



**PATIENT PRESENTING CLINICAL SIGNS**

Molly Johnston Bilateral epistaxis; nasal discharge for 3-4 months; Inability to retropulse the left eye; no response to antibiotics; RDVM radiographs show concern for mass

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Feline Plain and post contrast studies available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED**  
DSH  
**SEX**  
FS  
Presence of an ill-defined loosely structured hypoattenuating mass is noted within the ventrocaudal aspect of both nasal cavities and left nasal cavity. There is extensive regional turbinate destruction as well as polyostotic aggressive bone lysis involving the left bony orbita and cribriform plate. The ventral and left cribriform plate defect allows for early intracranial extension. Early extension of the mass into the nasal aspect of the left orbita is noted as well. The nasal fundus is obliterated by the mass. The presphenoidal sinus and left frontal sinus are filled with fluid attenuating material. Extensive fluid accumulation is noted within the left nasal cavity as well.

**AGE**  
11 Years  
Thinning of the bone plate and small osseous defects of the skull base are seen level with the petrous temporal bone; right more than left.

Both tympanic bullae are expanded with hypoattenuating mostly contrast negative material. Thickening and porosity of the osseous lining of the tympanic bullae are seen.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

The medial retropharyngeal lymph nodes presents mild bilaterally symmetric enlargement.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**HOSPITAL NAME**

Animal Health  
Partners

- Soft tissue mass with aggressive biological behavior within the left nasal cavity and nasal fundus with early intracranial and left orbital extension.
- Secondary obstructive paranasal sinusitis.
- Bilateral tympanokeratomas of the middle ear.
- Mild bilaterally symmetric retropharyngeal lymphadenomegaly.

**REFERRING VET**

Shannon Westgarth

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are compatible with a malignant soft tissue neoplasia within the left nasal cavity with bilateral extension into the nasal fundus and early intracranial as well as left orbital extension. Differential diagnosis includes lymphoma, adenocarcinoma, other carcinoma, fibrosarcoma, and other. Final diagnosis would require sampling for histology.

**INVOICE**

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Note the presence of bilateral tympanokeratomas with early pressure related atrophy of the skull base; right more than left.

**DATE**

4-4-22

The lymph node changes of the retropharyngeal lymph nodes are suggestive for reactive hyperplasia. Early metastatic disease could be ruled out by means of fine needle aspiration.



**PATIENT**

Molly Johnston

**SPECIES**

Feline

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**REFERRING VET**

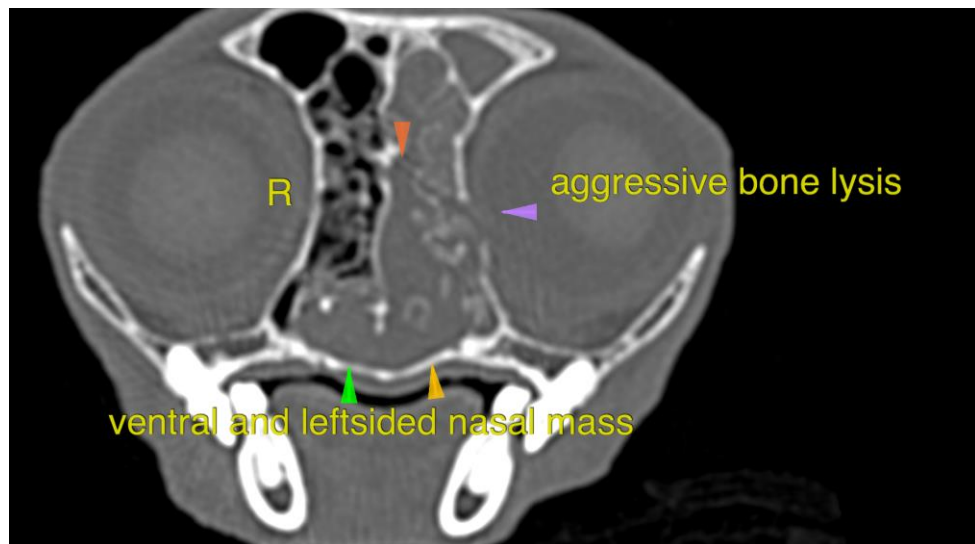
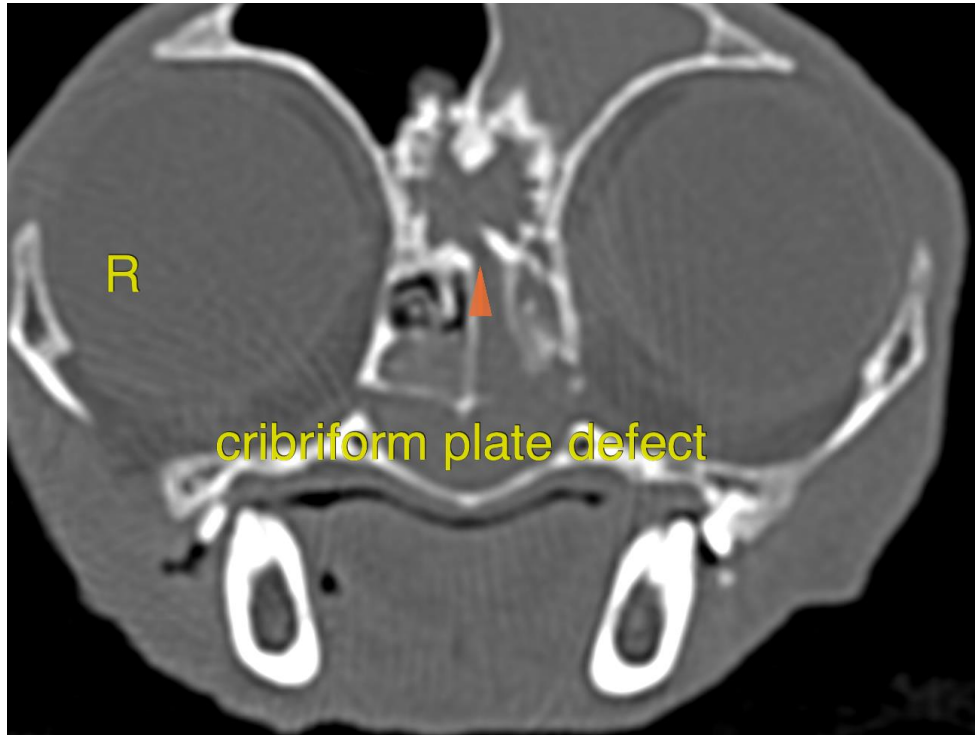
Shannon Westgarth

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**PATIENT**

Molly Johnston

**SPECIES**

Feline

**BREED**

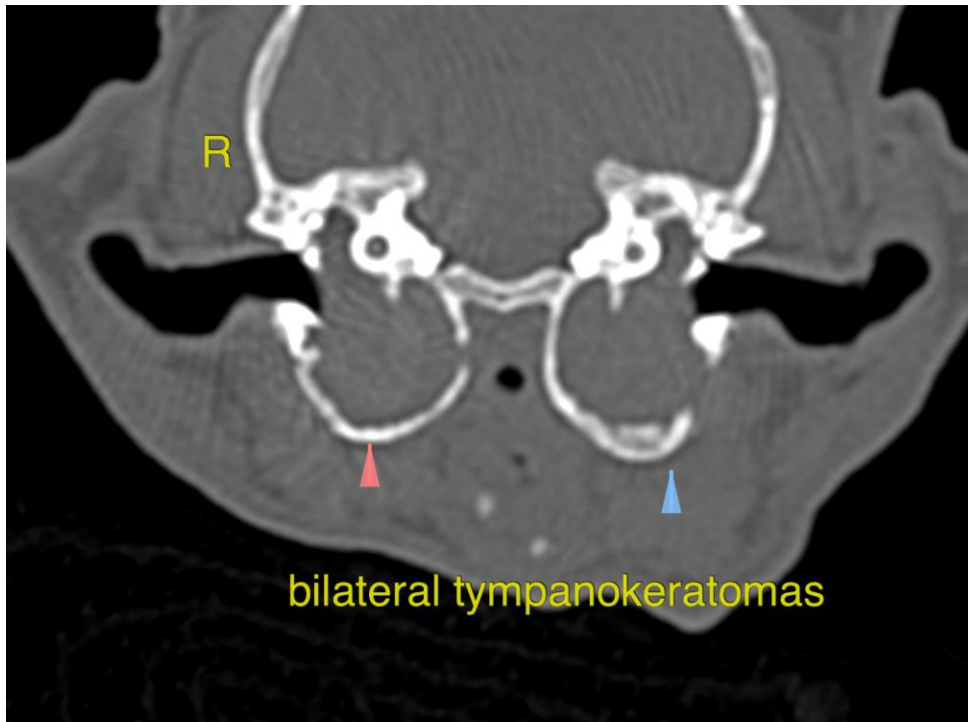
DSH

**SEX**

FS

**AGE**

11 Years



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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.

**HOSPITAL NAME**

Animal Health  
Partners

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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