Diseases of POULTRY

Poultry disease diagnosis is an art, involving critical investigation approaches, application of scientific knowledge and further confirmation of the disease. This book consists of all the practical aspects of the common poultry diseases seen in our country. In particular ,emphasis is made to create healthy flocks rather than to treat the birds.Much more importance is given to diagnose the diseases in the field based on pathagonomonic lesions

The book contains :

Avian Physiology Immune System of Domestic Fowl Genetic Resistance to Poultry Diseases Transmission of Diseases Microbes–Secondary in Poultry Disease Poultry Disease Investigation New Castle Disease Fowl Pox Infectious Laryngeotrachitis Infectious Bronchitis Infectious Bursal Disease (Gumboro Disease) Mareks Disease Lymphoid Leucosis Avian Influenza Avian Encephalomyelitis Avian Reovirus Egg Drop Syndrome Chicken Anaemia Inclusion Body Hepatitis Hydropericardial Hepatitis Salmonellosis Pullorum Disease Fowl Typhoid Fowl Cholera E-coli Infectious Coryza Avian Tuberculosis Chronic Respiratory Disease Protozoan Infection-Coccidiosis Ectoparasites Endoparasites Mycotic Disease Mycotoxicosis Nutritional Deficiency Diseases Vaccines and Vaccination Disinfectants and Disinfestants Hatchery Sanitation Quality of Chicks Farm Hygiene Water Hygiene Role of Water in Poultry Production Adulteration in Poultry Feed Hazards of Ammonia in Poultry Farm Hazards of Excess Moisture in Poultry Farm Litter Management Poultry Management in Summer Poultry Management in Winter Noise Management in Poultry.

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in our country. Accordingly control measures are proposed to suit our condition. Most important pathogonomonic lesions commonly seen here are reproduced. Still continuous updating of the technical information is necessary to make perfect diagnosis.

I hope students, industry people and research scholars will be immensely benefited by this simple document.

Author

Chennai
28-7-2010

Contents

Chapter-1

Introduction

Infectious disease is the result of the invasion of a host by a pathogenic organism. The continued survival of infectious agents with or without the induction of disease depends on their successful transmission to a susceptible host, the instigation of an infection therein and replication of the agent to maintain the cycle of infection.

The three critical factors which favour the transmission of infection include:

- Characteristics of hosts
- Characteristics of pathogens
- Effective contact

A host's susceptibility and infectiousness determine its ability to transmit the infection. Susceptibility to infection should be limited to a single species or group of species. Susceptibility within a species should vary markedly and will be associated with selection of genetically resistant animals following exposure to an infectious agent.