HISTOPATHOLOGICAL CHARACTERIZATION OF SPONTANEOUS MAMMARY NEOPLASIA IN DOGS IN KOLKATA (INDIA)

Sunit Kumar Mukhopadhyay¹, Debasish Niyogi², Subha Ganguly³, Indrajit Kar⁴, Indira Paul⁵

ABSTRACT

Mammary tumor is a common pathological condition in non-spayed female dogs. It may be fatal, if there is metastasis in the vital organs. Accurate and timely diagnosis of the neoplasm is important in defining treatment and prognosis of the disease. The present study is focussed on the histopathological characterization of different forms of spontaneous mammary neoplasia, identified from detectable carcinomatous growths, in the mammary glands in bitches, presented at various veterinary clinics/hospitals in Kolkata, West Bengal (India) during 1989-90. These were fibroadenoma, cystic adenocarcinoma, adenocarcinoma-infiltrating type, adenocarcinoma-tubular type, and squamous cell carcinoma-epidermoid type. The victims were female dogs in middle age, ranging between 7 and 13 years. There was no earlier report on the incidence of squamous cell carcinoma in dogs in Kolkata (India).

KEY WORDS

Bitch, Kolkata, Histopathology, Mammary neoplasm

Author attribution: ¹Professor and Head, ²PhD Scholar, Department of Veterinary Pathology, ³PhD Scholar, Department of Veterinary Microbiology, Faculty of Veterinary & Animal Sciences, West Bengal University of Animal & Fishery Sciences, Kolkata, West Bengal, India - 700037, ²Assistant Professor, Department of Veterinary Pathology, College of Veterinary Science & Animal Husbandry, Narendra Deva University of Agriculture & Technology, Kumarganj, Faizabad, UP, India - 224229, ³PhD Scholar, Department of Veterinary Microbiology, Faculty of Veterinary Science & Animal Husbandry, Birsa Agricultural University, Ranchi, Jharkhand, India - 834006. ¹Corresponding author: skmpath@gmail.com