|  |  |
| --- | --- |
| CONTENTS | PAGE NO |
| LIST OF CONTENTS | i-ii |
| LIST OF TABLES | iii |
| LIST OF FIGURES | iii |
| LIST OF PLATES | iii |
| ACKNOWLEDGEMENT | iv |
| ABSTRACT | v |
| CHAPTER i : INTRODUCTION | 1-4 |
| CHAPTER ii : REVIEW OF LITERATURE | 5-15 |
| **Gastrointestinal parasitism in pig**  2.1 Epidemiology  2.1.1 Factors affecting the size of gastrointestinal infection.  2.2 Diagnosis of gastrointestinal parasitism  2.3 Prevalence of gastrointestinal parasitism |  |
| **CHAPTER III : MATERIALS AND METHODS** | 16-18 |
| 3.1 Description of study area and duration  3.2 Selection of animals and survey design  3.2.1 Target animal and age groups  3.2.2 Target sampling  3.3 Sample collection and preservation  3.4 Examination of sample  3.5 Statistical analysis |  |
| **CHAPTER IV: RESULTS** | 22-24 |
| 4.1 Overall infection rate of gastrointestinal parasites.  4.2 Sex specific percentage of gastrointestinal parasitic infections. |  |
| **CHAPTER V: DISCUSSION** | 25-28 |
| 5.1 Prevalence of gastrointestinal parasitic infections in pig.  5.1.1 Overall prevalence of gastrointestinal parasitic infections.  5.1.2 Sex specific prevalence of gastrointestinal parasitic infection.  5.2 Limitation of the study. |  |
| CHAPTER VI: CONCLUSION | 29 |
| CHAPTER VII: REFERENCE | 30-34 |

**List of Tables**

|  |  |  |
| --- | --- | --- |
| **Tables** | **Topics** | **Page no.** |
| Table 1 | Overall infection rate of gastrointestinal parasitic infections | 22 |
| Table 2 | Sex wise prevalence of gastrointestinal parasitic infection | 24 |

**List of Figures**

|  |  |  |
| --- | --- | --- |
| **Figure** | **Topics** | **Page no.** |
| Figure 1 | Location of Study Area | 16 |
| Figure 2 | Design Experimental (at a glance) | 18 |
| Figure 3 | Prevalence of different parasites in the study population | 23 |

**List of Plate**

| **Figure** | **Topics** | **Page no.** |
| --- | --- | --- |
| Plate i | Collection of faecal sample from pig and examine under microscope | 19 |
| Plate II | Microscopic pictures of gastrointestinal parasitic eggs of pig. (During the study) | 20 |
| Plate III | Microscopic pictures of oocyst, some unidentified larvae. (During the study) | 21 |

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**Abstract**

A cross-sectional study was undertaken to determine the prevalence of gastrointestinal parasitic infestation of pig in Chittagong division, Bangladesh. Fecal samples were collected randomly from 100 pigs between May and August 2013 and examined by routine coproscopical methods. The investigation revealed that the overall prevalence of gastrointestinal parasitic infections was 49% in the study population. Among different gastrointestinal parasitic infections, occurrence *Oesophagostomum dentatum* infection was the highest which was 17% in study population. The second most common parasitic infection was caused by *Ascaris suum* (11%) followed by *Balantidium coli* (7%). The lowest parasitic infections were also recorded for *Hyostrongylus rubidus* (4%)coccidian oocyst *(*4%*) Trichuris suis* (3%) and *Strongyloides ransomni* (3%)*.* However, sex specific prevalence exposed that female pig showed more susceptibility to different gastrointestinal parasitic infections. Occurrence of *Hyostrongylus rubidus* and *Balantidium coli* were found predominant in female pigs than male pigs. On the other hand, occurrence of *Ascaris suum* was slightly higher in male group than female but it was not statistically significant (P>0.05). It could be stated that the current investigation was fresh of its type which will be acted as bench mark for further study in this area. Moreover, as it was a limited study where breed and topographical variation, seasonal pattern of the diseases were not included. Hence, it was suggested further extensive investigation on gastrointestinal parasitism to overcome the limitations of the current study which will assist to determine the important predictors related to such parasitic diseases.

**Key words**: Prevalence, Pig, Gastrointestinal parasitic infestation.