**Proportionate prevalence of clinical diseases and conditions recorded in Central Veterinary Hospital (CVH), Dhaka, Bangladesh**



**Submitted By:**

**Towhida Kamal**

Roll No: 12/04

Reg. No: 00716

Intern ID: A-04

Session: 2011-2012

*A clinical report submitted to partial satisfaction of the requirements for the degree of* ***Doctor of Veterinary Medicine***

**Faculty of Veterinary Medicine**

**Chittagong Veterinary and Animal Sciences University**

**Khulshi , Chittagong-4225, Bangladesh.**

November, 2017

**Proportionate prevalence of clinical diseases and conditions recorded in Central Veterinary Hospital (CVH), Dhaka, Bangladesh**



**Approved by:**

…………………………………………………………….

**Dr. Md. Rayhan Faruque**

**Professor**

Department of Medicine and Surgery

**Chittagong Veterinary and Animal Sciences University**

**Khulshi, Chittagong-4225, Bangladesh**

November, 2017

**Contents**

|  |  |  |
| --- | --- | --- |
| **Chapter** | **Topic** | **Page No** |
|  | List of Tables | **IV** |
|  | Abstract | **V** |
| **I** | Introduction | **1-2** |
| **II** | Materials and Methods | **3-4** |
| **III** | Results & Discussion | **5-12** |
| **IV** | Limitations | **13** |
| **V** | Conclusion | **14** |
| **VI** | References | **15-16** |
| **VII** | Acknowledgements | **17** |
|  | Biography | **18** |

**List of Tables**

|  |  |  |
| --- | --- | --- |
| **Table** | **Title** | **Page** |
| **Table 1** | Overall prevalence of clinical diseases and conditions of pet animals (Dog, cat and rabbit) | **6** |
| **Table 2** | Sex and age-wise distribution of clinical diseases and conditions of pet dog at CVH | **7** |
| **Table 3** | Proportional prevalence of clinical diseases and conditions of pet dog in relation to breed | **9** |
| **Table 4** | Demographic distribution of clinical diseases and conditions of pet cat at CVH | **10** |
| **Table 5** | | Demographic distribution of clinical diseases and conditions of pet rabbit attended in CVH | **12** |

**Abstract**

This study was undertaken to estimate the proportionate prevalence of clinical diseases and conditions in pet animals (dog, cat, and rabbit) attended at Central Veterinary Hospital (CVH) Fullbaria, Dhaka, Bangladesh. A total of 403 cases of different clinical diseases and conditions were recorded during the study period from January 2017 to September 2017. Among them the overall proportional prevalence of clinical diseases and conditions in dog, cat and rabbit were 45.40%, 33.99% and 20.24% respectively. The medicinal case comprises the highest percentage of diseases as 78.14% and 36.50% in dog and cat, respectively. Among the medicinal cases parasitic diseases were most frequently encountered both in dog (21.86%) and cat (13.87%). Whereas, prevalence of surgical cases were 15.30% in dog and 30.65% in cat and gynecological cases were 6.56% in dog and 1.45% in cat. In rabbit, the prevalence of mange was 36.14% followed by traumatic injuries and fractures 16.86%. The parasitic cases were highest in all of the clinical diseases and conditions. So, proper prevention and therapeutic management should be taken to reduce the prevalence of parasitic diseases of pet animals. Immunoprophylaxis or vaccination and hygienic management should be performed to curb the infectious diseases. Further extensive epidemiologic, laboratory or molecular studies are also needed for the appropriate prevention and control measures of diseases and conditions of pet animals in study area.

**Keywords:** Dog, cat, rabbit, prevalence, clinical diseases, Central veterinary Hospital, Bangladesh.