**Prevalence of Infectious Bursal Disease (IBD) in Small Scale Commercial Broiler Farms in Ramu, Cox’s Bazar, Bangladesh**

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**A Clinical Report Submitted By**

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**Session: 2011-2012**

A Clinical report presented in partial fulfillment of the requirements for the Degree of Doctor of Veterinary Medicine (DVM) under faculty of veterinary medicine.

**CHITTAGONG VETERINARY AND ANIMAL SCIENCES UNIVERSITY**

**Khulshi, Chittagong-4225**

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**Table of contents**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chapter** | **Contents** | | **Page No** |
|  | Abstract | | v |
| Chapter 1 | Introduction | | 1 |
| Chapter 2 | Methods and Materials | | 2-4 |
|  | 2.1 | Study area | 2 |
| 2.2 | Study period | 2 |
| 2.3 | Study design | 2 |
| 2.4 | Data collection | 2-3 |
| 2.5 | Statistical analysis | 3 |
| 2.6 | Diagnosis of IBD by clinical and Post-mortem examination | 3 |
| Chapter 3 | Results | | 6-9 |
|  | 3.1 | Diagnosis of IBD | 6 |
| 3.2 | Overall prevalence of IBD in selected farm | 6 |
| 3.3 | Prevalence of IBD infection in different age group | 6 |
| 3.4 | Prevalence of IBD infection according to vaccination status | 6 |
| 3.5 | Prevalence of IBD infection according to bio-security status | 6 |
| 3.6 | Prevalence of IBD infection in relation to study areas | 7 |
| Chapter 4 | Discussion | | 10-11 |
|  | Conclusion | | 12 |
|  | Limitations and recommendations | | 12 |
|  | Acknowledgements | | 13 |
|  | References | | 14-15 |
|  | Biography | | 16 |

**List of figures**

|  |  |  |
| --- | --- | --- |
| **Figure no.** | **Name of the figure** | **Page no.** |
| 1 | Clinical signs and Post-mortem lesions for IBD | 8 |
| 1(a) | Whitish and watery diarrhoea | 8 |
| 1(b) | Swollen, gelatinous bursa | 8 |
| 1(c) | Swollen hemorrhagic bursa | 8 |
| 1(d) | Hemorrhagic swollen bursal fold | 8 |
| 1(e) | Swollen kidney | 8 |
| 1(f) | Duodenum full with mucus | 8 |

**List of tables**

|  |  |  |
| --- | --- | --- |
| **Table no** | **Name of the table** | **Page no** |
| 1 | Overall prevalence of *IBD*  infection in broiler in Ramu upazilla | 11 |
| 2 | Prevalence of IBD infection in broiler at Ramu upazilla for different variables | 12 |

**List of Chart**

|  |  |  |
| --- | --- | --- |
| **Table no** | **Name of the chart** | **Page no** |
| 1 | Frequency and percentage of prevalence of IBD infection in broiler in different unions of Ramu upazilla | 11 |

**Abstract**

Sixty broiler chickens from sixty different small scale farms of Ramu upazilla under Cox’s bazar district were studied for one month from 1st March to 1st of April 2017 to determine the prevalence of Infectious bursal disease (IBD). On the basis of clinical history and post-mortem lesions, the overall prevalence of IBD in Ramu upazilla was 23.33% whereas highest prevalence was observed in Rajarkul union (40%). The major necropsy lesions were observed in the bursa of Fabricious which appeared inflamed, edematous, swollen and finally hemorrhagic and atrophied. Birds of age group 20-35 days were highly susceptible to IBD (33.33%) followed by age group 10-19 days (15.79%) and 1-9 days (0.00%). The effect of vaccination against IBD was found highly significant as the prevalence of IBD in non-vaccinated and vaccinated birds were 80% and 4.44% respectively. Strong statistical correlation (*P*=0.018) was observed between insufficient bio-security and IBD infection in broiler farms.

**Key words:** Broiler , IBD, Post-mortem, Prevalence, Ramu upazilla, Small scale farms.