



## PATIENT PRESENTING CLINICAL SIGNS

**Bella Dean** Presented last night, for fairly acute swelling on the Right submandibular and neck area. FNA performed and grossly, was bloody, viscous fluid. cytology analysis was not performed. is mostly outdoor and chases squirrels but no known h/o trauma/wounds.

## SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: PE: unremarkable PE except for moderate periodontal disease; 10x10 cm firm attached swelling on R ventral mandible. swelling is not warm or painful. Pt vitals wnl. LAB: hw neg; mono H .37, mpv H 14.3, glob H 4.6, plt L 94K, rbc H 9.4, hct H 62.0%, hgb H 21.5. Overall, lab consistent with mild hemoconcentration, inflammatory and/or stress response.

## BREED

Shepherd Mix

## COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain and post contrast studies are available for review.

## SEX COMPUTED TOMOGRAPHIC FINDINGS

FS

The CT study reveals an ill-defined cavitory lesion in the right submandibular soft tissues measuring ~ 8 cm x 6 cm. The lesion is adjacent to the right parotid and mandibular salivary glands as well as adjacent to the right sublingual salivary gland. Thick peripheral rim enhancement, multiple soft tissue septations and a large amount of fluid attenuating contrast negative content are seen. Evidence of calcifications or a mineralized material is not seen at the time of the examination.

## AGE

4yr

The right submandibular and retropharyngeal lymph nodes are mildly enlarged with uniform contrast enhancement.

## INTERPRETED BY

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

Extensive fat stranding is seen in the right submandibular tissues circumferential to the cavitory lesion.

No osseous destruction of the mandible hyoid apparatus or adjacent skull structures is seen.

The nasal cavities, tympanic bullae and orbits, are unremarkable.

## HOSPITAL NAME

Neel Veterinary  
Hospital

## COMPUTED TOMOGRAPHIC DIAGNOSIS

- Large cavitory right submandibular mass with thick capsule, multiple septations and a large amount of fluid content.
- Reactive regional lymphadenopathy

## REFERRING VET

Dr Ellen Domnick

## INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

## INVOICE

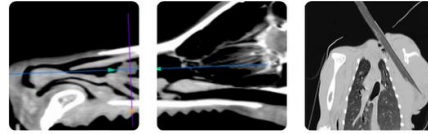
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The CT findings are compatible with a chronic inflammatory granulomatous process such as complex sialocele of the right mandibular or sublingual salivary glands. The findings do not suggest neoplasia.

The glandular anatomy of the adjacent parotid, mandibular and sublingual salivary glands is within normal limits with the exception of their mild enlargement. The enlarged lymph nodes are considered reactive.

## DATE

10/31/2025



**PATIENT**

Bella Dean

Histopathology of the lesion along with pending C/S could be considered to completely exclude differential diagnoses such as neoplasia, granuloma or other even though these are considered highly unlikely based on the CT presentation which strongly suggests complex chronic sialocele.

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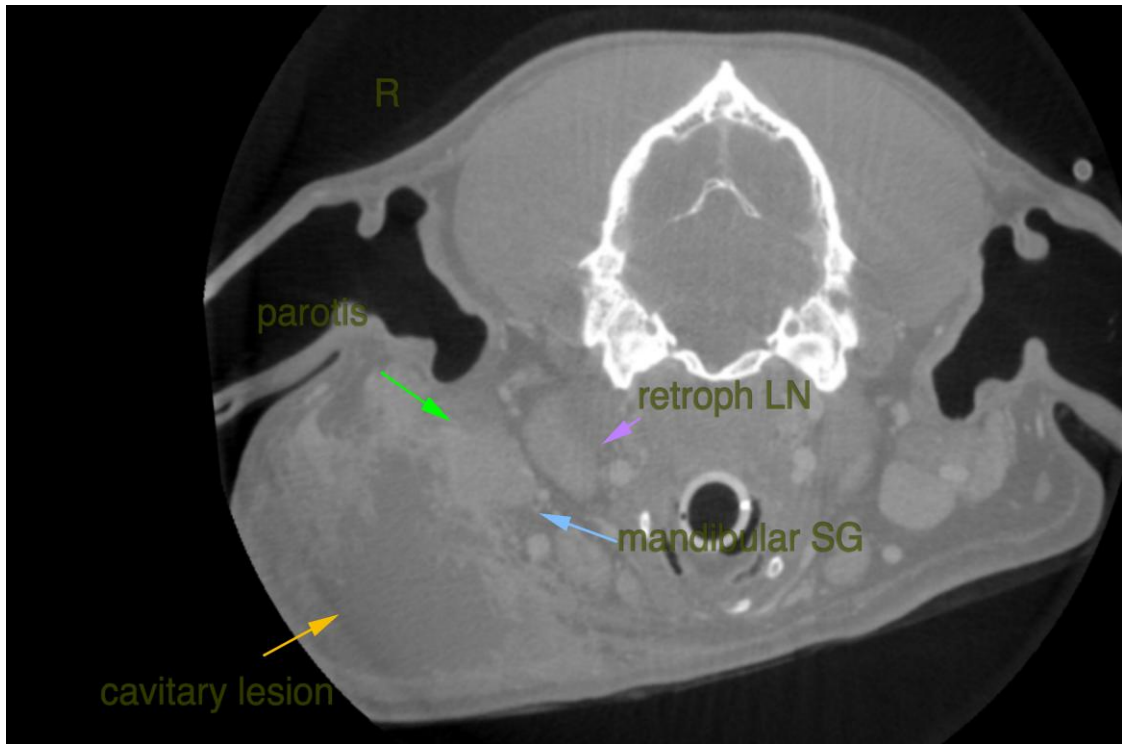
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

**REFERRING VET**

Dr Ellen Domnick

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