

Cutaneous Sinus Tract Occurred due to Orbital Foreign Body in a Cat

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Signalment: A 2-year-old neutered female Persian Chinchilla was presented with chronic recurrent cutaneous sinus tract in left infraorbital region that had been continued 6-month period.

Results: Blood analysis and thoracic radiography were within normal range. Dental radiography, performed on the left maxillary fourth premolar, reveals no periapical changes. However, linear and sharp edged radiopaque foreign body was shown above dorsal space of left maxillary third premolar teeth. On computed tomography, location of the foreign body was confirmed, that passed through the soft tissue from the ventral margin of left orbit to the larynx, not penetrate the globe. The area around the cutaneous sinus tract was clipped and incised laterally, and the origin was carefully explored via the skin incision. The foreign body, a needle, was removed under the guide of a digital C-arm fluoroscope, and the area was sutured with 4-0 nylon after the lavage with saline. Until 3 months later, there were no recurrence and other complications.

Clinical Relevance: Infraorbital cutaneous sinus tract was commonly considered as a symptom of periapical abscess. In this case, however, the sinus tract was occurred because of the foreign body, which was removed via small incision using the digital C-arm fluoroscope. This result suggested foreign body should be included within the considerable cause of infraorbital cutaneous sinus tract.

Key words: cutaneous sinus tract, foreign body, orbit, C-arm, cat??