



PATIENT

Cookiepuss Lloret

PRESENTING CLINICAL SIGNS

Cookiepuss presented for having right nasal hemorrhagic discharge for 1-2 months duration. Previous diagnostics were not done. Right nasal hemorrhagic discharge: R/O Neoplasia, FB, tooth root abscess, rhinitis, etc

SPECIES

Feline

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX

Plain and post contrast studies available for review.

BREED

DSH

COMPUTED TOMOGRAPHIC FINDINGS

Head

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

SEX

Female Spayed

An irregular shaped approximately 2.0 cm sized soft tissue attenuating mass is seen within the caudal and ventral aspect of the right nasal cavity. The mass occupies the right nasal fundus and crosses the midline to the left side level with the nasal fundus. Aggressive osteolytic changes of the right bony orbita and palatinal bone are seen as well as regional turbinate destruction. The mass presents mild nonuniform contrast enhancement. Mild paucity of nasal turbinates is noted within the mid and rostral third of the right nasal cavity. The turbinates within the left nasal cavity present within normal limits. Both frontal sinuses present within normal limits.

AGE

11 Years

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

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

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

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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 of < 0.5. The attenuation and contrast enhancement pattern are uniform.

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Thorax

The surrounding bony structures are within normal limits.

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The extrathoracic soft tissues present homogeneous without abnormalities.

The heart is of normal size and shape and there is no evidence of cardiac chamber or vascular enlargement. The pulmonary vasculature is within normal limits.

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The cranial mediastinum presents the expected soft tissue opacity. The mediastinal width is less than twice the width of the vertebral column at the same level.

The trachea is normal in diameter and presents the anticipated course. The luminal outline of the

**PATIENT**

trachea is smooth.

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A moderate to severe bronchial lung pattern with a multifocal tree-in-bud pattern is noted.

The diaphragm is well delineated with even surface and the expected mild cranial bulging of the diaphragmatic cupola.

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COMPUTED TOMOGRAPHIC DIAGNOSIS**BREED**

DSH

- Soft tissue mass with aggressive biological behavior within the right nasal cavity.
- Chronic lower airway disease with tree-in-bud pattern.
- No evidence of pulmonary metastatic disease.

SEX

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The CT findings of the nasal cavity are compatible with malignant soft tissue neoplasia with secondary bone lysis. Consider lymphosarcoma, adenocarcinoma, other carcinoma, and other potential differential diagnoses. Final diagnosis will require sampling for histology.

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The CT screening of the lung was negative for pulmonary metastatic disease yet there was indication of chronic lower airway disease with allergic causes by far more likely than infectious bronchitis such as viral, bacterial, parasitic, or protozoal. The tree-in-bud pattern is a typical presentation of feline asthma with mucus plugging of the dilated bronchi which is typically associated with decreased mucociliary clearance and lower airway obstruction.

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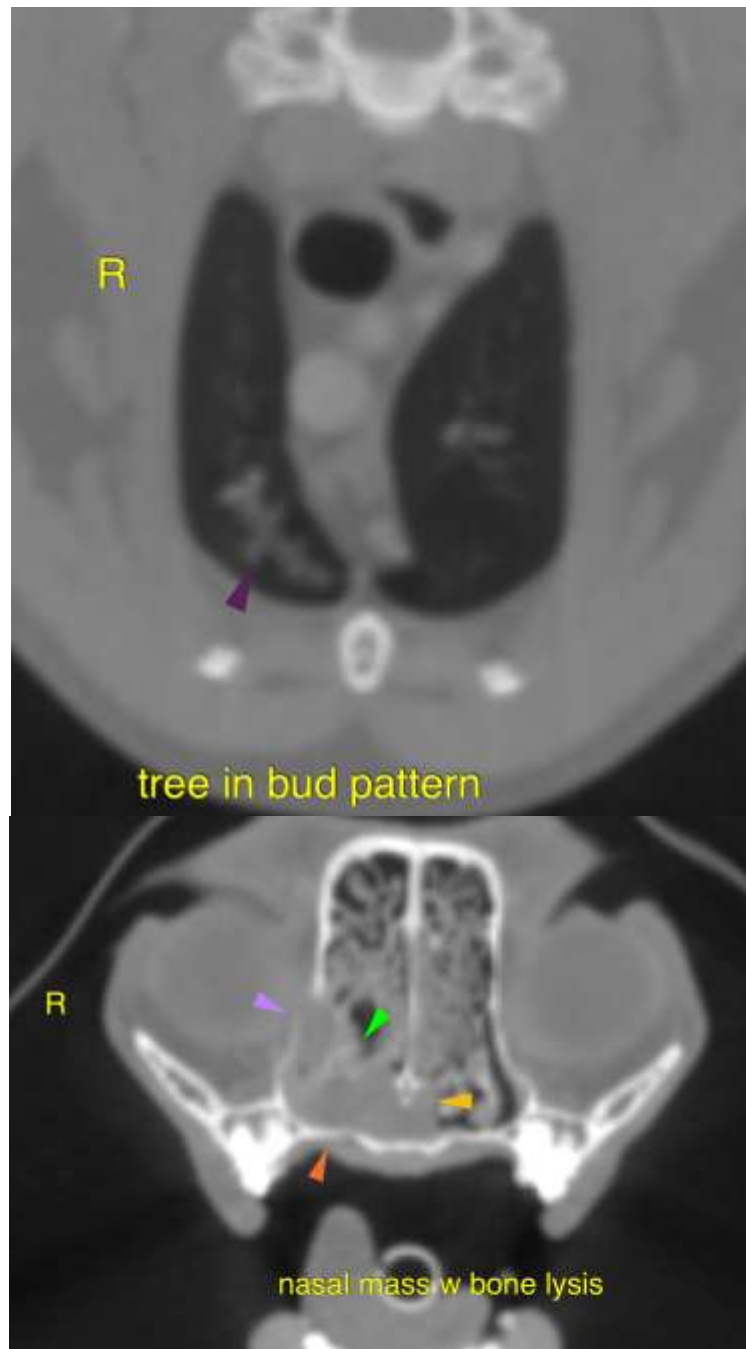
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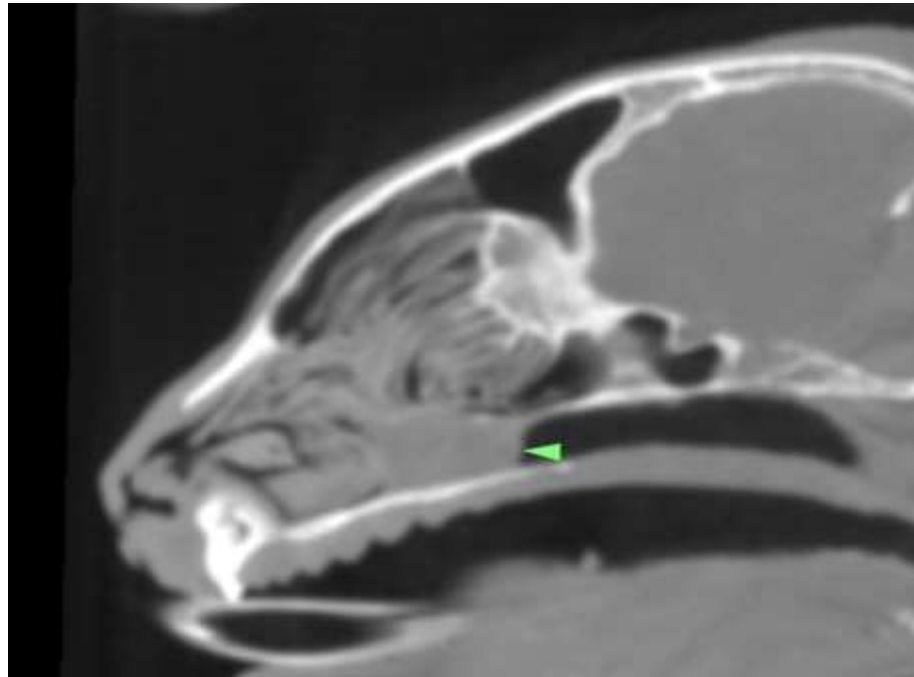
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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