

TABLE OF CONTENTS

CONTENTS	PAGE NO.
LIST OF TABLES.....	ii
LIST OF GRAPHS.....	ii
LIST OF FIGURES	iii
LIST OF ABBREVIATIONS.....	iii
ACKNOWLEDGEMENTS.....	iv
ABSTRACT.....	v
CHAPTER 1	
INTRODUCTION.....	1-3
CHAPTER 2	
MATERIAS AND METHODS	4-5
2.1 Study area.....	4
2.2 Study period and population	4
2.3 Study method	4
2.4 Data compilation.....	5
2.5 Data analysis.....	5
CHAPTER 3	
RESULTS.....	6-17
CHAPTER 4	
DISCUSSION.....	18-19
CHAPTER 5	
CONCLUSION.....	20
CHAPTER 6	
LIMITATIONS	20
REFERENCES.....	21-22
BIOGRAPHY.....	23

LIST OF TABLES

TABLES NO.	CONTENTS	PAGE NO.
Table 1	According to sex percentages of cattle and goat	9
Table 2	According to species percentages of bird	9
Table 3	Systemic distribution of diseases in cattle according to age and sex	10
Table 4	According to age and sex distribution of diseases and disorders in goat	12
Table 5	According to age and species distribution of diseases and disorders in bird	14
Table 6	According to Species distribution of particular diseases and disorders in bird	16

LIST OF GRAPHS

GRAPHS NO.	CONTENTS	PAGE NO.
Graph 1	Systemic distribution of diseases in cattle according to age	11
Graph 2	Systemic distribution of diseases in cattle according to sex	11
Graph 3	Systemic distribution of diseases in goat according to age	13
Graph 4	Systemic distribution of diseases in goat according to sex	13
Graph 5	Systemic distribution of diseases in bird according to age	15
Graph 6	Systemic distribution of diseases in bird according to species	15
Graph 7	Particular diseases and disorders in bird according to species	17

LIST OF FIGURES

FIGURES NO.	CONTENTS	PAGE NO.
Figure 1	Clinical Sign of diseases and disorders in cattle <ul style="list-style-type: none"> • Dermoid cyst • Arthritis • Knuckling • Atresia ani • Wound dressing • Pink eye 	6
Figure2	Clinical Sign of diseases and disorders in goat <ul style="list-style-type: none"> • Alopecia • Peste des petits Ruminant (PPR) • Fibrous osteodystrophy • Hypomagnesemic tetany • Mastitis • Mammactomy • Fracture management • Dystocia management 	7
Figure 3	Clinical sign of diseases & disorders in bird <ul style="list-style-type: none"> • Avian influenza in chicken • Duck plague • Newcastle Disease in pigeon • Pigeon pox 	8

LIST OF ABBREVIATIONS

ABBREVIATIONS	ELABORATION
DVH	District Veterinary Hospital
et al.	And his associates

ACKNOWLEDGEMENTS

The author is ever grateful and indebted to the Almighty God without whose grace it would have ever been possible to pursue this study in this field of science and to complete this clinical report writing for the Degree of Doctor of Veterinary Medicine (DVM).

The author would like to express her deep sense of gratitude and thanks to Professor **D. Goutam Buddha Das**, Vice Chancellor, Chittagong Veterinary and Animal Sciences University.

The author would like to express her deep sense of gratitude and heartfelt appreciation to **Professor Md. Abdul Halim**, Dean, Faculty of Veterinary Medicine, Chittagong Veterinary and Animal Sciences University.

The author would like to express ever indebtedness, deepest sense of gratitude, sincere appreciation and profound regards to her reverend and beloved teacher and Supervisor, **Professor Dr. Md Yousuf Elahi Chowdhury**, Department of Medicine & Surgery, Chittagong Veterinary And Animal Sciences University for his scholastic guidance, sympathetic supervision, valuable advice, constant inspiration, affectionate feeling, radical investigation and constructive criticism in all phases of this study.

The author highly expresses her sincere gratitude and gratefulness to the internship Coordinator, **Professor Dr. A.K.M. Saifuddin**, Director, External Affairs, Chittagong Veterinary and Animal Sciences University., for his constant inspiration, cordial co-operation, valuable suggestion for completion of the report work.

The author would like to express her heartfelt appreciation & thanks to **Dr. Zakir Hossain** Veterinary Surgeon, Upazilla Veterinary Hospital, Comilla, for his kind cooperation during the study period.

The Author

OCCURRENCE OF DISEASES AND DISORDERS IN DIFFERENT LIVESTOCK SPECIES REPORTED IN DVH, COMILLA

ABSTRACT

The study was conducted to investigate the occurrence of diseases and disorders in different livestock species at district veterinary hospital (DVH), Comilla. The study was performed for the month of March, 2017. The recorded clinical cases were categorized into six major diagnostic groups like gastrointestinal disorders, respiratory diseases, infectious diseases, skin diseases, surgical cases and reproductive problems. Categorized groups were analyzed according to age and sex. In case of cattle and goat age of the animal were sub categorized into < 1 year, 1 to 2 year and 2 to 4 years of old. For bird diseases were categorized by age and species for chicken, duck, quail, pigeon, and turkey. From this study, 309 clinical cases were recorded in different species where 99 cases (32%) were cattle; 87 (28%) goat; 122 (39.4%) bird. Each of the clinical case was diagnosed on the basis of history, clinical, paraclinical and physical examination and findings. Parasitic infections were recorded as the highest occurrence (14%) of which cattle of 2-4 years (9%) were dominating among aged group in compare to other age group of cattle (5%) and female cattle (9%) were prone among sex group than male (7%). In goat, the highest occurrence was in surgical cases (8%) in which castration (7%) was higher in percentage in the age group of <1 year of goat and infectious diseases (13%) were highly susceptible in goat of <1 year of age (11%) in compare to other age group (2%) goat. In bird among all infectious diseases (25%) bird of <1 year of age was higher in percentage (17%) than >2 year old bird (3%). From this study, we also found pigeon (12%) were more susceptible to the infectious diseases compare to other birds like chicken (7%), duck (4%), quail (0.3%) and turkey (0.6%). Among all infectious diseases pigeon pox (18%) was dominating followed by Newcastle Diseases (16%). To the best of our knowledge, this is the first investigation of occurrence of diseases in livestock species in DVH, Comilla. The findings of this study may will help to take necessary steps for disease management and control programme like vaccination and deworming for the control and prevention of diseases in this area. Further detail investigation is recommended.

Keywords: Diseases and disorders, Occurrence, DVH