

Asymptomatic Congenital Lobar Emphysema in A Pekinese Dog

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Introduction: Congenital lobar emphysema (CLE) is a rare malformation of one or multiple lung lobes and has been rarely reported in dogs. CLE presents with overexpansion of a pulmonary lobe with resultant compression of the remaining ipsilateral lung. Clinical signs associated with CLE are apparent at between six weeks and five months of age and is rarely reported in adult dogs.

Material and methods: A 4-year-old intact male Pekinese (4.5kg) were examined for CLE. Major diagnostic test includes thoracic radiography, barium contrast study, echocardiography, thoracoscopy, and histological examination.

Results: Based on the diagnostic findings, the case was diagnosed as congenital lobar emphysema by bronchial cartilage aplasia in a dog.

Clinical relevance: This case study revealed diffuse alveolar emphysema which has never been reported in veterinary literature. This is the first report of asymptomatic CLE in dogs.

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