

Congenital vascular hamartoma of the gingiva in a calf

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Abstract

The aim of this study was to report the clinical and histopathological outcomes of a vascular hamartoma tumor of the gingiva in a calf and to evaluate the treatment results. A 3-month-old female Simmental calf was presented to the large animal surgery department of the Faculty of Veterinary Medicine, Shahid Chamran University, with a complaint of a mass in the region of the first lower incisor. The owner reported that the lesion had been present since birth and caused bleeding during feeding. Additionally, a small piece of the lesion had been torn off by the owner, resulting in severe bleeding. On clinical examination, an oval mass the size of a plum (30×20×5 mm) was observed on the surface of the lower incisors. The mass was attached to the gingiva and had pushed one of the incisors forward, displacing it out of alignment. After local anesthesia, the mass was completely removed using surgical excision. During the surgery, significant bleeding was observed, and it was found that there was a root of a deciduous tooth in the mass, which was extracted. The surgical area was closed with nylon sutures. Postoperatively, no feeding problems were observed in the calf. Based on histopathological examinations, the mass was identified as a vascular hamartoma. Gingival vascular hamartoma tumors are rare in cattle.

Key words: Congenital vascular hamartoma, Calf, Simmental breed, Pathology

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