

Diagnosis of Poultry Diseases by Post-mortem
Examination at Upazilla Veterinary Hospital, Mirsarai



A Clinical Report

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CHITTAGONG VETERINARY AND ANIMAL SCIENCES UNIVERSITY

KHULSHI, CHITTAGONG-4225

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A Clinical Report submitted as per approved style and content

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ABSTRACT

A cross-sectional study was conducted to determine the common poultry diseases at Upazilla Veterinary Hospital (UVH), Mirasarai of Chittagong district of Bangladesh. The study was undertaken during the period of February to March 2018. Sick or dead birds were collected from UVH where the farmers brought their birds for diagnosis. A total of 79 sick/dead birds from different commercial poultry farms were examined. Tentative diagnosis was made on the basis of clinical history, clinical findings and post-mortem lesions. Among the bird examined, 61 was broiler and 18 was layer. In broiler, the amount of Infectious Bursal Disease, Newcastle Disease, Colibacillosis, Coccidiosis, Omphalitis, Aspergillosis, Visceral Gout and Salmonellosis was 31.2%, 24.6%, 13.1%, 11.5%, 9.9%, 4.9%, 3.3% and 1.7% respectively. In relation to the age of broiler, the highest number of cases was recorded in the age group of > 21 days (40.9%), followed by the age group of 15-21(29.6%), 0-7 (16.4%) and 8- 14 days (13.1%). On the other hand in layer, the percentage of Infectious Bursal Disease, Newcastle Disease, Colibacillosis, Coccidiosis, Omphalitis, Aspergillosis, Visceral Gout and Salmonellosis was 16.7%, 11.1%, 16.7%, 11.1%, 11.1%, 5.6%, 5.6% and 22.2% respectively. According to the different age groups of layer, the highest number of cases was recorded in grower period (38.89%), followed by the age group of layer period (33.3%) and pullet period (27.8%). The prevalence of Infectious Bursal Disease (31.1%) was higher in broiler in comparison to layer (16.7%). On the other hand, the prevalence of Salmonellosis was significantly ($P<0.05$) higher in layer (22.2%) compared to broiler (1.6%). The study found out that the poultry diseases situation in the broiler and layer industry at Mirsarai Upazilla in Chittagong district is unsatisfactory.

Key words: Poultry diseases, Prevalence, Broiler, layer Postmortem lesions, Age.