

Contents

<i>Contributing Authors</i>	xi	9 Adenovirus Infections	251
<i>Introduction</i>	xix	Introduction, <i>S. D. Fitzgerald</i>	
<i>Foreword</i>	xxi	Group I Adenovirus Infections, <i>B. M. Adair and S. D. Fitzgerald</i>	
1 Principles of Disease Prevention: Diagnosis and Control	3	Egg Drop Syndrome, <i>B. M. Adair and J. A. Smyth</i>	
Introduction, <i>A. J. Bermudez</i>		Hemorrhagic Enteritis and Related Infections, <i>F. W. Pierson and S. D. Fitzgerald</i>	
Disease Prevention and Diagnosis, <i>A. J. Bermudez and B. Stewart-Brown</i>		Quail Bronchitis, <i>W. M. Reed and S. W. Jack</i>	
Antimicrobial Therapy, <i>D. P. Wages</i>			
2 Host Factors for Disease Resistance	47	10 Pox	291
Introduction, <i>J. M. Sharma</i>		<i>D. N. Tripathy and W. M. Reed</i>	
Avian Immune System, <i>J. M. Sharma</i>		11 Reovirus Infections	309
Genetics of Disease Resistance, <i>H. H. Cheng and S. J. Lamont</i>		Introduction, <i>R. C. Jones</i>	
		Viral Arthritis, <i>R. C. Jones</i>	
		Other Reovirus Infections, <i>R. C. Jones</i>	
SECTION I: VIRAL DISEASES		12 Viral Enteric Infections	329
3 Newcastle Disease, Other Avian Paramyxoviruses, and Pneumovirus Infections	75	Introduction, <i>Y. M. Saif</i>	
Introduction, <i>D. J. Alexander and D. A. Senne</i>		Turkey Coronavirus Enteritis, <i>J. S. Guy</i>	
Newcastle Disease, <i>D. J. Alexander and D. A. Senne</i>		Rotavirus Infections, <i>M. S. McNulty and D. L. Reynolds</i>	
Avian Metapneumovirus, <i>R. E. Gough and R. C. Jones</i>		Astrovirus Infections, <i>D. L. Reynolds and S. L. Schultz-Cherry</i>	
Avian Paramyxoviruses 2–9, <i>D. J. Alexander and D. A. Senne</i>		Avian Enterovirus-Like Viruses, <i>J. S. Guy, M. S. McNulty and C. S. Hayhow</i>	
		Turkey Torovirus Infection, <i>D. L. Reynolds and A. Ali</i>	
4 Infectious Bronchitis	117	13 Viral Infections of Waterfowl	367
<i>D. Cavanagh and J. Gelb Jr.</i>		Introduction, <i>P. R. Woolcock</i>	
5 Laryngotracheitis	137	Duck Hepatitis, <i>P. R. Woolcock</i>	
<i>J. S. Guy and M. Garcia</i>		Duck Virus Enteritis (Duck Plague), <i>T. S. Sandhu and S. A. Metwally</i>	
6 Influenza	153	Hemorrhagic Nephritis Enteritis of Geese (HNEG), <i>J. L. Guérin</i>	
<i>D. E. Swayne and D. A. Halvorson</i>		Parvovirus Infections, <i>R. E. Gough</i>	
7 Infectious Bursal Disease	185		
<i>N. Etteradossi and Y. M. Saif</i>		14 Other Viral Infections	405
8 Chicken Infectious Anemia Virus and Other Circovirus Infections	209	Introduction, <i>Y. M. Saif</i>	
Introduction, <i>K. A. Schat and L. W. Woods</i>		Miscellaneous Herpesvirus Infections, <i>J. P. Duchatel and H. Vindevogel</i>	
Chicken Infectious Anemia, <i>K. A. Schat and V. L. van Santen</i>		Avian Nephritis, <i>T. Imada</i>	
Circovirus Infection of Pigeons and Other Avian Species, <i>L. W. Woods and K. S. Latimer</i>		Arbovirus Infections, <i>J. S. Guy and M. Malkinson</i>	
		Turkey Viral Hepatitis, <i>J. S. Guy</i>	
		Avian Encephalomyelitis, <i>B. W. Calnek</i>	
		Avian Hepatitis E Virus Infections, <i>X. J. Meng, H. L. Shivaprasad, and C. Payne</i>	

15	Neoplastic Diseases	449	22	Clostridial Diseases	865
	Introduction, <i>A. M. Fadly</i>			Introduction, <i>H. J. Barnes</i>	
	Marek's Disease, <i>K. A. Schat and V. Nair</i>			Ulcerative Enteritis (Quail Disease), <i>D. P. Wages</i>	
	Leukosis/Sarcoma Group, <i>A. M. Fadly and V. Nair</i>			Necrotic Enteritis, <i>K. Opengart</i>	
	Reticuloendotheliosis, <i>A. M. Fadly, G. Zavala and R. L. Witter</i>			Botulism, <i>J. E. Dohms</i>	
	Dermal Squamous Cell Carcinoma, <i>S. Hafner and M. A. Goodwin</i>			Gangrenous Dermatitis, <i>K. Opengart</i>	
	Multicentric Histiocytosis, <i>S. Hafner and M. A. Goodwin</i>		23	Other Bacterial Diseases	891
	Other Tumors of Unknown Etiology, <i>R. L. Reece</i>			Introduction, <i>H. J. Barnes</i>	
SECTION II: BACTERIAL DISEASES					
16	Salmonella Infections	619		Staphylococcosis, <i>C. B. Andreasen</i>	
	Introduction, <i>R. K. Gast</i>			Streptococcus and Enterococcus, <i>S. G. Thayer, W. D. Waltman, and D. P. Wages</i>	
	Pullorum Disease and Fowl Typhoid, <i>H. L. Shivaprasad and P. A. Barrow</i>			Erysipelas, <i>J. M. Bricker and Y. M. Saif</i>	
	Paratyphoid Infections, <i>R. K. Gast</i>			Avian Intestinal Spirochetosis, <i>D. J. Hampson and D. E. Swayne</i>	
	Arizonosis, <i>H. L. Shivaprasad</i>			Tuberculosis, <i>R. M. Fulton and S. Sanchez</i>	
				Other Bacterial Diseases, <i>H. J. Barnes and L. K. Nolan</i>	
17	Campylobacteriosis	675	24	Avian Chlamydiosis (Psittacosis, Ornithosis)	971
	<i>Q. Zhang</i>			<i>A. A. Andersen and D. Vanrompay</i>	
18	Colibacillosis	691	SECTION III: FUNGAL DISEASES		
	<i>H. J. Barnes, L. K. Nolan, and J-P Vaillancourt</i>		25	Fungal Infections, <i>B. R. Charlton, R. P. Chin, and H. J. Barnes</i>	989
	Coliform Cellulitis (Inflammatory Process), <i>J-P Vaillancourt and H. J. Barnes</i>			Introduction	
19	Pasteurellosis and Other Respiratory Bacterial Infections	739		Aspergillosis	
	Introduction, <i>J. R. Glisson</i>			Candidiasis (Thrush)	
	Fowl Cholera, <i>J. R. Glisson, C. L. Hofacre, and J. P. Christensen</i>			Dermatophytosis (Favus)	
	Riemerella anatipestifer Infection, <i>T. S. Sandhu</i>			Dactylariosis	
	Ornithobacterium rhinotracheale Infection, <i>R. P. Chin, P. C. M. van Empel, and H. M. Hafez</i>			Sporadic Fungal Infections	
	Bordetellosis (Turkey Coryza), <i>M. W. Jackwood and Y. M. Saif</i>			Histoplasmosis	
20	Infectious Coryza and Related Bacterial Infections	789		Cryptococcosis	
	<i>P. J. Blackall and E. V. Soriano</i>			Zygomycosis (Phycomycosis)	
21	Mycoplasmosis	805		Macrorhabdosis (Megabacteria)	
	Introduction, <i>S. H. Kleven</i>		SECTION IV: PARASITIC DISEASES		
	Mycoplasma gallisepticum Infection, <i>D. H. Ley</i>		26	External Parasites and Poultry Pests	1011
	Mycoplasma meleagridis Infection, <i>R. P. Chin, G. Y. Ghazikhanian, and I. Kempf</i>			<i>N. C. Hinkle and L. Hickle</i>	
	Mycoplasma synoviae Infection, <i>S. H. Kleven and N. Ferguson-Noel</i>		27	Internal Parasites	1025
	Mycoplasma iowae Infection, <i>J. M. Bradbury and S. H. Kleven</i>			Introduction, <i>L. R. McDougald</i>	
	Other Mycoplasmal Infections, <i>S. H. Kleven and N. Ferguson-Noel</i>			Nematodes, <i>T. A. Yazwinski and C. A. Tucker</i>	
				Cestodes and Trematodes, <i>L. R. McDougald</i>	
			28	Protozoal Infections	1067
				Introduction, <i>L. R. McDougald</i>	
				Coccidiosis, <i>L. R. McDougald and S. H. Fitz-Coy</i>	
				Cryptosporidiosis, <i>L. R. McDougald</i>	
				Cochlosoma anatis Infection, <i>A. J. Bermudez</i>	
				Histomoniasis (Blackhead) and Other Protozoan Diseases of the Intestinal Tract, <i>L. R. McDougald</i>	
				Miscellaneous and Sporadic Protozoal Infections, <i>A. J. Bermudez</i>	

SECTION V: NONINFECTIOUS DISEASES

29	Nutritional Diseases	1121
	<i>K. C. Klasing</i>	
30	Developmental, Metabolic, and Other Noninfectious Disorders	1149
	<i>R. Crespo and H. L. Shivaprasad</i>	
31	Mycotoxicoeses	1197
	<i>F. J. Hoerr</i>	
32	Other Toxins and Poisons	1231
	<i>R. M. Fulton</i>	

SECTION VI: OTHER DISEASES

33	Emerging Diseases and Diseases of Complex or Unknown Etiology	1261
	Introduction, <i>Y. M. Saif</i>	
	Multicausal Respiratory Diseases, <i>S. H. Kleven</i>	
	Multicausal Enteric Diseases, <i>D. L. Reynolds</i>	
	Hypoglycemia-Spiking Mortality Syndrome of Broiler Chickens, <i>J. F. Davis</i>	
	Proventriculitis and Proventricular Dilatation of Broiler Chickens, <i>S. Hafner, M. A. Goodwin, J. S. Guy,</i> <i>and M. Pantin-Jackwood</i>	

	<i>Index</i>	1279
--	--------------	------

12th Edition

Diseases of Poultry