

Biology, Medicine, and Surgery of Elephants

By: Murray E. Fowler, Susan K. Mikota

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Elephants are possibly the most well-known members of the animal kingdom. The enormous size, unusual anatomy, and longevity of elephants have fascinated humans for millennia. *Biology, Medicine, and Surgery of Elephants* serves as a comprehensive text on elephant medicine and surgery. Based on the expertise of 36 scientists and clinical veterinarians, this volume covers biology, husbandry, veterinary medicine and surgery of the elephant, complete with taxonomy, behavioral, geographical and systemic information. The book is well-illustrated and organized for easy reference.

Contents:

Introduction

Acknowledgments

1. Taxonomy, Classification, History, and Evolution
2. Elephants in Captivity
3. Laws and Legislation
4. Behavior and Social Life
5. Husbandry
6. Nutrition
7. Preventive Health Care and Physical Examination
8. Physical Restraint and Handling
9. Chemical Restraint and Anesthesia
10. Surgery and Surgical Conditions
11. Infectious Diseases
12. Parasitology
13. Diagnostics (Antemortem)
14. Diagnostics (Postmortem)
15. Therapeutics
16. Neonatal Care and Hand-Rearing
17. Multi-Systemic Disorders
18. Integument System
19. Musculoskeletal System
20. Foot Disorders
21. Respiratory System
22. Digestive System
23. Endocrine and Immune Systems
24. Cardiovascular System
25. Hemolymphatic System
26. Reproductive System
27. Reproductive and Diagnostic Ultrasonography
28. Reproductive Endocrinology
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31. Special Senses
32. Chemical, Tactile, and Taste Sensory Systems
33. Toxicology
34. Zoonoses and Human Injury
35. Veterinary Problems of Geographical Concern
36. Conservation

Appendices

Special Features:

- Written by the foremost experts in the field
- Comprehensively covers both Asian and African elephants
- First complete text covering all aspects of elephant management in any language.
- Comprehensive reference lists for further study by readers
- Includes elephant drug formulary

About the Authors:

Murray Fowler, DVM, is Professor Emeritus of Zoological Medicine at the School of Veterinary Medicine, University of California at Davis, Davis, CA. Most recently, he has been a part-time employee of Ringling Brothers, Barnum and Bailey's Circus. His previous publications include *Zoo and Wild Animal Medicine, Fifth Edition* (2003); *Restraint and Handling of Wild and Domestic Animals* (Blackwell Publishing, 1995); *Medicine and Surgery of South American Camelids* (Blackwell Publishing, 1998); and *Biology, Medicine and Surgery of South American Wild Animals* (Blackwell Publishing, 2001).

Susan Mikota, DVM, is a co-founder and Director of Veterinary Programs and Research for Elephant Care International, the first nonprofit organization devoted to elephant healthcare. Her previous publications include *Medical Management of Elephants* (1994) and several book chapters on elephants.

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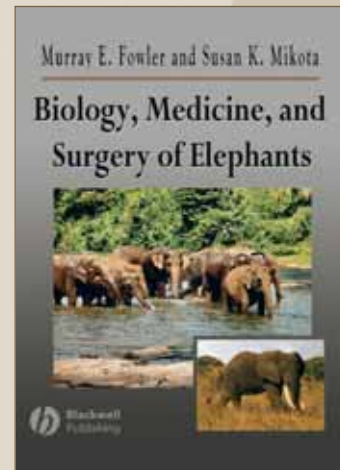
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