

TABLE OF CONTENTS – Canine Sports Medicine and Rehabilitation, 2nd Edition

Contributors

Foreword

Preface

Acknowledgments

1 What is a Canine Athlete? 1

Chris Zink and Brittany Jean Carr

2 Locomotion and Athletic Performance 23

Chris Zink and Brittany Jean Carr

3 Musculoskeletal Structure and Physiology 43

Stuart Bliss

4 The Role of Nutrition in Canine Performance and Rehabilitation 72

Joseph Wakshlag

5 Introduction to Canine Rehabilitation 96

Amy Kramer, Amie Lamoreaux Hesbach and Shari Sprague

6 Manual Therapy 120

Judy Coates

7 Rehabilitation Physical Modalities 136

Krista Niebaum, Laurie McCauley and Carolina Medina

8 Therapeutic Exercise 177

Laurie McCauley and Janet Van Dyke

9 Aquatic Therapy 208

Jody Chiquoine, Ellen Martens, Laurie McCauley and Janet Van Dyke

10 Conditioning and Retraining the Canine Athlete 227

Chris Zink and Brittany Jean Carr

11 Veterinary Orthotics and Prosthetics 265

Patrice M. Mich, and Martin Kaufmann

- 12 Disorders of the Canine Thoracic Limb: Diagnosis and Treatment 294
Sherman Canapp, David Dycus and Kristin Kirkby Shaw
- 13 Evaluation and Rehabilitation Options for Orthopedic Disorders of the Canine Thoracic Limb 333
Sasha Foster
- 14 Disorders of the Canine Pelvic Limb: Diagnosis and Treatment 353
Peter Lotsikas, Faith Lotsikas, David Hummel, Nina R. Kieves, Jonathan Dyce and Patrick A. Ridge
- 15 Evaluation and Rehabilitation Options for Orthopedic Disorders of the Canine Pelvic Limb 389
Judy Coates
- 16 Biological Therapies in Canine Sports Medicine 404
Samuel Franklin, Antonio Pozzi and Frank Steffen
- 17 Diagnosis of and Treatment Options for Disorders of the Canine Spine 425
H. Steven Steinberg and Joan R. Coates
- 18 Rehabilitation for Geriatric Canine Patients 454
Rosemary J. LoGiudice, FCoAC and Lisa Starr
- 19 The Prevention and Management of Pain in Canine Patients 479
Mark E. Epstein
- 20 Imaging in Canine Sports Medicine 502
Jennifer Brown and Kimberly Henneman
- 21 Conditions and Rehabilitation of the Working Dog 520
Kimberly Henneman and Chris Zink
- 22 The Role of Acupuncture and Manipulative Therapy in Canine Rehabilitation 545
Carolina Medina, Rosemary J. LoGiudice and Christine Jurek
- 23 The Business of Canine Rehabilitation 564
Amy Kramer
- Index 577.