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Poster presentation

Neuromuscular involvement due to hypothyroidism in a Pekingese Mix Breed Dog

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Abstract

In this report, it is aimed to notify the neuromuscular involvement due to hypothyroidism in a Pekingese mix breed dog. Material and Method: The case consisted of a 7-year-old Pekingese mix breed dog who came to the clinic with a history of paralysis of the left side of his body. Biochemical and haematological examinations were performed. Brain MRI was performed for neurological findings. Hematologic examination revealed neutrophilia, biochemical examination revealed increased creatine kinase (CK) activity and decreased total T4 (<0.5 ug/dl). Infarction, bleeding and fluid accumulation was not detected on brain MRI. On physical examination, bradycardia (P: 52), left-sided hemiparesis, proprioceptive loss and reflex examinations were negative and there was no deep pain in the animal. Sodium levothyroxine at a dose of 0.02 mg/kg was started on the dog diagnosed with hypothyroidism because of total T4 level <0.5 ug/dl. On the 4th day of treatment, the patient started to stand up, walked completely after 45 days and the T4 level reached to the reference values (2.71 ug/dl). In this case report, it was concluded that hypothyroidism should be considered in cases accompanied by neurological findings.

Keywords: Hypothyroidism, dog, neural findings, Pekingese Mix Breed

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