

## PATIENT PRESENTING CLINICAL SIGNS

Missy Lev Patient presented for consultation due to swelling of the lower jaw, in addition to decreased appetite and weight loss. Bloodwork (epoc) revealed decreased calcium levels. outpatient medical treatment, fluid therapy were initiated, and a punch biopsy was performed.

## SPECIES

Feline

## RADIOGRAPHIC STUDY OF THE HEAD, THORAX and ABDOMEN

Lateral and orthogonal views of head, thorax, and abdomen totaling 7 images available for review in JPEG format.

## BREED

DSH

Only jpg images were submitted. The transformation from DICOM to jpg only allows for limited manipulation of the image. For the best possible results, we suggest submitting DICOM images in the future. Please do not hesitate to contact us should you need any help with the submission process.

## SEX

FS

## RADIOGRAPHIC FINDINGS

### HEAD

## AGE

13yr

Aggressive expansile osseous lesion centering the right mandibular body is seen characterized by multifocal permeative osteolysis, cortical bone destruction, and amorphous irregular periosteal new bone formation.

## INTERPRETED BY

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

The adjacent soft tissue presents irregular swelling with mass effect surrounding the affected mandibular region, which appears to be the right mandible.

No definitive pathologic fracture is identified on the submitted study.

### THORAX

## HOSPITAL NAME

Animal Clinic Queens

The patient is in very thin body condition.

No focal pulmonary nodules or masses are identified.

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.

## REFERRING VET

Dr Mucera

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 trachea is smooth.

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The bronchial tree presents with thin walls and tapers uniformly towards the periphery as expected.

## DATE

05/27/2026

The lung parenchyma presents the expected architecture and opacity. The intrapulmonary vascular branching is seen up to the third order lung vessels.

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



**PATIENT** diaphragmatic cupola.

Missy Lev **ABDOMEN**

Marked reduction in overall body fat is present due to cachexia.

**SPECIES**

The abdominal serosal detail is reduced.

Feline

No definitive abdominal metastatic disease or mass effect is identified.

**BREED**

The fecal matter within the colon is inspissated.

DSH

**RADIOGRAPHIC DIAGNOSIS**

**SEX**

- Aggressive right mandibular osteolytic and osteoproliferative lesion highly concerning for malignant neoplasia.
- Abdominal cachexia with reduced body fat stores.
- No evidence of pulmonary metastatic disease.

FS

**INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

13yr

The aggressive osteolytic changes involving the right mandible are highly concerning for malignant neoplasia with differential considerations including osteosarcoma, chondrosarcoma and less likely oral squamous cell carcinoma with osseous invasion, fibrosarcoma or other. Osteomyelitis /infectious osteolytic disease is considered less likely but cannot be completely excluded.

**INTERPRETED BY**

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Correlation with the histopathology results is strongly recommended.

**HOSPITAL NAME**

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**REFERRING VET**

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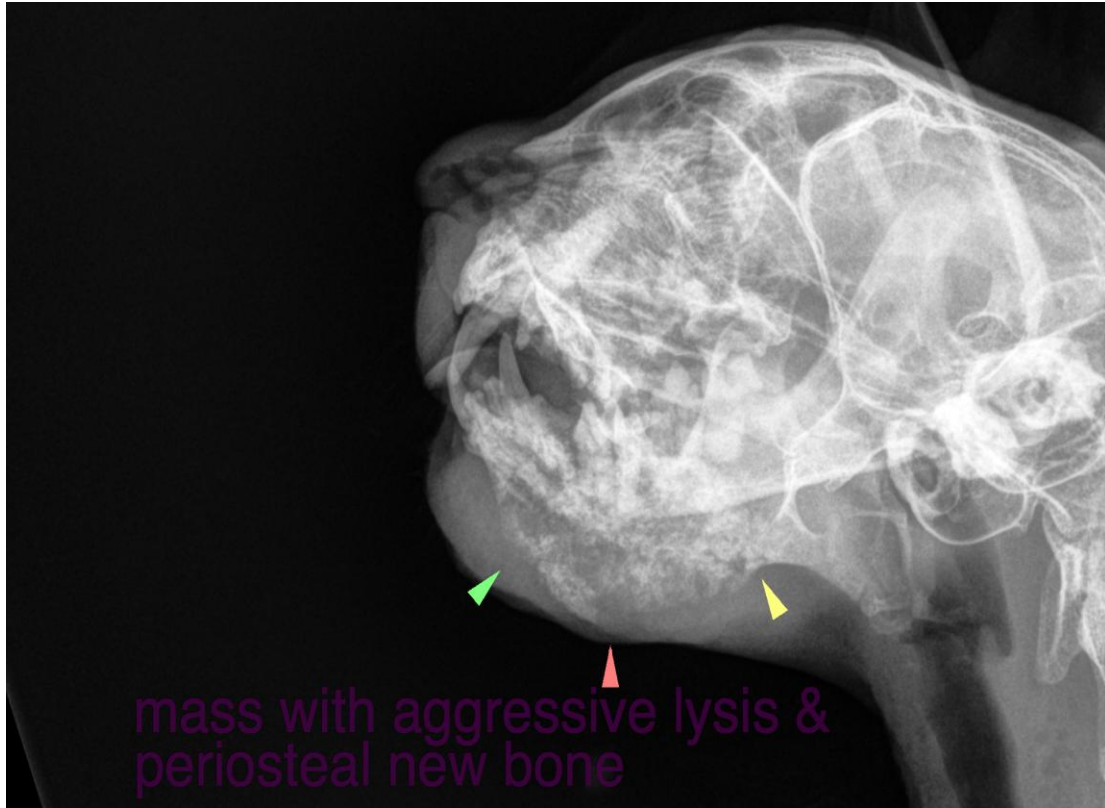
Dr Mucera

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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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Missy Lev

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