



PATIENT PRESENTING CLINICAL SIGNS

Einstein Donis
SPECIES Canine
BREED Pitbull Mix
 RAD Consult: HISTORY SIG: DOB: 05/01/2013, Age: 8.48 Y, Sex: M ALTERED, Wt: 83.4lbs, Breed: Lab Mix, Species: CANINE, Images: 4, Case Details: intermittent bleeding from nose for 3 months Findings Thorax: October 25, 2021. Four images are available for evaluation. The cardiovascular structures are within normal limits for size and shape. There is no evidence of intrathoracic lymphadenopathy or nodular pulmonary metastasis. The trachea, esophagus, and mediastinum are within normal limits. The extrathoracic osseous and soft tissue structures are within normal limits. Conclusion The thorax is unremarkable. There is no evidence of nodular pulmonary metastasis. Recommendations Given the history, a nasal CT and rhinoscopy should be considered. Read By: Tasha Axam, DVM, DACVR
 Abnormal PE/Chem/CBC/UA Results: Leukocytosis Bilateral pink tinged nasal D/C

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

SEX MN
 A high resolution pre- and post-contrast CT study of the skull and a post-contrast CT study of the thorax are provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

Skull

The tooth elements 308&408 are absent.

The left nasal cavity is occupied by soft tissue attenuating and moderate heterogeneous contrast enhancing material with advanced destruction predominantly of the left nasal conchal structures. The left maxillary bone level with triadan 207 presents moth eaten osteolytic lesions and multifocal osteolysis of the left palatine bone is noted. The soft tissue material is perforating the nasal septum and protruding into the right nasal cavity. Both frontal sinuses contain a moderate amount of non-contrast enhancing soft tissue material.

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

Thorax

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

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 is

INTERPRETED BY

Sebastian Schaub, DVM
 Dr. med. vet. DipECVDI

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PATIENT uniform and considered within normal limits.

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

SPECIES 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.

Canine

The lung parenchyma presents the expected architecture and attenuation behavior with interspersed punctuate mineralization.

BREED

Pitbull Mix

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

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

MN

- Left sided nasal soft tissue mass with polyostotic semiaggressive osteolytic lesions of the left maxillary and palatine bone
- Suspect bilateral obstructive sinusitis
- Absent triadan 308&408
- Structural normal thorax, no evidence of pulmonary metastatic disease

AGE

8 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The CT study is compatible with primary nasal neoplasia such as adenocarcinoma, transitional cell carcinoma, lymphosarcoma, squamous cell carcinoma, other. Theoretically granuloma formation due to mycotic infection (e.g. Cryptococcus) or atypical Nocardiosis is a consideration but far less likely. Recommend rhinoscopy with biopsy for further definition. The chances of radiation therapy can be discussed with oncologist, based on biopsy results. The Adam tumor stage is T2.

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Consider complementing full tumor staging by FNA sampling of the tributary lymph nodes.

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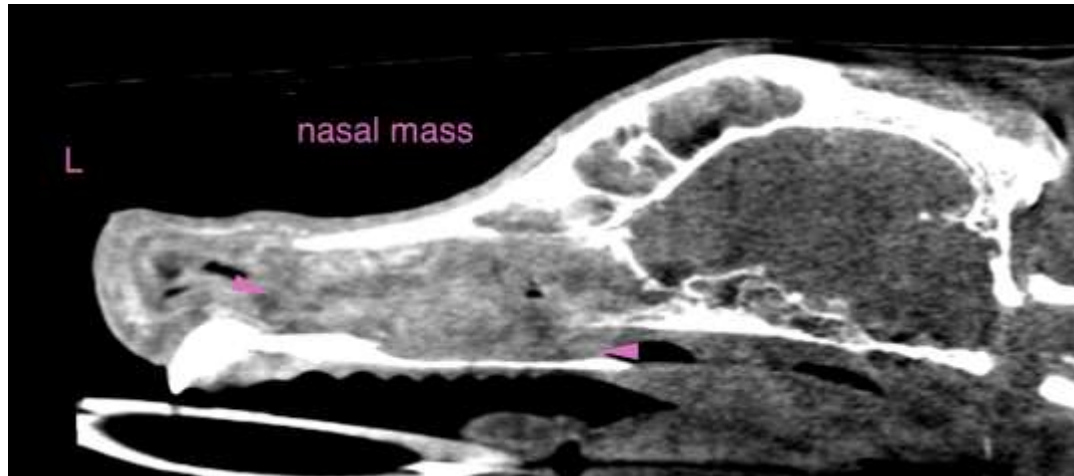
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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