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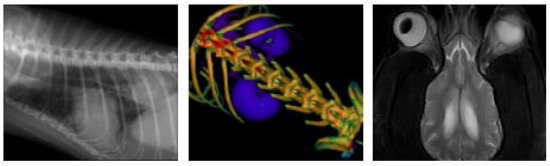

PATIENT

Penny Patterson

SPECIES

Canine

BREED

Pointer Mix

SEX

FS

AGE

13

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

HOSPITAL NAME

Animal Medical Center of Mt. Pleasant

REFERRING VET

Brooke Fenamore, VMD

INVOICE

57418

DATE

3-23-23

PRESENTING CLINICAL SIGNS

Chronic Nasal discharge

COMPUTED TOMOGRAPHY OF THE SKULL

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

COMPUTED TOMOGRAPHIC FINDINGS

The tooth elements 102, 104, 108-110, 204, 301, 302, 305, 310, 401, 402, 410 are absent. The distal root of triadan 309 and 409 present a moderate widened periodontal space. Multiple teeth present a loss of the periodontal space and resorptive lesions of the root.

The right nasal cavity is obliterated by expansile, uniform soft tissue attenuating and moderate contrast enhancing material. The nasal septum is mildly deviated to the left and the nasal mass is perforating the caudoventral segment of the nasal septum, protruding into the left ventral nasal meatus. The horizontal & perpendicular plate of the right palatine bone present aggressive osteolytic lesions and the mass is bulging into the ventral aspect of the right orbital cavity. The presphenoid bone presents permeative osteolytic lesions, level with the mass. Caudally the nasal mass is obliterating the choana.

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.

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 mandibular lymph nodes are prominent.

At the caudal aspect of the right medial retropharyngeal lymph node, a roundish, peripheral contrast enhancing structures is partially included within the field of view.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Expansile right nasal soft tissue mass with polyostotic aggressive osteolytic lesions of the right palatine and presphenoid bone, perforating the right orbital cavity
- Mild lymphadenopathy mandibular lymph nodes
- Possible soft tissue mass caudal to the right medial retropharyngeal lymph node
- Periodontal disease 309 & 409
- Multiple absent teeth

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The right nasal mass is consistent with primary nasal neoplasia, the mass is extending into the right orbital cavity. Differentials include adenocarcinoma, squamous cell carcinoma, transitional cell carcinoma, lymphosarcoma, other. Rhinoscopy including biopsy can be used as advanced diagnostic tests. Based on the results of the advanced diagnostic tests, the chances of radiation therapy can be discussed with oncologist. The Adam tumor stage is T3.

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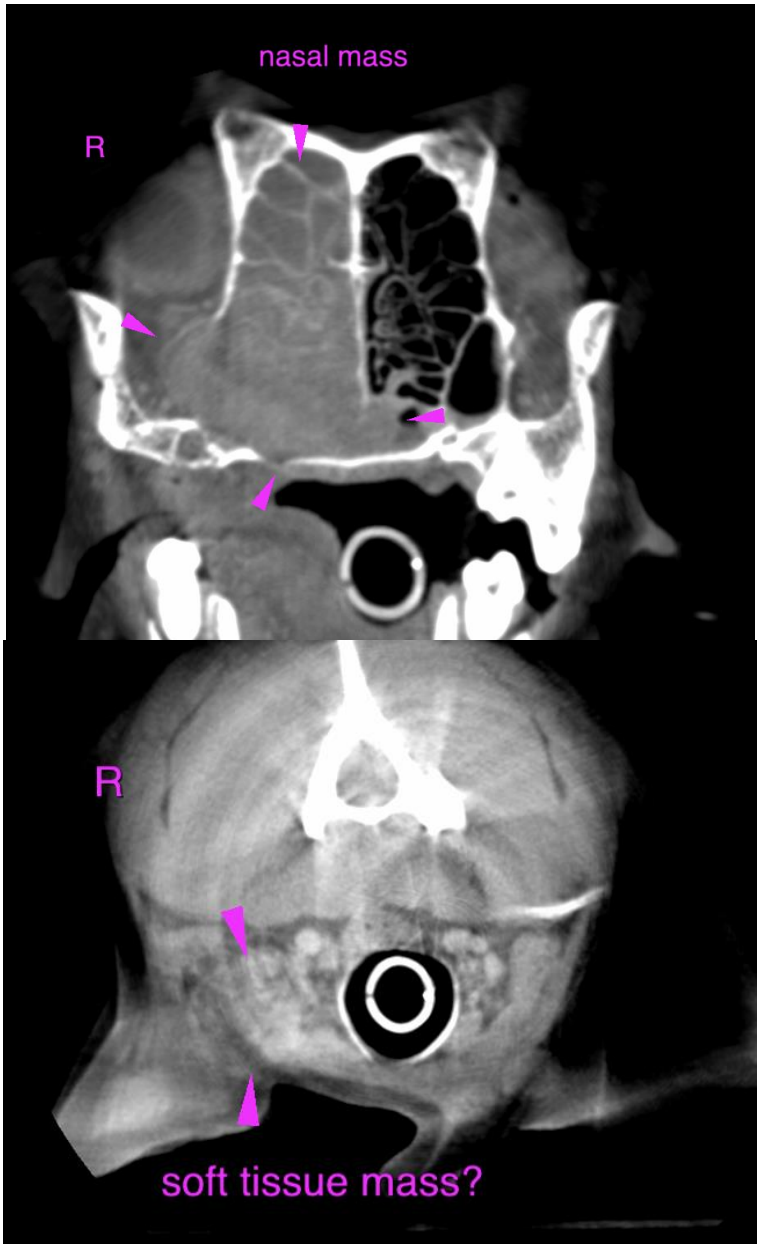
Check the neck, as there appears to be a soft tissue mass partially included within the field of view, just caudal to the right medial retropharyngeal lymph node – such as a thyroid mass, lymphadenopathy.

Recommend full tumor staging including FNA sampling of the mandibular lymph nodes.



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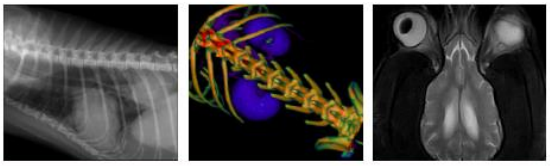

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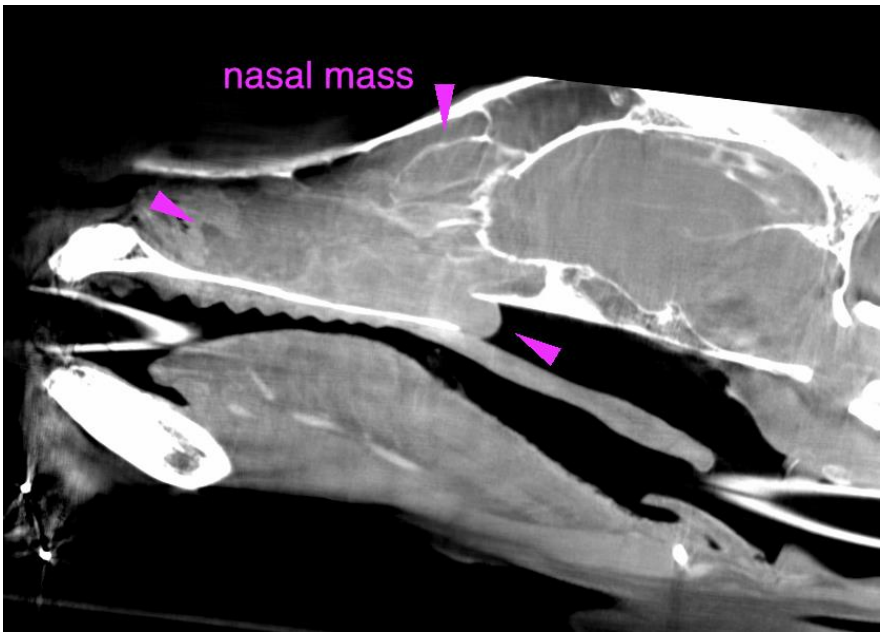

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
sebast.schaub@gmail.com