



## PATIENT

Bandit Tracy

## SPECIES

Canine

## BREED

German Shepherd Mix

## SEX

Neutered Male

## AGE

7 Years

## WEIGHT

62 Pounds

## INTERPRETED BY

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

## IMAGING PERFORMED BY

Sativa

## HOSPITAL NAME

Petroglyph AH

## REFERRING VET

Dr. Alice Ku

## INVOICE

35465

## DATE

1/16/26

## PRESENTING CLINICAL SIGNS

History: Patient has had 4 abscess on the right side of the mouth/head that had caused eyelids to swell shut and drooling since August 2025.

Abnormal PE/Chem/CBC/UA Results: Bloodwork: high BUN 56, hyperglobulinemia 4.9 and high ALP 251

## COMPUTED TOMOGRAPHIC STUDY OF THE SKULL

A high-resolution post-contrast CT study of the skull is provided for review.

## COMPUTED TOMOGRAPHIC FINDINGS

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

In the subcutaneous tissue at the lateral aspect of the right masseter muscle, a diffuse soft tissue swelling with a hypoattenuating center is seen, measuring approximately 2.4 x 1.0 x 2.6 cm.

In the rostral aspect of the right temporal muscle, medial to the ramus of the right mandible, a diffuse contrast enhancing zone with an irregular shaped hypoattenuating center is seen. The ramus of the right mandible presents moth eaten osteolytic lesions. The right ocular bulb is mildly deviated rostrally.

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits, but a small amount of soft tissue material in the most medial aspect of the ear canals.

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

The right mandibular lymph nodes, right parotid lymph node and the right medial retropharyngeal lymph node are prominent.

## COMPUTED TOMOGRAPHIC DIAGNOSIS

- Myositis and cavitation rostral segment right temporal muscle
- Osteitis ramus right mandible
- Secondary right sided mild exophthalmos
- Small subcutaneous swelling with central cavitation right buccal region
- Lymphadenopathy right regional lymph nodes of the skull
- Suspect cerumen in ear canals – otoscopy can be performed for confirmation

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS



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The CT findings are consistent with retrobulbar abscess formation in the rostral segment of the right temporal muscle and secondary osteitis of the ramus of the right mandible – preceding perforating trauma or migrating foreign body are likely causes. No foreign material is appreciated in the post contrast series and workup can be complemented by an ultrasound examination to screen for foreign material. Surgical drainage of the abscess is beneficial.

The subcutaneous swelling in the right buccal region is suggestive for localized cellulitis ± abscess or granuloma formation.



**The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

**Sebastian Schaub**, DVM, Dr. med. vet. DipECVDI  
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