



**PATIENT**

Pepper Wolfe

**PRESENTING CLINICAL SIGNS**

Concern for a tumor in the nasal cavity due to sneezing blood and having nose bleeds.

**SPECIES**

Canine

**COMPUTED TOMOGRAPHY OF THE SKULL**

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

**BREED**

Old English Sheepdog

**COMPUTED TOMOGRAPHIC FINDINGS**

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

**SEX**

Spayed Female

Centered on the caudal third of the nasal septum, a uniform soft tissue attenuating and heterogeneous moderate contrast enhancing amorphous mass is visible bulging into both nasal cavities, R>L, and extending caudodorsally into the frontal sinuses. Advanced destruction of the associated turbinate and conchal structures is visible. The associated parts of the nasal & maxillary bone bilaterally and the ethmoid bone present permeative osteolytic lesions and the mass is perforation the osseous lining into the subcutaneous tissue dorsal at the nose. Extensive destruction of the cribriform plate is visible, and the mass is bulging into the rostral fossa cranii with mass effect on the brain.

**AGE**

10 Years, 2 Months

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

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

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.

The cranial pole of the right medial retropharyngeal lymph node is prominent with mild heterogeneous contrast enhancement pattern.

**HOSPITAL NAME**

Neel Veterinary  
Hospital

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Biologically aggressive nasal soft tissue neoplasia with polyostotic aggressive osteolytic lesions of the associated osseous structures and perforation of the cranial fossa with mass effect on the brain.
- Lymphadenopathy right medial retropharyngeal lymph node

**REFERRING VET**

Dr. Deepan Kishore

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The findings are consistent with a biologically aggressive soft tissue neoplasia originating from the nasal cavity and differentials include adenocarcinoma, squamous cell carcinoma, osteosarcoma, transitional cell carcinoma, round cell tumor, other. If not done so yet, rhinoscopy with FNA sampling and biopsy can be used for further definition. The CT Adam tumor grade is IV. The chances of palliative radiation therapy might be discussed with oncologist. Due to perforation of the cranial fossa, neurological clinical signs such as seizure activity can develop.

**INVOICE**

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**DATE**

9-4-21

The odds for metastatic spread to the right medial retropharyngeal lymph node are high.

Consider full tumor staging.



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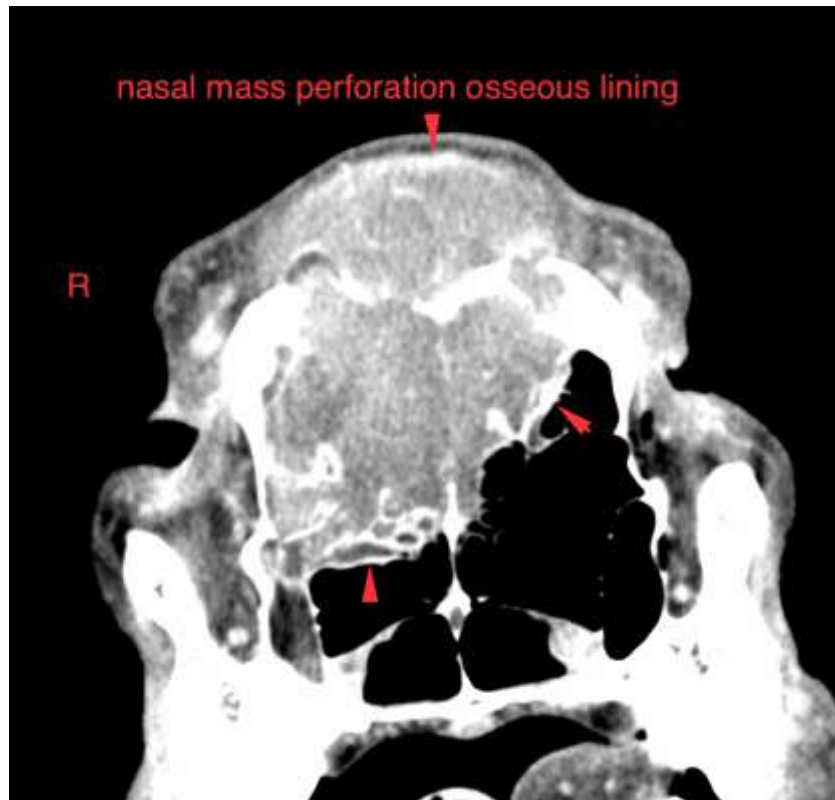
Spayed Female

**AGE**

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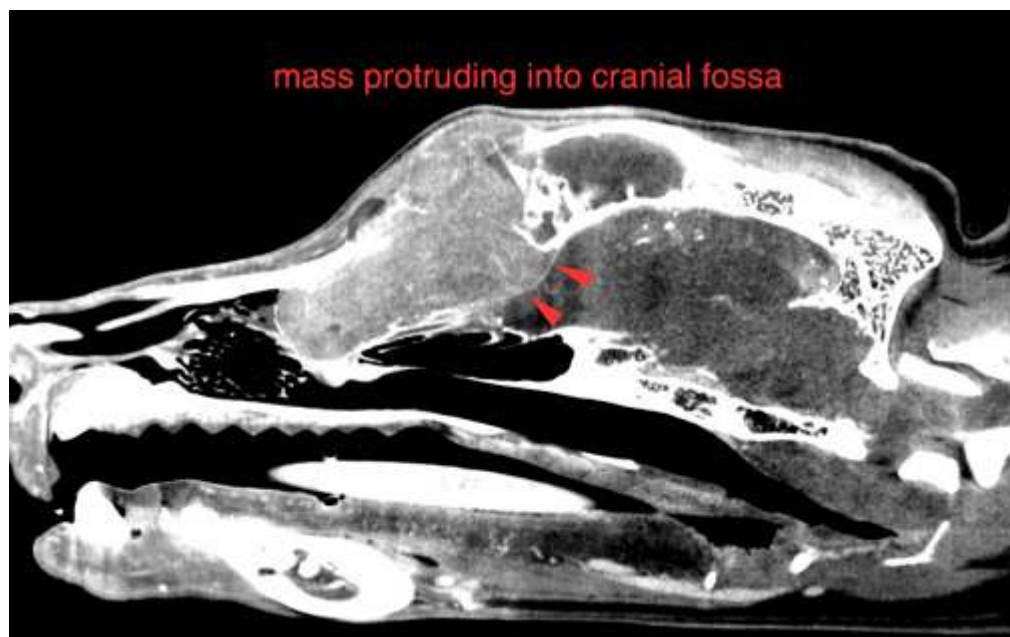
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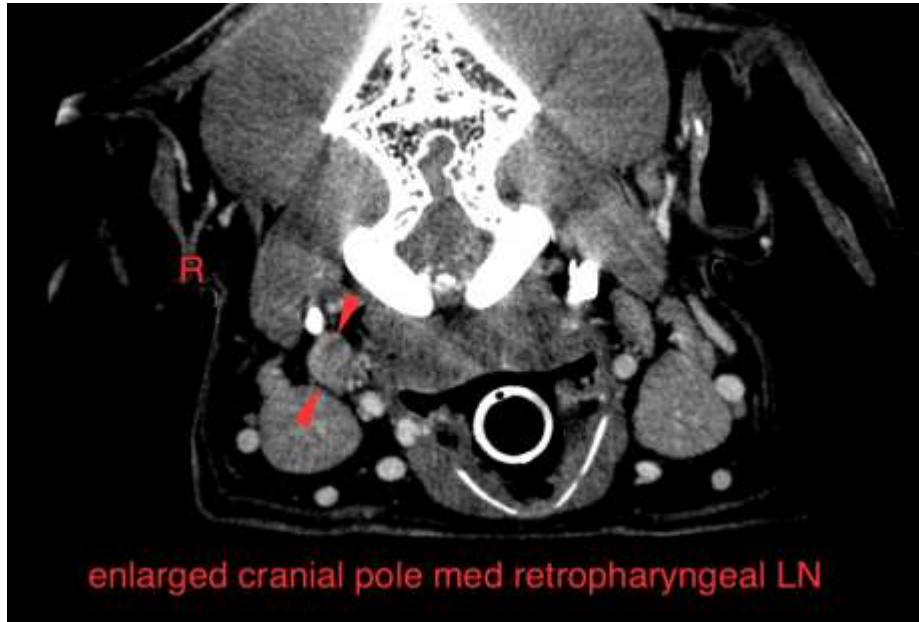
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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