Determination of infectious and non infectious diseases of goats in some selected areas of rangpur district

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**ABBREVIATIONS**

|  |  |
| --- | --- |
| **Abbreviations** | **Elaboration** |
| PPR | Peste des Petits Ruminants |
| GDP | Gross Domestic Product |
| NGO | Non Government Organization |
| GI | Gastrointestinal |
| DLS | Department of Livestock Services |
| GT | Grand Total |
| i.e. | that is |
| km | kilometer |
| ºC | Degree Celsius |
| ºF | Degree Fahrenheit |
| N | North |
| E | East |
| n | Number of cases |
| BB | Black Bangle goat |
| JM | Jumnapari goat |
| FMD | Foot and Mouth Disease |
| IBD | Infectious Bursal Disease |
| ND | Newcastle Disease |

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Abstract

A study was undertaken to determine the infectious and non infectious diseases of goat. The data was collected by questionnaire survey in Kaunia upazilla and Clinical records of livestock that brought to the District Veterinary hospital, Rangpur for treatment. In Kaunia upazilla, a total of 808 livestock species were recorded through questionnaire survey from eight villages. Of them only 38% (n=302) were goat species and rest are other livestock species. Only 7% of livestock were vaccinated and dewormed in Kaunia upazilla. There are significant difference in association of vaccination and deworming with different breeds (p-value < 0.05).But non significant difference in association of vaccination and deworming with sex (p-value > 0.05).The major causes of goat mortality in Kaunia caused by PPR, Pneumonia and Diarrhoea. PPR was 18.33% in kid , 35% in growing goat,42.43% in adult female and 46.22% in adult male respectively. Pneumonia causes death in kid about 40.83%, growing goat 30%,adult female15.15% and adult male 20.75% respectively. Due to diarrhea 27.5% kid, 20% growing goat, 20.20% adult female and 14.15% adult male were died respectively.

 A total of 1320 livestock were presented in district veterinary hospital for treatment;

Of them, goat was 56%(n=732) in 1st and cattle 35% (n=454) was in 2nd position. A total of 732 goats; of them male 314 and female 418 were presented in district veterinary hospital for treatment. The cases of goat were infectious disease 84.41%(n=618) and non-infectious disease 15.59%(n=114) respectively. The result showed that PPR was in highest position among overall goat diseases.The Sex wise prevalence among infectious diseases, PPR ranked highest in male 16.12%(n=118) and in female Diarrhoea 16.25%(n=119).Among non-infectious diseases, overall in first position was Myiasis, in male 3.27%(n=24) & female 3.41%(n=25) respectively. However, regular deworming, vaccination and improvement of husbandry practices are suggested to improve the goat rearing in Bangladesh.

**Key words:** Questionnaire survey, Clinical records, Goat, Disease prevalence, Vaccination and Deworming, PPR, Pneumonia, Diarrhoea, Infectious disease, Non-infectious disease, Husbandry practice.

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