FUNDAMENTALS OF SYSTEMIC VETERINARY PATHOLOGY

VOLUME 2

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PREFACE

Fundamentals of Systemic Veterinary Pathology is a course book on the pathology of the body systems of animals, which was developed in response to the need for readily available quality books and study materials for veterinary students. Further encouragement towards working hard enough to produce this course book came from the warm reception and acceptance by students and fellow academics of the earlier course book on General Pathology (written by J. I. Ihedioha).

The contents of Fundamentals of Systemic Veterinary Pathology extensively cover the systemic veterinary pathology syllabus of standard paraclinical veterinary curriculum/programme and even more. The widely pedagogically recommended integrated format for content selection was followed, such that the already acquired basic knowledge of veterinary anatomy, physiology and biochemistry of each body system was briefly reviewed in the “Introduction” to each system and carefully integrated into the discussion of lesions in order to establish a link and lay a solid foundation for the acquisition of the new knowledge of the pathology of the body systems that was presented. The diseases associated with the lesions discussed in each of the body systems and the possible clinical implications of the lesions were also briefly reviewed in order to further integrate the study of the pathology of the body systems with that of specific diseases (special pathology) and clinical medicine.

For reasons of simplicity and ease of handling, the book is presented in two component volumes, each with a comprehensive table of contents and index that serve as guide map for finding information on specific topics in the book with ease. Volume 1 covers the pathology of the integument (skin), muscle, skeleton, haematopoietic system, nervous system and organs of special sense.
(eye and ear), while volume 2 contains presentations on the pathology of the cardiovascular, respiratory, digestive, urinary, reproductive and endocrine systems. In all volumes, pathologic changes were described in simple language that demystified the wrong belief among students that pathology is difficult to study. Numerous photographs and illustrations were inserted where appropriate in order to bring to life the gross and microscopic appearance of the lesions discussed in the body systems. Beyond describing lesions, the pathogenesis and pathologic basis for the lesions were clearly presented in order to enhance in-depth understanding of the disease process; this was considered important because knowledge of pathology is needed beyond the veterinary school, in fact, it is much more important in field veterinary practice after graduation. As is typical with course books, specific references to published sources were neither cited nor listed; rather a selected bibliography of standard pathology and related textbooks were included at the end of each volume for the benefit of students.

The experience gathered by the authors in the course of their long number of years of teaching students and coordinating veterinary pathology courses was strongly brought to bear on the preparation of this course book; a serious student shall therefore find the book user-friendly and easy to read and understand. We strongly believe that Fundamentals of Systemic Veterinary Pathology shall adequately meet the needs of veterinary students.

J. I. Ihedioha & C. N. Chineme

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FUNDAMENTALS
OF
SYSTEMIC VETERINARY PATHOLOGY

VOLUME 2

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