**Comparative Study on Newcastle Disease and Infectious Bursal Disease in Chicken Submitted to Upazilla Livestock Office,**

**Bogra Sadar**

# Veterinary Logo

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# A CLINICAL REPORT SUBMITTED

# BY

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Intern ID: A-07

Roll No: 09/14

Registration No: 425

Session: 2008-2009

**Report presented in partial fulfillment for the degree of Doctor of Veterinary Medicine (DVM).**

**Chittagong Veterinary and Animal Sciences University**

**Khulshi, Chittagong-4225**

**January 2015**

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***Approved as to style and content by***

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**ABSTRACT**

The study was conducted on 123 chickens submitted to Upazila Veterinary Hospital, Bogra sadar for the detection of Newcastle disease (ND) and infectious bursal disease (IBD) during the period of 9th February to 8th April 2014. On the basis of history and postmortem examination findings, the prevalence of ND and IBD was 8.13% and 23.58%, respectively. The morbidity was 6.19% and 3.69% in ND and IBD, respectively. The mortality of ND and IBD was 4.00% and 2.009%, respectively. The main pathological lesions observed in this study were pin pointed hemorrhage in proventricular gland, thickness of proventriculus wall, hemorrhage in duodenun incase of ND and hemorrhages on thigh and brest muscles; inflamed, edematous, hyperemic and haemorrhagic bursa of fabricious in IBD. The study also showed that the chickens of more than 30 days old and chickens within 15-30 days old were highly susceptible to ND (27%) and IBD (44%), respectively.

**Key words:** Chicken, Newcastle disease, Infectious bursal disease, Prevalence, Bogra sadar.

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