



**PATIENT PRESENTING CLINICAL SIGNS**

Penny Spiropoulos Chronic nasal discharge left nostril x several months and now nasal discharge right nostril as well.

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

**SPECIES**

Canine

Plain and post contrast studies of the head and post contrast study of the thorax available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED**

German Shorthair Pointer

**Head**

A large ill-defined and irregular shaped mass of mixed attenuation is seen in the caudal aspect of the left nasal cavity. The mass measures approximately 4.5 cm in length, 3.5 cm in height, and 3.0 cm in width. Extensive random bone production is seen within the mass as well as soft tissue attenuating areas with heterogeneous contrast enhancement. There is regional turbinate lysis as well as polystotic aggressive bone lysis including the cribriform plate, left bony orbita, nasal, maxillary and palatinal bones, and nasal septum allowing for extension of the mass beyond the limits of the left nasal cavity. Moderate turbinate destruction is noted within the rostral third of the left nasal cavity as well as moderate fluid accumulation.

**SEX**

FS

The regional lymph nodes present within normal limits.

**AGE**

6 Years

**Thorax**

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern are uniform and considered within normal limits.

**INTERPRETED BY**

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
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The cardiovascular structures including the pulmonary vasculature are within normal limits.

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

**HOSPITAL NAME**

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CFL

The lung parenchyma presents the expected architecture and attenuation behavior.

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**REFERRING VET**

Borecky

- Mixed aggressive osteolytic and osteoproliferative mass within the left nasal cavity with orbital, intracranial, and right nasal cavity extension.
- No evidence of metastatic disease to the regional lymph nodes or lung.

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**INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are compatible with malignant neoplasia within the left nasal cavity with intracranial extension as well as extension into the left orbita and right nasal cavity. Differential diagnosis includes chondrosarcoma, osteosarcoma, and less likely carcinoma, or round cell neoplasia. Final diagnosis

**DATE**

6-9-22



**PATIENT** would require sampling for histology.

Penny Spiropoulos At this time, no evidence of metastatic disease to the regional lymph nodes or lung was found.

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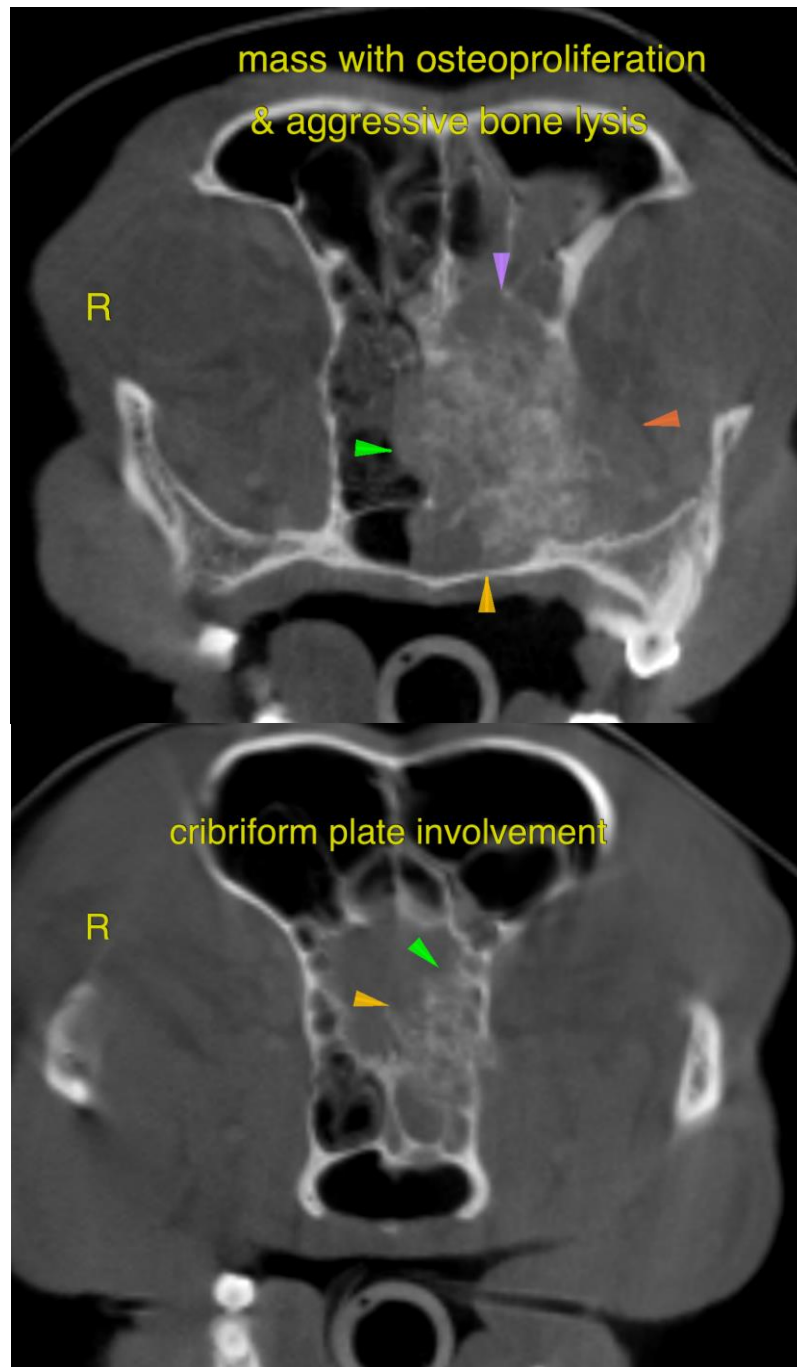
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**PATIENT**

Penny Spiropoulos

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.

**SPECIES**

Canine

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.

**BREED**

German Shorthair  
Pointer

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