



PATIENT PRESENTING CLINICAL SIGNS

Frank Chorva History: Presented for chronic nasal congestion/retching/gagging
Abnormal PE/Chem/CBC/UA Results: Ca 15.3 mg/ dl

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE SKULL, THORAX AND ABDOMEN

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

BREED COMPUTED TOMOGRAPHIC FINDINGS

DSH **Skull:**

SEX

Multiple teeth are absent. The remaining teeth – predominately the premolar and molar teeth – show advanced resorptive lesions.

Neutered Male

AGE

15 Years

The ventral two thirds of the right nasal cavity are filled with uniform soft tissue attenuating and heterogeneous contrast enhancing material. The soft tissue material is perforating the nasal septum and protruding into the ventral aspect of the left nasal cavity. Extensive destruction of the associated conchal and turbinate structures is visible. The associated right maxillary, palatine bone bilaterally present aggressive osteolytic lesions. The cribriform plate is intact.

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

INTERPRETED BY

Sebastian Schaub,
DVM Dr. med. vet.
DipECVDI

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.

HOSPITAL NAME

Northeast VRH

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 mandibular lymph nodes bilaterally are prominent, uniform soft tissue attenuating with a mild increased short-to-long-axis ratio equaling 0.5.

REFERRING VET

Dr. Runde

Thorax:

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

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

In the right caudal lung lobe, level with the 9th & 10th rib, an irregular marginated, thick walled, gas filled cavitory lesion is visible, measuring 3.0 x 2.4 x 2.3 cm in size. Irregular thickened septa are

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PATIENT extending from the periphery into the lumen of the cavitory lesion. Well-defined nodular lesions are visible in accessory and left cranial lung lobe measuring up to 7 mm in diameter.

Frank Chorva

The right tracheobronchial lymph node is moderately enlarged, rounded and heterogeneous contrast enhancing.

SPECIES

Feline

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

Abdomen:

BREED

DSH

The serosal fat presents moderate fat-stranding and a mild amount of gravity dependent soft tissue material is visible in the peritoneal cavity.

SEX

Neutered Male

Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

The adrenal glands are within normal limits for size, shape and organ architecture.

AGE

15 Years

The liver presents with multiple well-defined, variable sized (between 4 – 25 mm), spherical parenchymal filling defects.

The caudal extremity of the spleen is moderately enlarged, with convex shaped margins and a heterogeneous contrast enhancing parenchyma, measuring 2.5 x 3.3 x 4.3 cm in size.

INTERPRETED BY

Sebastian Schaub,
DVM Dr. med. vet.
DipECVDI

The pancreatic duct is markedly dilated, measuring up to 5 mm in diameter.

The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

HOSPITAL NAME

Northeast VRH

The bony and surrounding soft tissue structures reveal no abnormalities.

COMPUTED TOMOGRAPHIC DIAGNOSIS

REFERRING VET

Dr. Runde

- Biologically aggressive soft tissue nasal soft tissue neoplasia
- Lymphadenopathy mandibular lymph nodes
- Thick walled cavitory pulmonary lesion right caudal lung lobe
- Structured nodular interstitial lung pattern
- Splenic mass
- Mild to moderate peritoneal effusion&peritonitis
- Suspect hepatic cysts
- Multiple absent teeth
- Advanced resorptive lesions of the remaining teeth
- Age related dilation of the pancreatic duct

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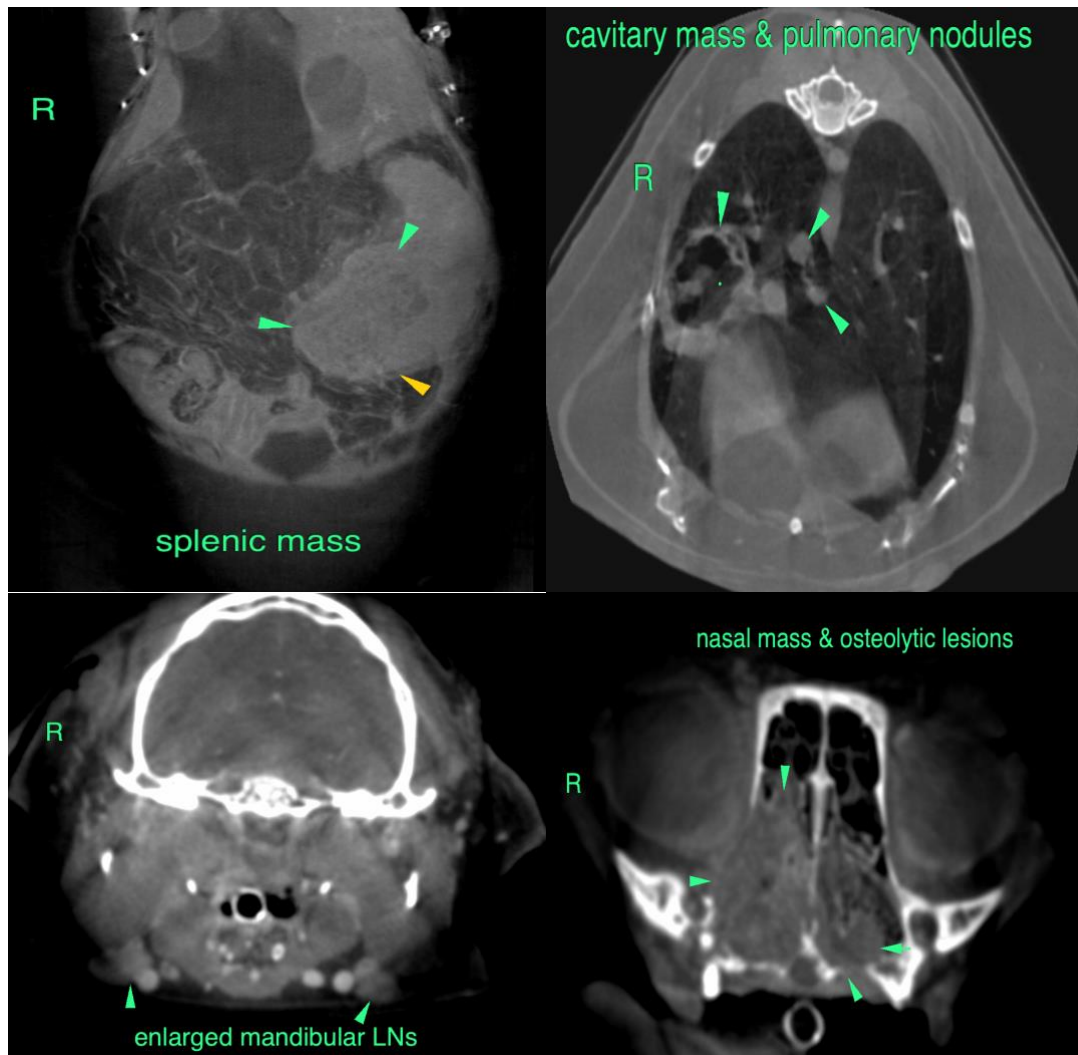
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PATIENT INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

PATIENT Frank Chorva
SPECIES Feline
BREED DSH
SEX Neutered Male
AGE 15 Years
INTERPRETED BY Sebastian Schaub, DVM Dr. med. vet. DipECVDI
HOSPITAL NAME Northeast VRH
REFERRING VET Dr. Runde
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The current CT study is compatible with disseminated neoplastic disease with biologically aggressive soft tissue mass of the nasal cavity and secondary polyostotic aggressive osteolytic lesions, likely metastatic spread to the mandibular lymph nodes, a malignant pulmonary mass with multiple pulmonary nodules and splenic mass. Either separate entities – like nasal lymphosarcoma, pulmonary carcinoma and primary versus secondary splenic neoplasia - or one entity such as carcinoma are differentials here. FNA sampling/biopsy of the different lesions can be performed for further differentiation. Due to the multiple changes, treatment options are limited to palliative management of the patient; the long-term prognosis is very guarded.



The information and recommendations provided are based on the images presented by the

8/19/21



PATIENT referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Frank Chorva

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.

SPECIES

Feline

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