

PREVALENCE OF PESTE DES PETITS RUMINANTS (PPR) IN GOAT AND THEIR RESPONSE TO ANTIBIOTIC TREATMENT AT GANGACHARA UPAZILA OF RANGPUR DISTRICT

Joydeb Kumar Mohanto¹, Md. Fazlul Hoque², Mst. Sogra Banu Juli^{3*}, Subrota Kumer Pramanik⁴

*Corresponding author E-mail: julivetmed@gmail.com

ARTICLE INFO

Article Type: Research

Received: 18, Sep. 2018.

Accepted: 16, Oct. 2018.

Published: 16, Oct. 2018.

Keywords:

Peste des petits ruminants, Goat, Prevalence, Combined antibiotic, Vaccination

ABSTRACT

A study was carried out at Upazila Veterinary Hospital, Gangachara, Rangpur, Bangladesh during 1st January to 30th April, 2018. A total number of 975 diseased goats were examined of which 412 (42.26%) Peste Des Petits Ruminants (PPR) cases were diagnosed based on history, clinical signs and physical examinations. High fever, nasal and ocular discharge, rapid and labored breathing, mouth lesion and diarrhoea were the common findings during clinical examination of PPR patients. Black Bengal goat was more susceptible (43.83%) than Jamunapari (29.63%). On the basis of sex, female goats were more susceptible (45.96%) than male goats (38.81%) to PPR disease. 7-12 months aged group of goats were more prone (48.45%) to PPR compare to other aged group (≤ 6 month of age, 13-18 month of age and ≥ 19 month of age). Non-vaccinated (50.27%) goats were more susceptible than vaccinated (17.30%) goats. Parental (I/M) combined antibiotic of Gentamicin, Sulphadimidine and Trimethoprim was more effective (72%) than Oxytetracycline (68%) and Sulphadimidine -NA (40%) along with symptomatic treatment.

¹ Joydeb Kumar Mohanto, Former MS Student, Department of Medicine, Surgery and Obstetrics, Hajee Mohammad Danesh Science and Technology University, Dinajpur-5200, Bangladesh.

² Md. Fazlul Hoque, Professor, Department of Medicine, Surgery and Obstetrics, Hajee Mohammad Danesh Science and Technology University, Dinajpur-5200, Bangladesh.

³ Mst. Sogra Banu Juli, Assistant Professor, Department of Medicine, Surgery and Obstetrics, Hajee Mohammad Danesh Science and Technology University, Dinajpur-5200, Bangladesh.

⁴ Subrota Kumer Pramanik, Former MS Student, Department of Crop Physiology and Ecology, Hajee Mohammad Danesh Science and Technology University, Dinajpur-5200, Bangladesh.