



PATIENT PRESENTING CLINICAL SIGNS

Binx Villani
Sudden onset vestibular syndrome with history of chronic URI for the last several weeks, with no improvement on antibiotic therapy. Oropharyngeal exam reveals a cleft distal soft palate and severe malformation of the oropharynx and choanae. No polyp noted. Patient moved to the scanner and pre and post contrast images obtained.

SPECIES
Abnormal PE/Chem/CBC/UA Results: Deformed/cleft soft palate on sedated oral exam, with firm swelling palpated on right side, but no polyps seen.

Feline

COMPUTED TOMOGRAPHY OF THE SKULL

BREED

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

Purebred Main Coon

COMPUTED TOMOGRAPHIC FINDINGS

SEX

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

Intact Male

Mild to moderate destruction of the nasal conchal & turbinate structures is noted and a mild amount of fluid attenuating material is attached to the nasal mucosal lining. Evaluation of the soft palate is limited by the distortion caused by the enlarged tympanic bullae – there is a cleft in the most caudal aspect.

AGE

6 Months

Both tympanic bullae are filled with soft tissue attenuating material and the osseous lining is significantly thickened and smooth. The bilateral hyperostosis of the tympanic bullae is distorting and narrowing the nasopharynx by the mass effect. The external ear canals are within normal limits.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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

HOSPITAL NAME

Southern Oregon
Veterinary Specialty
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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 submandibular and medial retropharyngeal lymph nodes are prominent, uniform soft tissue attenuating and contrast enhancing.

REFERRING VET

Ravi Seshadri

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Chronic otitis media with significant hyperostosis of the osseous lining and secondary stenosis of the nasopharynx by the enlarged tympanic bullae
- Mild destructive rhinitis
- History of cleft of the caudal margin of the soft palate
- Lymphadenopathy mandibular and medial retropharyngeal lymph nodes

INVOICE

51324

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

DATE

4-3-22

The main finding from the CT study is the chronic otitis media with marked expansile hyperostosis of the wall of both tympanic bullae – the latter causes stenosis of the nasopharynx potentially – the otitis media can be a sequela to chronic upper airway infection. A potential for the advanced changes of the tympanic bullae can be fibrous dysplasia – rare entity. The



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destructive rhinitis can be triggered by altered function by the cleft in the soft palate and the narrowing of the nasopharynx by the enlarged tympanic bullae. Primary viral rhinitis ± bacterial superinfection is a classical cause for destructive rhinitis in feline patients as well.

SPECIES

Feline

Recommend surgical management of the cleft in the soft palate. Consider discussing the chances of bilateral ventral bulla osteotomy and resection of parts of the medial wall of at least one the tympanic bulla to decrease the mass effect on the nasopharynx with surgeon.

BREED

Purebred Main Coon

Secondary reactive hyperplasia of the tributary lymph nodes of the skull.

SEX

Intact Male

AGE

6 Months

INTERPRETED BY

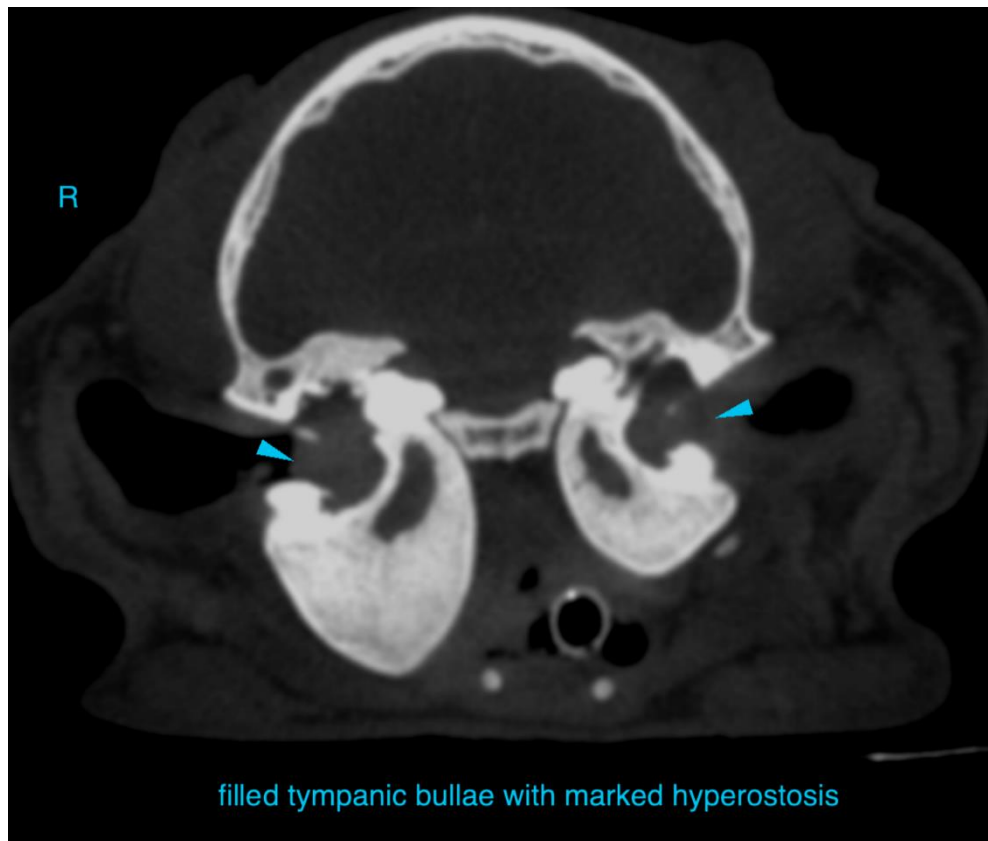
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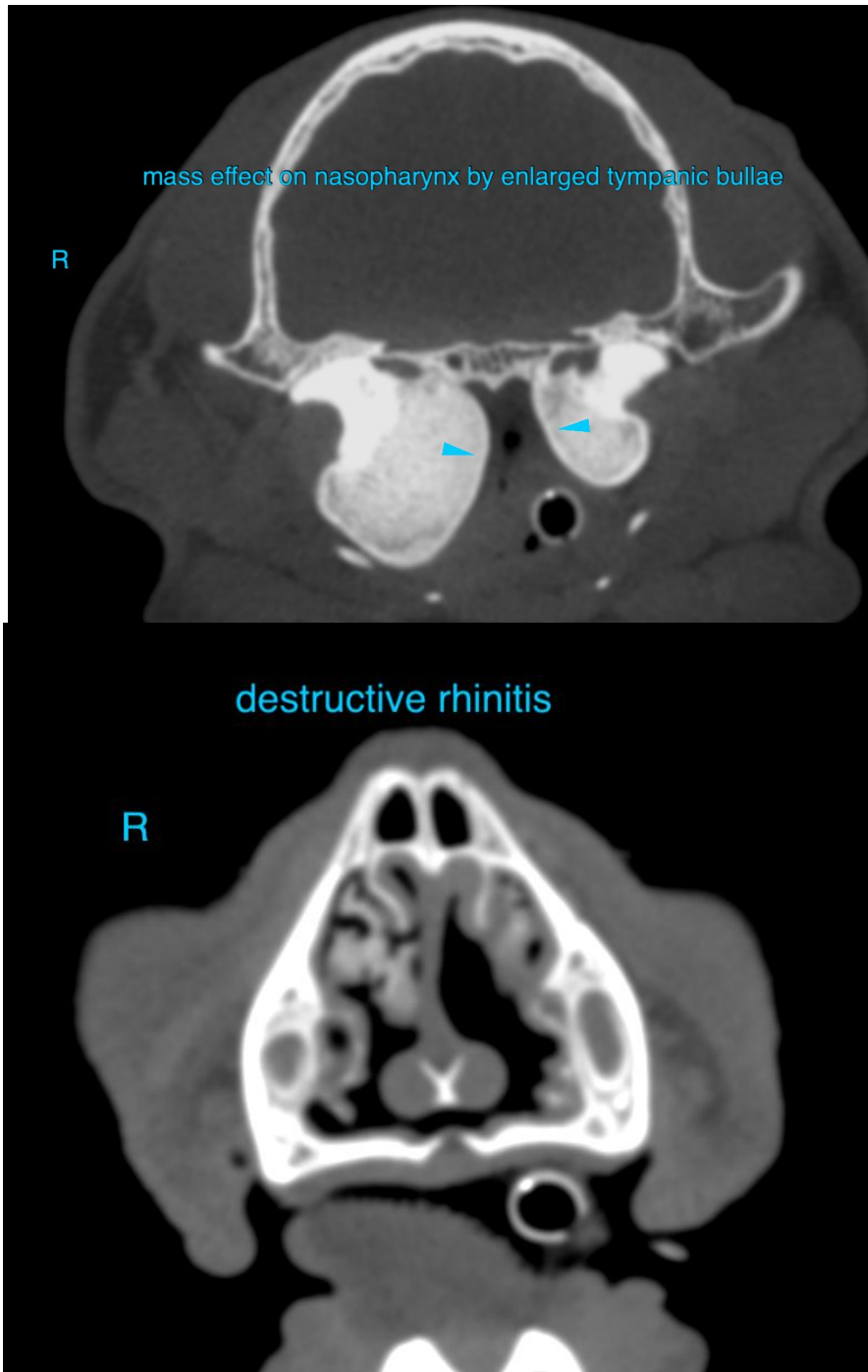
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

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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.

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SEX

Intact Male

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