



**PATIENT PRESENTING CLINICAL SIGNS**

Steve Byma broad based aural mass in right ear with otitis externa. The mass was initially noticed November when he was adopted. There was discharge from eyes and runny nose noticed which is why he was taken to the vet.

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX**

Feline Plain studies in bone and lung windows available for review.

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

DSH **Head**

A mild amount of fluid attenuating material is present within both frontal sinuses. Mild frontal sinus hyperostosis is noted. There is moderate asymmetric turbinate destruction noted within both nasal cavities. A mild amount of fluid is accumulating and adhering to the remaining turbinates in both nasal cavities. There is mild mucosal swelling.

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**AGE**

1 Year

Both tympanic bullae are filled with fluid attenuating material. Moderate irregular thickening of the osseous wall of the tympanic bullae is seen. The left external auditory meatus contains a mild amount of fluid attenuating material only. Hypoattenuating material with mass effect is occupying the horizontal right external auditory meatus and appears to extend into the tympanic bulla.

**INTERPRETED BY The nasopharynx is patent.**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**Thorax**

Redundancy of the precardiac esophagus is noted.

**HOSPITAL NAME A mild generalized bronchial lung pattern is seen as well as an 8mm sized nodule within the caudomedial aspect of the right caudal lung lobe.**

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The mediastinal lymph nodes present within normal limits.

**REFERRING VET COMPUTED TOMOGRAPHIC DIAGNOSIS**

Dr. Jeffery Biskup

- Chronic bilateral otitis externa
- Suspect polyp within the right external auditory meatus.
- Bilateral chronic destructive rhinosinusitis.
- Bronchial lung pattern with single nodule within the right caudal lung lobe.

**INVOICE INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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The CT study reveals chronic bilateral otitis externa. A polyp appears to expand the right external auditory meatus. Chronic inflammatory polyp is thought most likely. Soft tissue neoplasia such as ceruminous cell carcinoma, squamous cell carcinoma, lymphosarcoma, or other is by far less likely but can never be ruled out entirely.

**DATE**

1-5-23

Differential diagnosis for the nasal and frontal sinus changes includes infectious rhinitis such as



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viral, bacterial, as well as lymphoplasmacytic rhinitis. Lymphoplasmacytic rhinitis is thought less likely due to the combination of the findings.

**SPECIES**

Feline

The findings of the lung suggest lower airway disease such as infectious bronchitis/bronchial pneumonia or allergic lower airway syndrome. Infectious pathology is considered more likely due to the combination with a nodular infiltrate within the right caudal lung lobe. Pneumonic nodule is a primary differential diagnosis. Primary or secondary neoplasia of the lung cannot be ruled out entirely but appears less likely. Treatment for pneumonia and radiographic or CT recheck is recommended since the nodule is not accessible for ultrasound guided fine needle aspiration. Endoscopy with airway sampling of the upper and lower airways could be considered alternatively.

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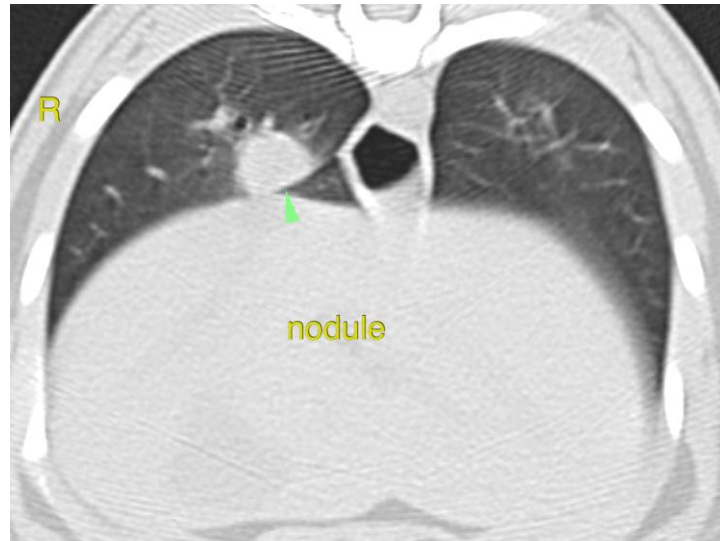
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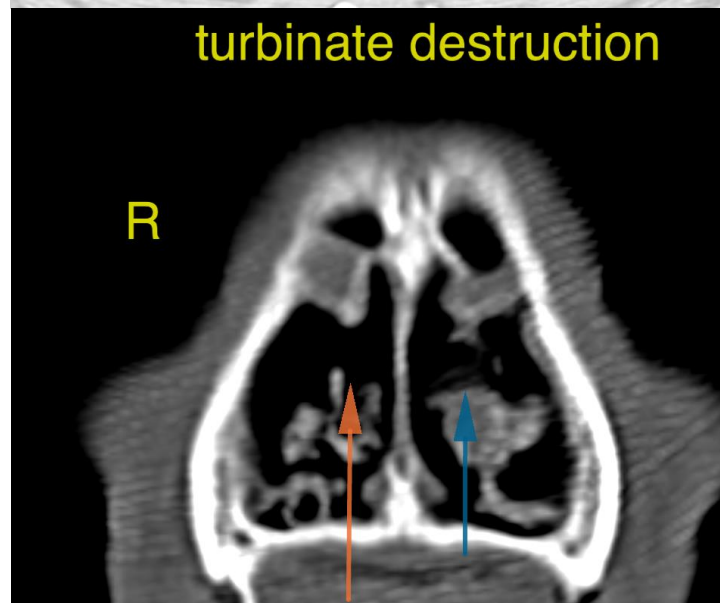
**HOSPITAL NAME**

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turbinate destruction

**REFERRING VET**

Dr. Jeffery Biskup



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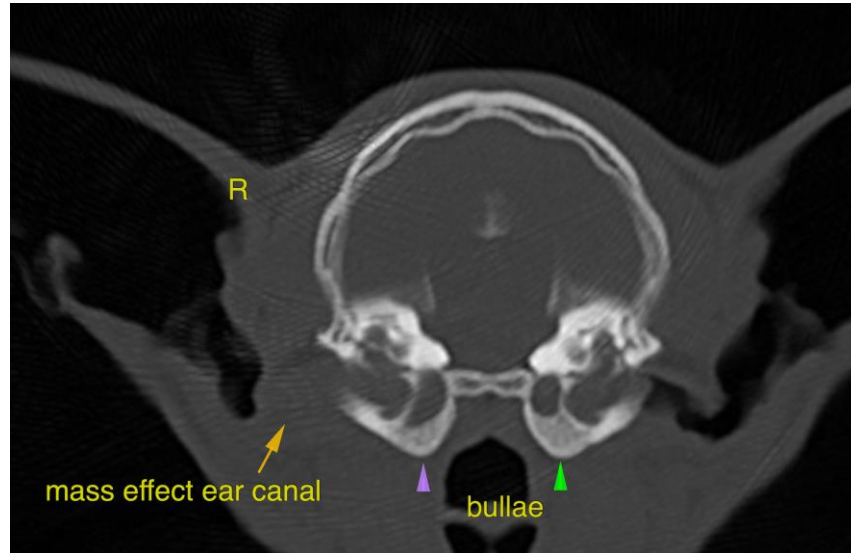
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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