



**PATIENT**

**PRESENTING CLINICAL SIGNS**

Cutie Kitty Kakascik

P presented for halitosis and oral cancer on 1/27/2023. CT was performed to investigate the status of oral cancer and metastasis check.

**SPECIES**

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, THORAX, & ABDOMEN**

Feline

Plain study of the thorax, plain and post contrast studies of the head and abdomen available for review.

**BREED**

**COMPUTED TOMOGRAPHIC FINDINGS**

Domestic Shorthair

**Head**

**SEX**

An approximately 3.5 x 2.5 x 2 cm sized soft tissue attenuating mass is seen within the rostral mandibular and sublingual soft tissues. Lesion margins are ill-defined. The contrast enhancement pattern is moderate and nonuniform. Aggressive osteolytic changes of the rostral mandibles and mandibular bodies are seen bilaterally and extend up to the level of the triadan 409 in the right mandible and up to the triadan 408 in the left mandible.

FS

**AGE**

The submandibular lymph nodes present mild bilaterally symmetric enlargement. The medial retropharyngeal lymph nodes present within normal limits.

10 Years, 5 Months

**Thorax**

**INTERPRETED BY**

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio.

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

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.

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The lung parenchyma presents the expected architecture and attenuation behavior.

**REFERRING VET**

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

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**Abdomen**

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

**INVOICE**

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.

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

**DATE**

The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

1-31-23



### PATIENT

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A 3mm sized cystic lesion is seen in the ventral aspect of the left medial liver lobe.

Mild extrahepatic biliary duct dilation and mild common bile duct dilation are seen without evidence of obstructive pathology.

### SPECIES

Feline

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

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

### BREED

Domestic Shorthair

The bony and surrounding soft tissue structures reveal no abnormalities.

### COMPUTED TOMOGRAPHIC DIAGNOSIS

#### SEX

FS

- Mandibular and sublingual soft tissue mass with aggressive biological behavior and bilateral mandibular bone lysis.
- Mild bilateral submandibular lymphadenomegaly.
- No evidence of pulmonary metastases.
- Liver cyst/biliary cyst adenoma.
- Suspect cholangitis/cholangiohepatitis.

#### AGE

10 Years, 5 Months

### INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with a malignant soft tissue neoplasia such as oral fibrosarcoma, squamous cell carcinoma, lymphosarcoma, or other in the sublingual and mandibular area with polyostotic aggressive bone lysis of both mandibles. Chondrosarcoma is another possible differential diagnosis. Final diagnosis will require sampling for histology. Note the bilateral and extensive mandibular involvement.

### INTERPRETED BY

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The submandibular lymphadenomegaly is equivocal for reactive hyperplasia versus early metastatic disease. Fine needle aspiration is recommended for further definition.

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### REFERRING VET

Dr. Joseph  
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**SPECIES**

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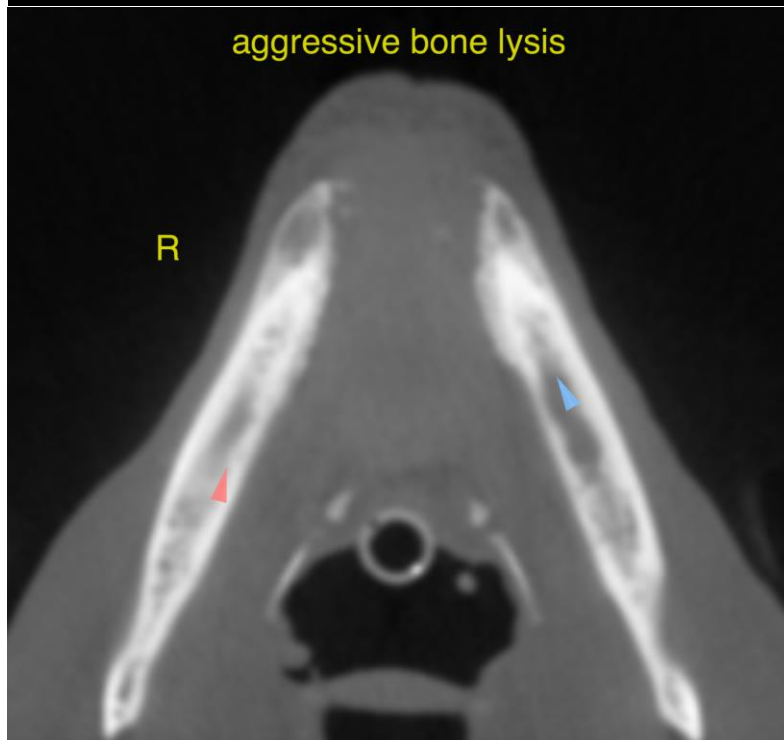
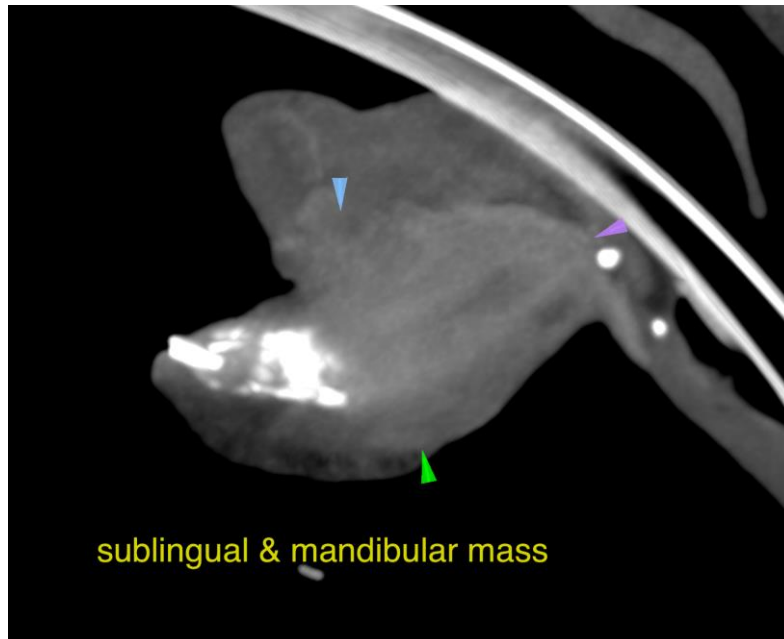
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**SPECIES**

Feline

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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com

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**SEX**

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