

THE BIOLOGY AND IDENTIFICATION OF THE COCCIDIA (APICOMPLEXA) OF CARNIVORES OF THE WORLD

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The fundamental concept of *The Biology and Identification of the Coccidia (Apicomplexa) of Carnivores of the World* is to provide an up-to-date reference guide to the identification, taxonomy, and known biology of apicomplexan intestinal and tissue parasites of carnivores including, but not limited to, geographic distribution, prevalence, sporulation, prepatent and patent periods, site(s) of infection in the definitive and (if known) intermediate hosts, endogenous development, cross-transmission, pathology, phylogeny, and (if known) their treatments. These data will allow easy parasite recognition with a summation of virtually everything now known about the biology of each parasite species covered. The last (very modest) and only treatise published on this subject was in 1981 so this book fills a fundamental gap in our knowledge of what is now known, and what is not, about the coccidian parasites that infect and sometimes kill carnivores and/or their prey that can harbor intermediate stages, including many domestic and game animals.

KEY FEATURES

- Offers line drawings and photomicrographs of many parasite species that will allow easy diagnosis and identification by both laypersons and professionals (veterinarians, wildlife biologists, etc.)
- Presents a complete historical rendition of all known publications on carnivore coccidia for all carnivore families and evaluates the scientific and scholarly merit of each apicomplexan species relative to the current body of knowledge
- Provides a complete species analysis and their known biology of all coccidia described from each carnivore lineage and species
- Reviews the most current taxonomy of carnivores and their phylogenetic relationships to help assess host-specificity patterns that may be apparent
- Evaluates what little cross-transmission work is available to help understand the complexities of those coccidians that use two hosts (e.g., *Sarcocystis*, *Besnoitia*, and others)
- Provides known treatments for the various parasite genera/species



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