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후궁성형술 후 발생한 관상
염증성 누공 1예



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Purpose: Patients with surgical site infections can develop abscesses along with inflammation, often requiring antibiotics or drainage procedures. This inflammation resolves as healing progresses, with the formation of granulation tissue in the surrounding area. However, to the best of our knowledge, cases of tubular inflammatory granulation tissue tracts extending from the surgical site to the skin are uncommon. We present a case of a patient with a history of surgical site infection following laminoplasty, who presented with a mass on the posterior neck two years after surgery.

Methods: A 42-year-old patient presented to our hospital with a mass on the posterior neck (Fig. 1). The patient underwent laminoplasty 2 years ago, with a history of surgical site infection leading to abscess formation. Symptoms improved following antibiotic treatment at that time. Ultrasonography revealed that the mass was connected to the C-spine area (Fig. 2). Magnetic resonance imaging confirmed multiple tubular inflammatory tracts extending from the C-spine to the mass (Fig. 3). We excised the mass and a portion of the tracts, and histological examination confirmed inflamed granulation tissue.

Results: The wound healed without complications and the patient was satisfied with the outcome (Fig. 4).

Conclusion: This case emphasizes the rare occurrence of tubular tract formation after surgery, highlighting the need to identify uncommon post-surgical inflammatory responses. This suggests that lesions appearing as simple masses may require imaging to assess the internal characteristics if there is a history of surgical site infection.



Fig 1. Preoperative gross photography before excision



Fig 2. Ultrasonography showing the lesion is connected to the C-spine.

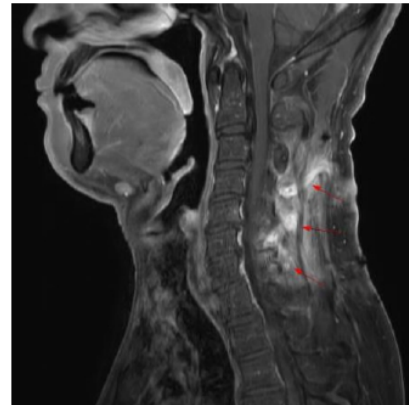


Fig 3. Preoperative magnetic resonance imaging (MRI). T1 sagittal view of contrast enhanced neck MRI showing multiple tubular inflammatory tracts and granulomas.



Fig 4. Postoperative gross photography after 3 months of surgery