

Management of Cutaneous Fistula of Tooth Origin in a Dog

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Introduction: Our purpose was to report tooth abscess and alveolar bone lysis at root of mandibular molar and treated by using synthetic bone graft in a dog.

Material and Method: A 6-year-old female, 7.2 kg body weight shih-tzu was referred to Chonbuk Animal Medical Center. Physical examination, complete blood count, serum chemistry, and radiography were performed. In physical examination, pain and cutaneous fistula of tooth origin were evident on left mandible. The complete blood count and serum chemistry findings were within reference ranges except increased alkaline phosphatase. Dental radiographic findings revealed apical tooth abscess and alveolar bone lysis at the root of mandibular molar.

Extraction of the affected tooth was performed. Consil® synthetic bone graft particulate was used for filling tooth extraction sites and replacing bone lost due to periodontal disease.

Result: Immunoreaction was not observed. Cutaneous fistular wound was completely healed two weeks later. One month later resorption of the synthetic bone was started and bone healing was observed. No post-treatment complications occurred.

Clinical relevance: The Consil® synthetic bone graft was observed to have minimum antigenicity and bone healing. It can be used in repair of osseous periodontal defects.

Key words: cutaneous fistula, tooth origin, synthetic bone, dog

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