



PATIENT PRESENTING CLINICAL SIGNS

Lilly Bee L epistaxis with mucoid discharge but no facial deformity noted. rule out --Neoplasia/Mass, Retained maxillary tooth root, Chronic Rhinitis
 Abnormal PE/Chem/CBC/UA Results: BG high (pet is diabetic), WBC 24.5, BUN 43, Chloride 112, TCO2 24

Feline COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

A pre and post-contrast studies of the head are provided for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

DSH A large, extensive mass effect fills the left nasal cavity with associated hypoattenuating fluid accumulation and severe loss of turbinate architecture and a consequent shift of the nasal septum to the right side. Multifocal lysis is also seen at the left side of the nasal cavity and retrobulbar adjacent bones. The affected bone is the orbital plate of the ethmoidal bone. In addition, severe hyperostosis of the left frontal sinus is noted. The left frontal and sphenoidal sinuses are filled with hypoattenuating fluid material. Multifocal lysis of the cribriform plate is seen, more left side. No meningeal enhancement on the olfactory bulb. Mild fluid accumulation on the choana and nasopharynx is noted.

SEX FS
 AGE 16 Multiple absent teeth, specially at the maxillary arcade, including the triadans 104 and 204. Misshape and retained root of the triadan 108, small fragment retained root of the triadan 208. The maxillary incisive, triadans 101, 102, 103, 201, 202, and 204 are irregular and misshaped. Severe horizontal and vertical bone loss along the present teeth is seen.

INTERPRETED BY The tympanic bullae are air-filled; however, a polypoid soft tissue mass effect is seen in the proximal portion of the left auditory canal. The remainder of the auditory canal wall is normal.

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

The retrobulbar spaces and globes are intact.

No mass effect is seen in the brain.

HOSPITAL NAME The temporomandibular joints are bilaterally congruent.

Advanced Animal Imaging

The medial retropharyngeal lymph nodes are asymmetrical. The left retropharyngeal lymph node is thickened with homogeneous enhancement and measures 0.45cm thickened. The right retropharyngeal lymph node measures 0.26cm thickened.

REFERRING VET The right mandibular lymph nodes are enlarged in comparison to the contralateral, the major lymph node measures approximately 0.9cm x 0.56 cm.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Large left sided nasal and frontal mass effect with multifocal periorbital lysis, cribriform interruption, destructive turbinate lesions, and ipsilateral frontal hyperostosis. The differential diagnosis includes chronic destructive fungal rhinitis and sinusitis, other differential includes a neoplastic process.
- Severe periodontal disease adjacent the remainder teeth, multiple absent teeth. Differential diagnosis concurrent secondary osteomyelitis to periodontitis, feline tooth resorption disease. Remainder root fragment of the triadans 108 and 208.

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- PATIENT**
- Polypoid structure at the left auditory canal, differential diagnosis concurrent external otitis.
 - Moderate left sided retropharyngeal and mandibular lymphadenopathy, reactive or metastatic.

Lilly Bee

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES Severe chronic left sided destructive rhinitis, sinusitis, and mass effect are seen. The differential diagnosis includes fungal rhinitis, and concurrent bacterial, nasal neoplasm should be considered because an overlap exists between neoplasia and destructive rhinitis. Nasal flush biopsy is suggested for confirmation.

Feline

BREED An otoscopy exam is suggested for better analysis of the left sided external auditory canal.

DSH

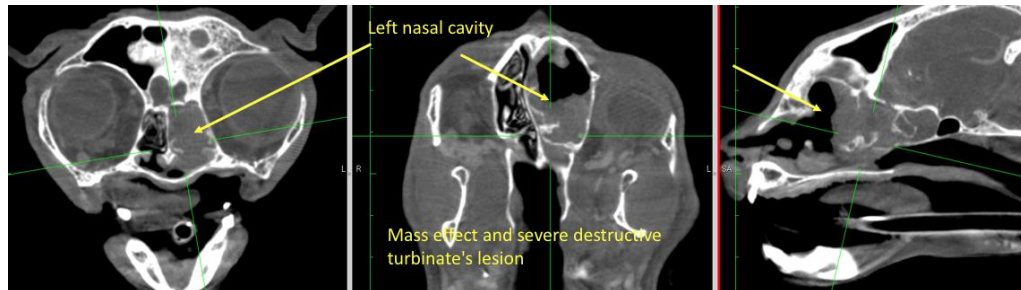
Correlate the dental findings with oral exam.

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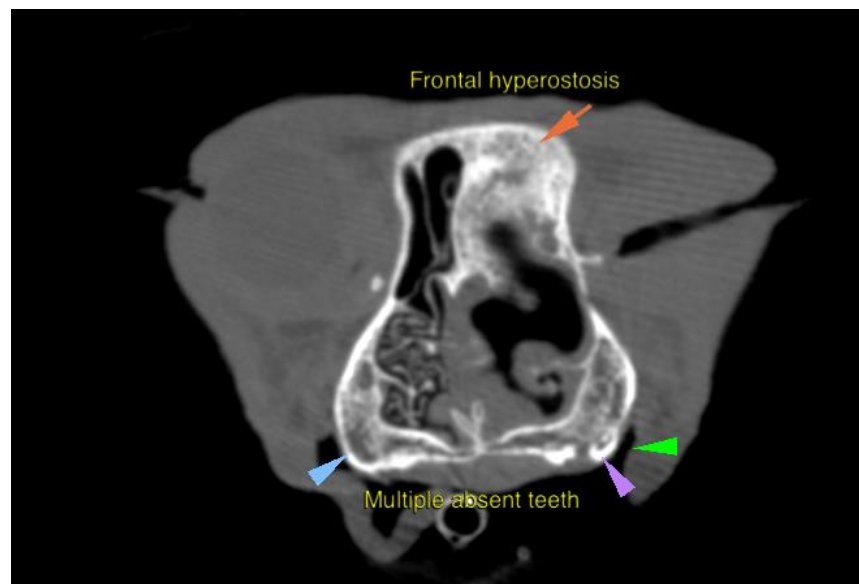
Tilde Rodrigues Froes,
DMV, MSc., Dr. Med
Vet., Dipl. CBraRVet

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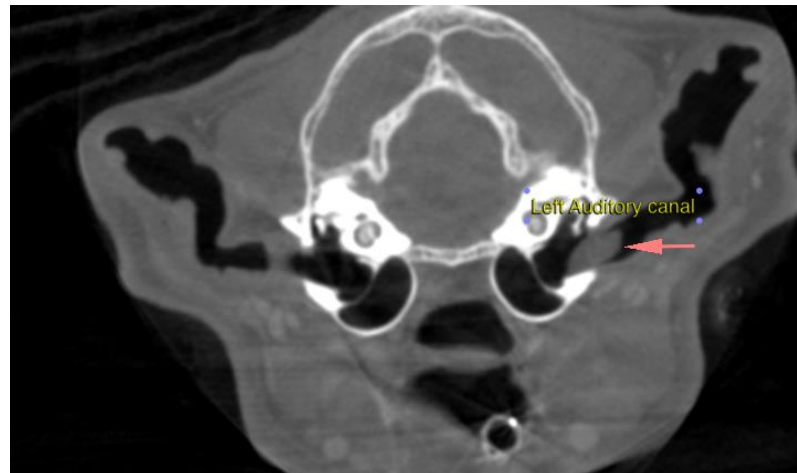
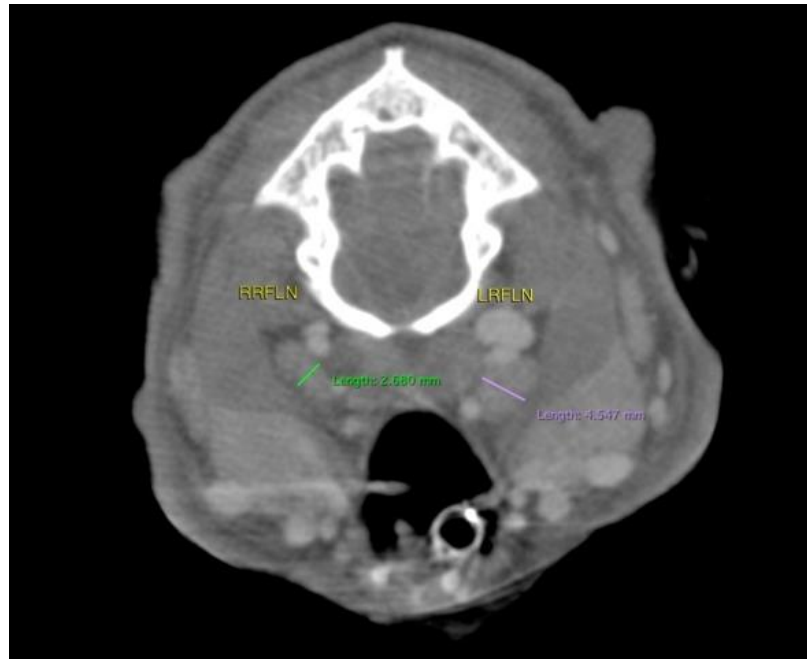
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PATIENT The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.
Lilly Bee

SPECIES 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.

Feline
Tilde Rodrigues Froes, DMV, MSc., Dr. Med.Vet., Dipl.CBraRVet
info@sonopath.com

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DMV, MSc., Dr. Med
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