

## Repair of the Oronasal Fistula Following the Chronic Periodontal Disease in Two Dogs

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Oronasal fistula is the communication between the oral and nasal cavities, and chronic oronasal fistula is usually related to canine tooth extraction or extraction of teeth with severe periodontal disease leading to direct communication with the nasal cavity.

A 12-year-old, male mixed dog with clinical signs of sneezing, periodontal disease, teeth loss and a 10-year-old, male Yorkshire terrier with teeth loss following the severe periodontal disease were presented to the Veterinary Teaching Hospital of Chonnam National University. These cases were diagnosed as oronasal fistula following the chronic periodontal disease by the oral examination and clinical signs. After aseptic surgical preparation, we repaired the oronasal fistula using the single-layer flap and modified double-layer flap method, respectively. The oronasal fistula following chronic periodontal disease was healed completely on several weeks after the surgery without any other complications.

To treat oronasal fistula caused by periodontal disease, the size of fistula is important for selection of surgical flap methods. And for prevention of oronasal fistula, periodic dental radiography and oral examination will helpful.

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