



PATIENT

Theo Nelson

PRESENTING CLINICAL SIGNS

Theo is a 9yr old MN, Chihuahua mix that presents for having sneezing, congestion, and wheezing for the past 4-5 weeks. Theo has been slowly declining over the past week. Owner had taken in Theo last Wednesday to the rDVM and radiographs of the chest, and skull were taken. There was concern for neoplasia vs. rhinitis. Theo has been more congested on the right side mostly and seems more lethargic. Theo has had some swelling as well over the R eye and owner states he is not opening it all the way. Theo did eat last night and did receive Dexamethasone Sp Inj. on Wednesday last week and another one on Friday. Owner stated she did notice mild improvement with the steroid injection. Theo did receive Doxycycline from primary vet last week and is still currently on and received a dose last night.

SPECIES

Canine

BREED

Chihuahua Mix

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, THORAX, & CRANIAL ABDOMEN

Plain and post contrast studies available for review.

SEX

MN

COMPUTED TOMOGRAPHIC FINDINGS

Head

A 4 x 2.8 cm sized irregular shaped and ill-defined mass is seen in the caudal aspect of both nasal cavities. The mass presents nonuniform contrast enhancement. Polyostotic aggressive bone lysis of the bilateral frontal and nasal bones, right and left bony orbita, as well as of the cribriform plate is seen. There is extensive intracranial extension with infiltration and mass effect within the right olfactory bulb and frontal lobe. Cerebral midline shift towards the left side is noted in the rostral midline. Early bilateral orbital extension is seen as well. There is regional turbinate destruction within the caudal aspect of the bilateral nasal cavities.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The regional lymph nodes present within normal limits.

Multifocal moderate signs of periodontal disease are seen.

HOSPITAL NAME

Critical Vet
Care/Suncoast
Veterinary

Neck

The cervical vertebrae and spinal musculature present within normal limits.

Mild dorsal flattening of the cervical and thoracic trachea is seen.

REFERRING VET

Dr. Young

The thyroid glands and cervical lymph nodes present within normal limits.

Thorax

The bony and surrounding soft tissue structures are within normal limits.

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59419

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.

DATE

7-17-23

The cardiovascular structures including the pulmonary vasculature are within normal limits.



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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.

SPECIES

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The lung parenchyma presents the expected architecture and attenuation behavior. Pulmonary osteomas are noted.

BREED

Chihuahua Mix

Cranial Abdomen

Mild generalized enlargement of the pancreas with multiple small isoattenuating nodules is seen. There is no evidence of concurrent regional mesenteropathy.

SEX

MN

The liver, spleen, and adrenal glands present within normal limits.

The epigastric lymph nodes present within normal limits.

COMPUTED TOMOGRAPHIC DIAGNOSIS

AGE

9

- Large caudal nasal soft tissue mass with aggressive biological behavior and intracranial extension.
- Pancreatopathy
- Periodontal disease.
- No evidence of metastatic spread to the regional lymph nodes or lung.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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Veterinary

The CT study reveals a bilateral caudal nasal mass with extensive aggressive osteolytic changes and extension into the cranial vault. There appears to be infiltration of the right cerebral hemisphere. Differential diagnosis includes nasal adenocarcinoma, other carcinoma, esthesioneuroblastoma, and lymphosarcoma primarily. The findings are not compatible with rhinitis. Note the extensive growth of the tumor with intracranial invasion.

The findings of the pancreas suggest presence of benign nodular hyperplasia. Chronic pancreatitis is a potential differential diagnosis.

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REFERRING VET

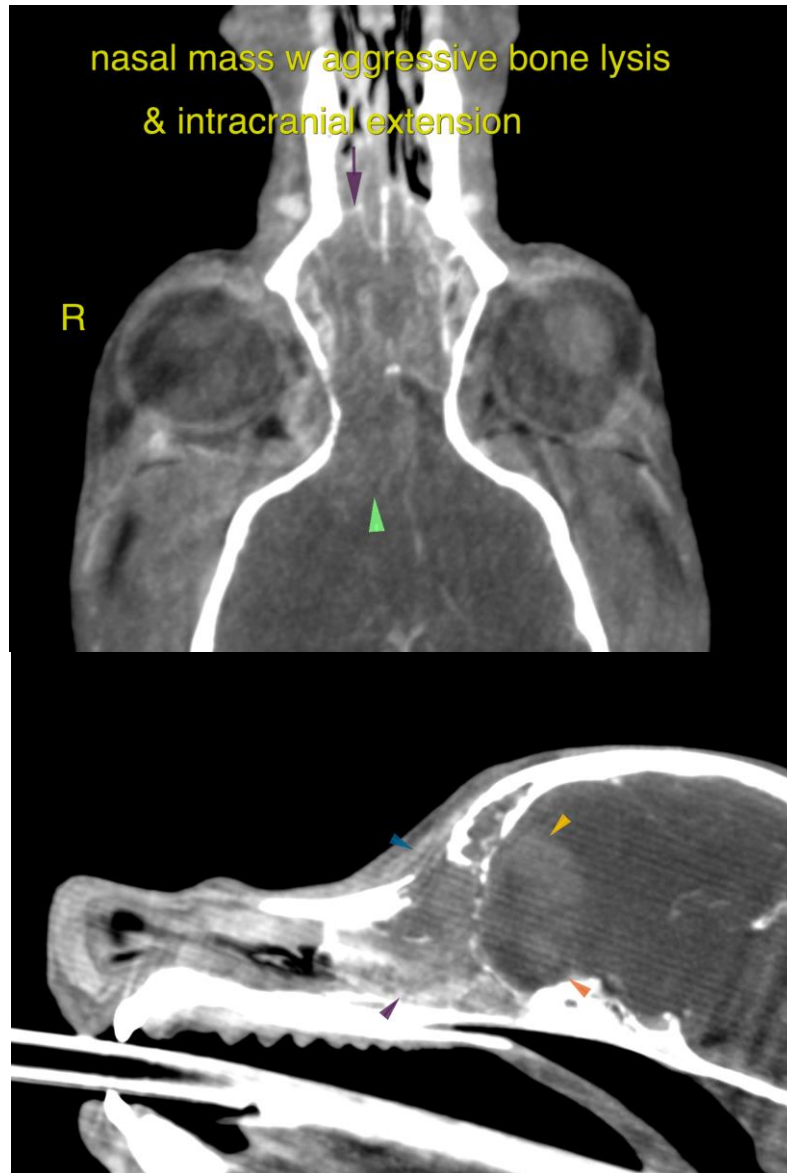
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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