FUNDAMENTALS OF SYSTEMIC VETERINARY PATHOLOGY

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Fundamentals of Systemic Veterinary Pathology,
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PREFACE

Fundamentals of Systemic Veterinary Pathology is an undergraduate course book on the pathology of the body systems of animals, which was developed in response to the need and yearnings for readily available books and study materials for undergraduate 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, muscle, haematopoietic system, nervous system and organs of special sense (eye and ear), while volume 2 contains presentations on the pathology of the circulatory, respiratory, digestive, urinary and reproductive 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 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

[February 2004]
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FUNDAMENTALS
OF
SYSTEMIC VETERINARY PATHOLOGY

VOLUME 1

Integumentary system

Muscle

Skeletal system

Haematopoietic system

Nervous system

Organs of Special Sense (Eye and Ear)
## CONTENTS

**Contents** | **Page**
--- | ---
Title page | i
Preface | iii
Acknowledgements | v
Contents | ix

### Part 1: Integumentary system

1-1. Introduction | 1
1-2. Congenital defects of the skin and appendages | 5
1-3. Degenerative, necrotic and growth changes in the skin and subcutis | 10
1-4. Acquired disorders of pigmentation | 14
1-5. Disturbances of hair growth and replacement | 16
1-6. Secretory disorders of the sweat and sebaceous glands | 17
1-7. Circulatory disturbances in the skin | 19
1-8. Inflammation of the skin | 21
1-9. Thermal injury to the skin | 23
1-10. Chemical injury to the skin | 25
1-11. Cystic and hyperplastic lesions of the skin and appendages | 29
1-12. Neoplasms of the skin and appendages | 36

### Part 2: Muscle

2-1. Introduction | 45
2-2. Congenital anomalies/malformation of striated muscles | 47
2-3. Disturbances of cellular growth in striated muscles | 48
2-4. Degenerative changes in striated muscle | 50
2-5. Circulatory disturbances in striated muscle | 55
2-6. Inflammation of striated muscle (myositis) | 58
2-7. Neoplasms of striated muscle | 63
### Part 3: Skeletal system

3-1. Introduction ................................................................. 65

**Section 3a: Bones** .......................................................... 65
3-2. Abnormalities of bone development .......................... 66
3-3. Deformities of bone .................................................. 72
3-4. Metabolic diseases of bone ...................................... 74
3-5. Bone fracture ........................................................... 86
3-6. Degenerative disorders of bone ............................... 88
3-7. Inflammation of bone (osteitis) .............................. 90
3-8. Exostosis ................................................................. 93
3-9. Hypertrophic pulmonary osteoarthropathy ............... 94
3-10. Enostosis ............................................................... 95
3-11. Protrusion of intervertebral discs ......................... 96
3-12. Neoplasms of the skeleton .................................... 97

**Section 3b. Joints** ......................................................... 102
3-13. Degenerative joint disease .................................. 102
3-14. Traumatic injuries to joints ................................. 103
3-15. Inflammatory joint disease ................................. 104

### Part 4: Haematopoietic system

4-1. Introduction ................................................................. 107

**Section 4a: Blood** .......................................................... 109
4-2. Erythrocyte .............................................................. 109
   4-2.1 Polycythemia ..................................................... 110
   4-2.2 Anaemia ............................................................ 111
4-3. Haemoglobin .......................................................... 120
   4-3.1 Congenital abnormality of heme synthesis ............ 121
   4-3.2 Acquired disorders of haemoglobin .................... 121
   4-3.3 Haemoglobinemia and haemoglobinuria .............. 123
4-4. Leukocyte .............................................................. 123
   4-4.1 Leukocytosis ..................................................... 124
CONTENTS

4-4.2 Leukopaenia .............................. 125
4-4.3 Neutrophils and their disorders .................. 126
4-4.4 Eosinophils and their disorders .................. 127
4-4.5 Basophils and their disorders .................. 128
4-4.6 Lymphocytes and their disorders ............... 128
4-4.7 Monocytes and their disorders .................. 129
4-4.8 Leukocytic lesions in Chediak-Higashi syndrome .... 129

4-5. Thrombocyte (Platelet) .......................... 130
4-5.1 Thrombocytosis .............................. 130
4-5.2 Thrombocytopenia ......................... 130
4-5.3 Disorders of platelet function .................. 132

4-6. Blood coagulation ............................. 132
4-6.1 Congenital coagulation disorders ............... 133
4-6.2 Acquired coagulation disorders ................ 134

Section 4b: Bone marrow ............................. 135
4-7. Hyperplasia of the bone marrow .................. 136
4-8. Hypoplasia of the bone marrow .................. 136
4-9. Aplasia of the bone marrow ...................... 138
4-10. Inflammation of the bone marrow ............... 138
4-11. Neoplastic disorders of the bone marrow ........ 139

Section 4c: Lymphoreticular tissues ...................... 144
4-12. Spleen and splenic disorders .................... 144
4-12.1 Congenital disorders of the spleen ............... 144
4-12.2 Degenerative disorders of the spleen .......... 145
4-12.3 Rupture of the spleen ....................... 145
4-12.4 Torsion of the spleen ........................ 146
4-12.5 Enlargement of the spleen (splenomegaly) .... 146
4-12.6 Circulatory disorders of the spleen .......... 147
4-12.7 Inflammation of the spleen (splenitis) ......... 148
4-12.8 Nodular hyperplasia of the spleen ............. 149
4-12.9 Myeloid hyperplasia of the spleen ............. 150
4-12.1 Cystic and neoplastic disorders of the spleen .... 150
4-13. Lymph nodes and their disorders ........................................... 151
  4-13.1 Congenital disorders of lymph nodes .............................. 151
  4-13.2 Degenerative changes in lymph nodes ............................ 152
  4-13.3 Hyperplastic enlargement of lymph nodes ....................... 152
  4-13.4 Inflammation of lymph nodes (lymphadenitis) ................. 152
  4-13.5 Neoplastic disorders of lymph nodes ............................ 153
4-14. Thymus and thymic disorders ........................................... 153
  4-14.1 Congenital disorders of the thymus ............................... 154
  4-14.2 Degenerative and inflammatory disorders of the thymus .... 154
  4-14.3 Neoplastic disorders of the thymus .............................. 155
4-15. Tumours of the lymphoreticular tissues ............................. 155

Part 5: Nervous system
  5-1. Introduction ........................................................................ 161
  5-2. Basic functional neuropathology ........................................ 163
  5-3. Congenital abnormalities of the nervous system .................. 165
  5-4. Necrotic changes in nervous tissues ................................... 174
  5-5. Circulatory disturbances in nervous tissues ....................... 176
  5-6. Traumatic and mechanical injuries in the nervous system .... 181
  5-7. Inflammations in the nervous system ................................ 185
  5-8. Neoplasms of nervous tissue ........................................... 188

Part 6: Organs of Special Sense
  6-1. Introduction ........................................................................ 191
  Section 6a: Eye ........................................................................ 192
  6-2. General developmental abnormalities of the eyes ............... 193
  6-3. Retina .............................................................................. 195
    6-3.1 Congenital anomalies of the retina ............................... 196
    6-3.2 Degeneration of the retina ........................................... 199
    6-3.3 Acquired retinal detachment ....................................... 199
    6-3.4 Circulatory disturbances in the retina ......................... 200
    6-3.5 Inflammation of the retina ........................................... 201
6-4. Uveal tract

6-4.1 Congenital anomalies of the uvea

6-4.2 Mechanical injuries to the uvea

6-4.1 Inflammation of the uvea

6-5. Lens

6-5.1 Congenital anomalies of the lens

6-5.2 Acquired dislocation of the lens

6-5.3 Acquired lenticular opacity (acquired cataract)

6-6. Cornea and conjunctiva

6-6.1 Congenital anomalies of the cornea

6-6.2 Degeneration of the cornea and conjunctiva

6-6.3 Inflammations of the cornea and conjunctiva

6-7. Eyelid and its disorders

6-8. Lacrimal gland and its disorders

6-9. Orbit and its disorders

6-10. Optic nerve and papilla and their disorders

6-11. Ophthalmitis

6-12. Glaucoma

6-13. Hypotony

6-14. Neoplastic disorders of the eye and adnexa

Section 6b: Ear

6-15. External ear

6-15.1 Congenital anomalies of the external ear

6-15.2 Acquired lesions of the external ear

6-16. Middle ear and its disorders - Otitis media

6-17. Inner ear and its disorders

Selected Bibliography

Index
Copies of
‘Fundamentals of Systemic Veterinary Pathology’
are available at the
University of Nigeria Nsukka Bookshop.