PERICARDIAL MESOTHELIOMA IN A DOG- A RARE CASE

Abid Ali Bhat, A. P. Nambi and K. Jeyaraja

Department of Veterinary Clinical Medicine, Ethics and Jurisprudence, MVC, Chennai-7

Mesotheliomas, which are of mesodermal origin, arise from the serosal lining of the body cavities and are rare tumours in dogs and cats. Diagnosis of mesothelioma is challenging because clinical signs are related to the exudation of fluid into the pericardial cavity rather than the development of a discrete mass. The present case report describes a rare pericardial tumor in a dog. A fourteen-year-old male spitz dog was presented with history of coughing, chronic dyspnoea and exercise intolerance. Physical, haematobiochemical, radiography, electrocardiography and echocardiographic examination were suggested. Pericardiocentesis was performed by using three way stop cock catheter and the dog was approached on right lateral side at 5th Intercostal space. Cell cytology and immunohistochemistry of pericardial effusion was performed by leishman-geimsa, H& E and Cytokeratin staining. Pericardiocentesis if performed properly is a safe and relatively easy procedure to relieve life-threatening cardiac tamponade associated with pericardial effusion. Echocardiography is a pivotal tool for the diagnosis and prognostication of pericardial neoplasia.