



PATIENT

Coco Pope

PRESENTING CLINICAL SIGNS

Firm left sub-mandibular mass

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, THORAX, & ABDOMEN

Plain and post contrast studies available for review.

BREED

Maltese

COMPUTED TOMOGRAPHIC FINDINGS

Head

An approximately 4 x 3.5 x 2.7 cm sized irregular shaped and ill-defined soft tissue attenuating mass is seen lateral, dorsal, and medial of the left mandibular body. The mass presents moderate heterogeneous contrast enhancement. Aggressive osteolysis of the left mandible starting level with the dental alveolus of the prior triadan 308 up to the mandibular ramus is seen.

SEX

Neutered Male

The dentition is incomplete with severe atrophy of the alveolar crest in all quadrants.

AGE

10

Severe left submandibular lymphadenomegaly with cavitation and heterogeneous enhancement is seen. Moderate left medial retropharyngeal lymphadenomegaly with heterogeneous contrast enhancement is noted.

Both lobes of the thyroid gland are seen and present within normal limits.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The cervical lymph nodes present within normal limits.

There is severe intervertebral disc space collapse, vacuum phenomenon, and spondylosis deformans as well as vertebral endplate sclerosis between C5/6 and C6/7.

Moderate spondylosis deformans and mild disc protrusion are seen between C2 and C3.

HOSPITAL NAME

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Thorax

Multiple variably sized soft tissue attenuating interstitial pulmonary nodules are noted.

REFERRING VET

Bleakley

Abdomen

Two dermal nodules are noted in the cranioventral abdomen to the left of the midline.

There is a 7mm sized calculus within the gallbladder.

INVOICE

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Both kidneys are small and present multiple cortical renal cysts. Mineral attenuating foci are seen in the renal diverticuli.

The adrenal glands present within normal limits.

DATE

2-9-23

Multiple variably sized faintly hyperenhancing splenic nodules are noted.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Large left mandibular soft tissue mass with aggressive biological behavior and extensive osteolysis of the left mandible.
- Severe left submandibular and moderate left retropharyngeal lymphadenomegaly meeting metastatic criteria.
- Multiple interstitial pulmonary nodules compatible with pulmonary metastatic disease.
- Multiple splenic nodules.
- Bilateral chronic hypercalcemic nephropathy
- Chronic intervertebral disc disease within the cervical spine C2/3, C5/6, C6/7.
- Dermal nodules

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals a large left mandibular soft tissue mass. The findings are compatible with a malignant soft tissue neoplasia with secondary aggressive bone lysis of the left mandible. Differential diagnosis includes oral fibrosarcoma, squamous cell carcinoma, melanoma, round cell neoplasia, and other. Final diagnosis would require sampling.

The changes of the left submandibular and retropharyngeal lymph nodes are compatible with metastatic disease and should be considered so until proven otherwise by means of sampling.

The pulmonary nodules are consistent with metastatic disease.

The splenic nodules are more likely to represent extramedullary hematopoiesis or benign nodular hyperplasia rather than metastases even though this cannot be ruled out entirely.



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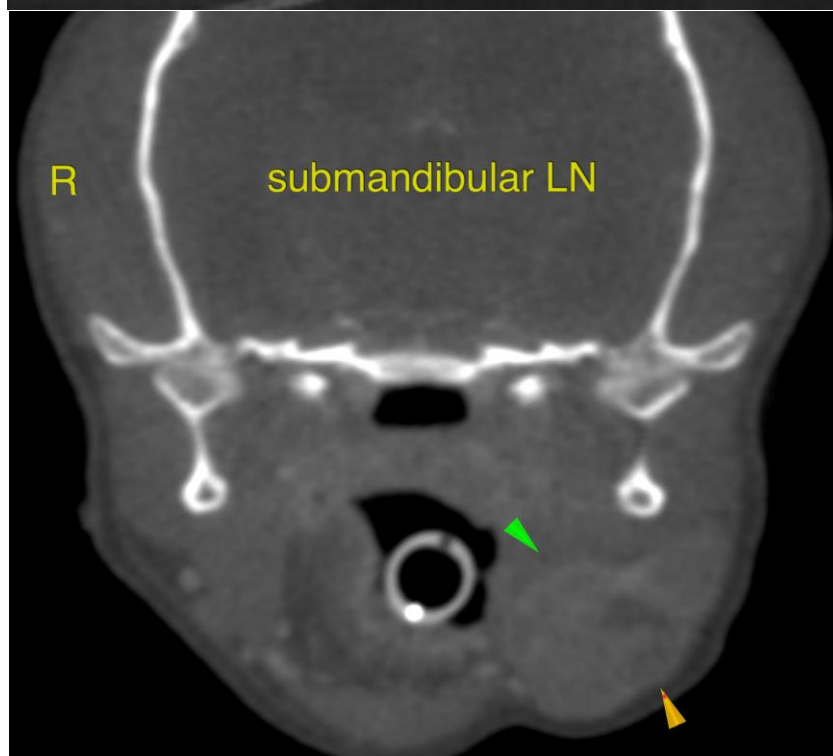
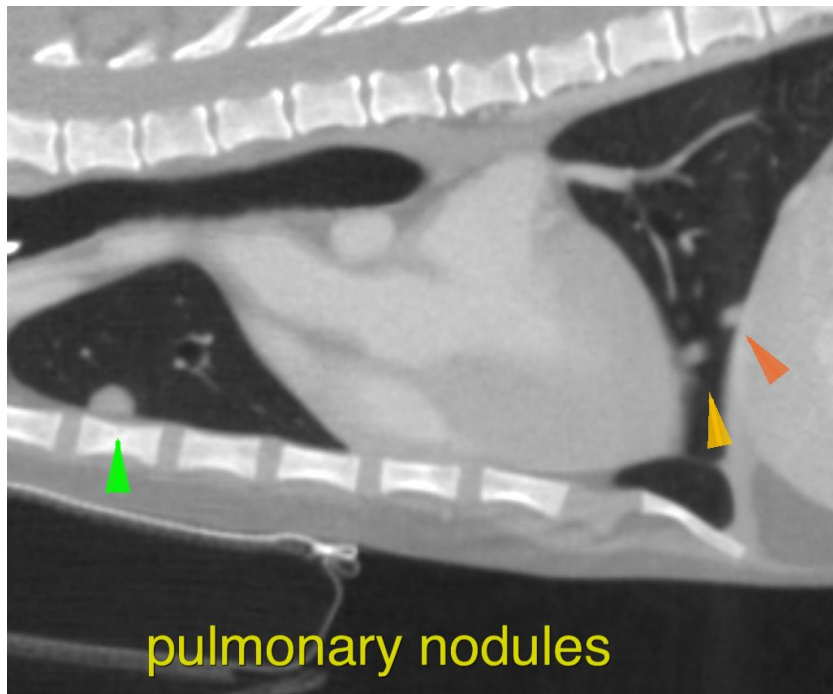
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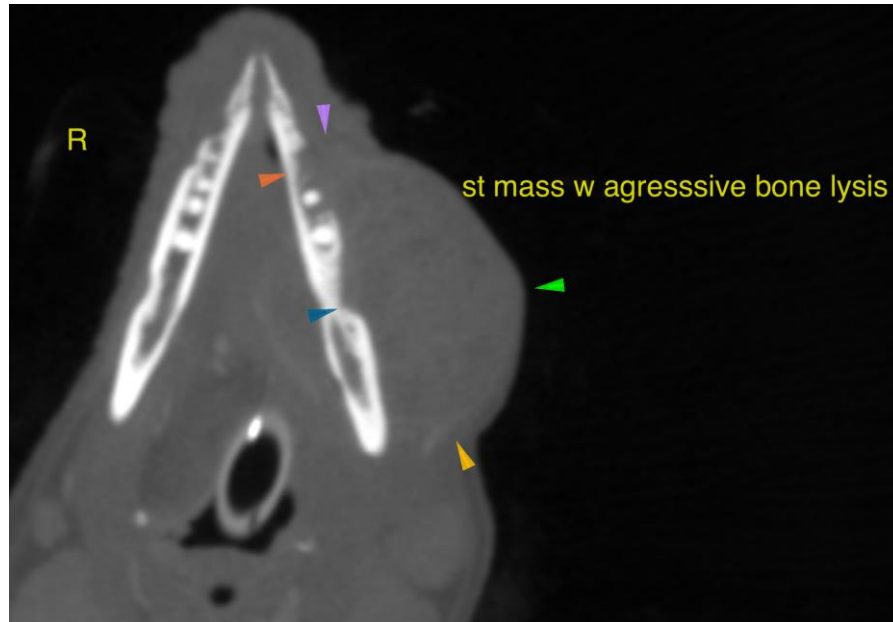
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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