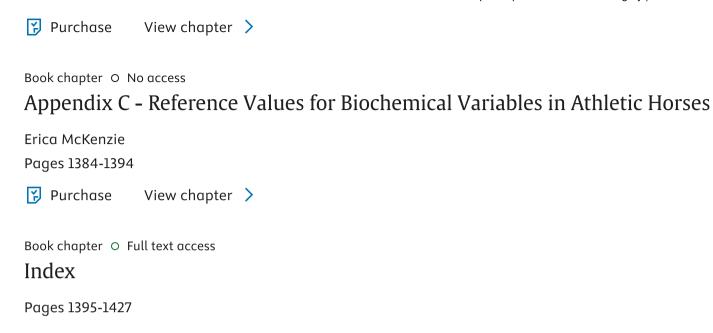
Purchase View chapter >

Book chapter O No access

### Appendix B - Reference Values for the Leukogram of Athletic Horses

Erica McKenzie

Pages 1379-1383



# About the book

View chapter >

## Description

View PDF

Get evidence-based guidelines to keeping athletic horses healthy and physically fit! **Equine Sports Medicine and Surgery, 3rd Edition,** provides a comprehensive guide to exercise physiology and training within a clinical context, along with a detailed review of all diseases affecting horses participating in racing and competition. Not only does this text discuss the physiological responses of each body system to exercise, but it covers... Show more  $\checkmark$ 

Key Features

**NEW! Chapters** in this edition include:

History of Equine Exercise Physiology

with the control of the control of the

Show more ✓

# **Details**

#### **ISBN**

978-0-7020-8370-9

## Language

English

## Published

2024

# Copyright

Copyright © 2024 by Elsevier Ltd. All rights reserved, including those for text and data mining, AI training, and similar technologies.

# **Imprint**

Saunders Ltd.

#### DOI

https://doi.org/10.1016/C2019-0-00789-3

# **Editors**

#### Kenneth W. Hinchcliff

Warden and CEO, Trinity College, Parkville, Victoria, Australia

Professor (Emeritus), Melbourne Veterinary School, Faculty of Science, University of Melbourne, Melbourne, Victoria, Australia

#### Andris J. Kaneps

Owner, Kaneps Equine Sports Medicine and Surgery, Beverly, Massachusetts

## Raymond J. Geor

Professor of Equine Medicine and Pro Vice-Chancellor, College of Sciences, Massey University, Palmerston North, New Zealand

# Emmanuelle van Erck-Westergren

Founder & Owner, Equine Sports Medicine Practice, Waterloo, Belgium



All content on this site: Copyright © 2025 Elsevier B.V., its licensors, and contributors. All rights are reserved, including those for text and data mining, AI training, and similar technologies. For all open access content, the Creative Commons licensing terms apply.

