



PATIENT PRESENTING CLINICAL SIGNS

Humphrey Gibb-Clarke

Humphrey, a 9 year old Male Neutered Persian, was presented to the Toronto Animal Health Partners Surgery Service for Squamous Cell Carcinoma of the ear canal - O interested in CT. The Otitis Externa in left ear was initially noticed 4 months ago. Otitis Externa in left ear started Sept 8th 2022. Treated with Surolan for 2 weeks improved but relapsed around a month later. Treated with Triz EDTA + 66.7mg/ml Baytril solution for 10 days, relapsed around 2 weeks later. Scheduled for sedation and scope. Suspected ear polyp. Surgically excised and sent for histopathology. INTERPRETATION: Squamous cell carcinoma Margin assessment: Incisional biopsies. Mitotic count: 14 per 10 high power fields Vascular invasion: Observed. The submitted tissues all contain an invasive population of epithelial cells consistent with a squamous cell carcinoma. There is significant secondary inflammation and evidence of ulceration. December 12 2022 Left submandibular lymph node enlarged. They did x-rays of the chest didn't see anything in the lungs, but O is concerned because last night he was wheezing. Has some issues eating, has to be persuaded (diet of treats in the past month), but is drinking well. Normal urination and defecation. Sometimes seems off personality wise, goes up and down. Humphrey has had a previous history of FIV, was adopted 2 years ago. Humphrey current medications Gabapentin. Humphrey has had good response to the medications provided. Humphrey is currently eating urinary kibble, with no history of allergies. Humphrey is UTD on vaccines. Abnormal PE/Chem/CBC/UA Results: Suspected SCC in left ear canal

SPECIES

Feline

BREED

Persian

SEX

MN

AGE

9 Years

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX

Plain study in soft tissue, bone, and lung windows of the head and thorax available for review.

COMPUTED TOMOGRAPHIC FINDINGS

Head

The left external auditory meatus appears to be expanded by an ill-defined soft tissue mass measuring approximately 20 x 8mm. The mass occupies the entire horizontal auditory meatus and appears to extend into the vertical auditory meatus. Thickening of the epithelial lining of the external auditory meatus and fluid content are noted as well. The tympanic bulla is spared and presents within normal limits. A mild amount of hypoattenuating material is seen in the medial aspect of the right external auditory meatus.

The left medial retropharyngeal and submandibular lymph nodes are moderately enlarged and rounded with ill-defined margins. The retropharyngeal node measures approximately 15mm and the submandibular lymph nodes approximately 10mm in diameter.

Thorax

Multiple small soft tissue attenuating nodules are seen within the parenchyma of all lung lobes. Pulmonary osteomas are seen.

The mediastinal lymph nodes present within normal limits.

The cardiovascular structures present within normal limits.

Course and width of the trachea are considered within normal limits.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Animal Health Partners

REFERRING VET

Dr. Jeffery Biskup

INVOICE

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DATE

1-3-23



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COMPUTED TOMOGRAPHIC DIAGNOSIS

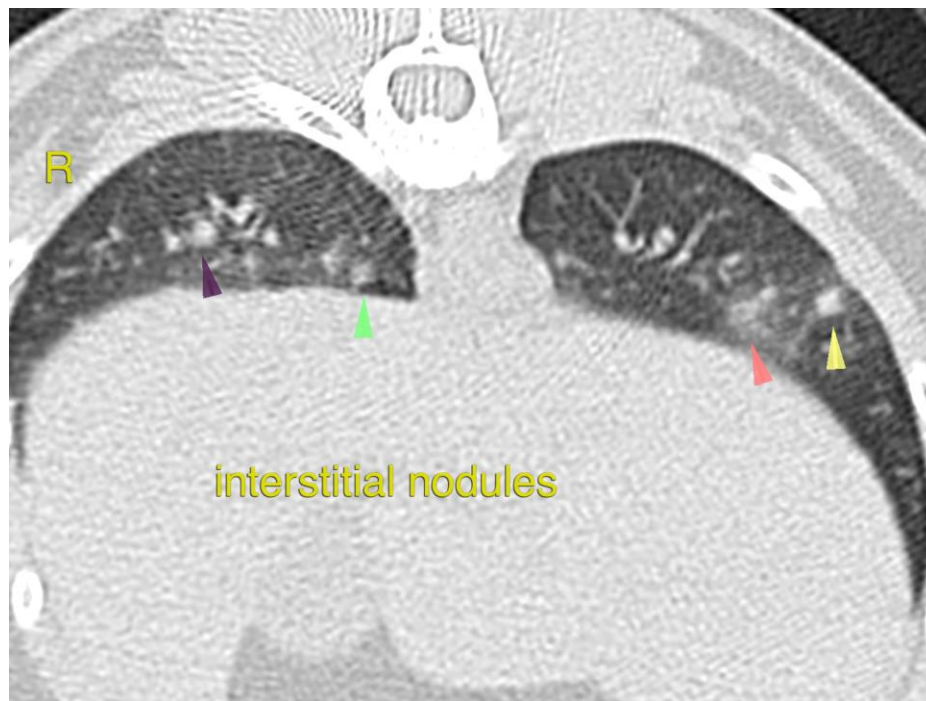
- Expansile soft tissue mass within the left external auditory meatus with concurrent otitis externa.
- Moderate to severe left medial retropharyngeal and submandibular lymphadenomegaly.
- Multiple pulmonary interstitial nodules suggesting metastatic disease to the lung.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with the history of squamous cell carcinoma within the left external auditory meatus. The mass expands the left auditory meatus however appears to respect the margins of the ear canal at this point.

The changes of the left submandibular and medial retropharyngeal lymph nodes are highly suggestive for metastatic disease. Fine needle aspiration could be considered for further verification.

The findings of the lung are suggesting presence of multiple pulmonary metastases. Multiple fibrotic nodules or granulomas cannot be ruled out entirely as differential diagnoses but are thought by far less likely.





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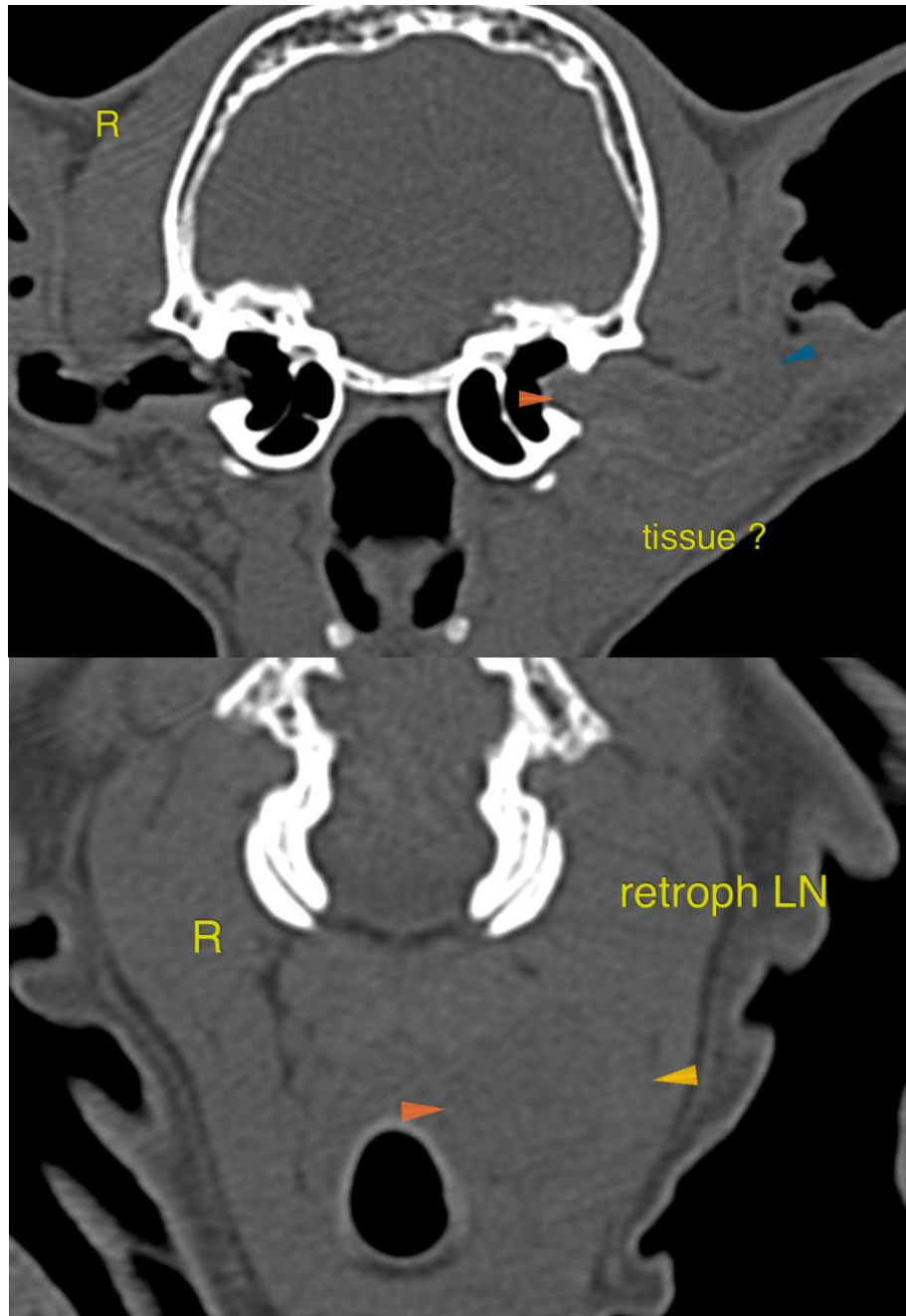
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

SPECIES

Feline

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