

Appendicular Telangiectatic Osteosarcoma in a Dog

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Abstract

An appendicular telangiectatic osteosarcoma was diagnosed in an 8-year-old male dog, with forepaw swelling, slightly muscular atrophy of the right forelimb, and lameness. Apparent osteolysis in the physis and metaphysis of the right distal radius in radiographs and increased serum alkaline phosphatase activity were present. After elbow amputation, the diagnosis was confirmed by both histological and histochemical examination of the excised mass. There were various sized, blood-filled spaces lined by numerous multinucleated tumor giant cells and irregular islands of osteoid formed by malignant osteoblasts. These multinucleated tumor giant cells were also periodic acid-Schiff stain positive. This case is presented because of the rare incidence of telangiectatic osteosarcoma in nowadays clinical cases in Taiwan.

Key words: Dog, Distal radius, Telangiectatic osteosarcoma.

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