



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Domino Kitay

**SPECIES** Feline

**BREED** DSH

**SEX** Male Neutered

**AGE** 9 Years

**INTERPRETED BY** Nele Eley, DVM  
Dr. med. Vet. DipECVDI

Domino is a 9y M: N Feline presenting today for surgical consultation to address a mass on the right side of his neck/shoulder. A few weeks ago, owner noticed Domino walking more gingerly and holding up his right paw. Upon examination at the rDVM, an 18cm mass was discovered. O reports that his gait is worsening. He still eats and purs but has a decreased activity level. The mass was tested but owner is not sure if an FNA or biopsy was performed. She does not have the results yet. Bloodwork and x-rays were done as well. No current medications. Owner reports a history of skin issues, as Domino scratches the fur off of his head and face. He also has thinning hair on his stomach. weight bearing lame on the right shoulder region. 8x10x9 cm in size firmly attached. lateralizing of the right fore limb right shoulder mass FSA versus other Abnormal PE/Chem/CBC/UA Results: CBC/CHEM: 6/12/23, WNL

**COMPUTED TOMOGRAPHIC STUDY OF THE SHOULDERS & THORAX**

Post contrast studies available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

A large mixed osteolytic and osteoproliferative aggressive mass is emerging from the right humerus. The mass is centering the proximal diaphyseal third of the right humerus but extends into the proximal epiphysis as well as into the mid diaphyseal third. The transition zone to the unaffected bone is long and indistinct. The changes do not cross the shoulder joint. Extensive spiculated osteoproliferative changes are seen medial, caudal, and cranial to the humerus. There is a large soft tissue component peripheral to the mass which presents hypoattenuating cavitations that are contrast negative with predominance of peripheral enhancement. Total size of the mass is approximately 10 x 9 x 7 cm.

The right cervical lymph nodes are moderately enlarged and rounded.

The right axillary, sternal, and cranial mediastinal lymph nodes are mildly enlarged.

The lung presents no evidence of interstitial pulmonary nodules or masses. A mild generalized bronchial lung pattern and occasional interstitial scarring are noted.

No evidence of cardiovascular pathology is seen.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Monostotic aggressive mixed osteoproliferative and osteolytic mass of the right humerus.
- Multiple regional lymphadenomegaly of the right cervical, right axillary, and cranial mediastinal lymph nodes.
- No evidence of pulmonary metastases.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are compatible with primary neoplasia of bone. Osteosarcoma is considered by far most likely. Chondrosarcoma, fibrosarcoma, metastases, and other cannot be ruled out entirely but are thought by far less likely.

The findings of the cervical lymph nodes are highly suggestive for metastatic disease. The milder



**PATIENT**

Domino Kitay

enlargement of the axillary and cranial mediastinal lymph nodes is more equivocal for reactive hyperplasia or metastatic disease. Final diagnosis would require sampling of the mass for histology and FNA of the lymph nodes.

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Male Neutered

**AGE**

9 Years

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Animal Surgical  
Center

**REFERRING VET**

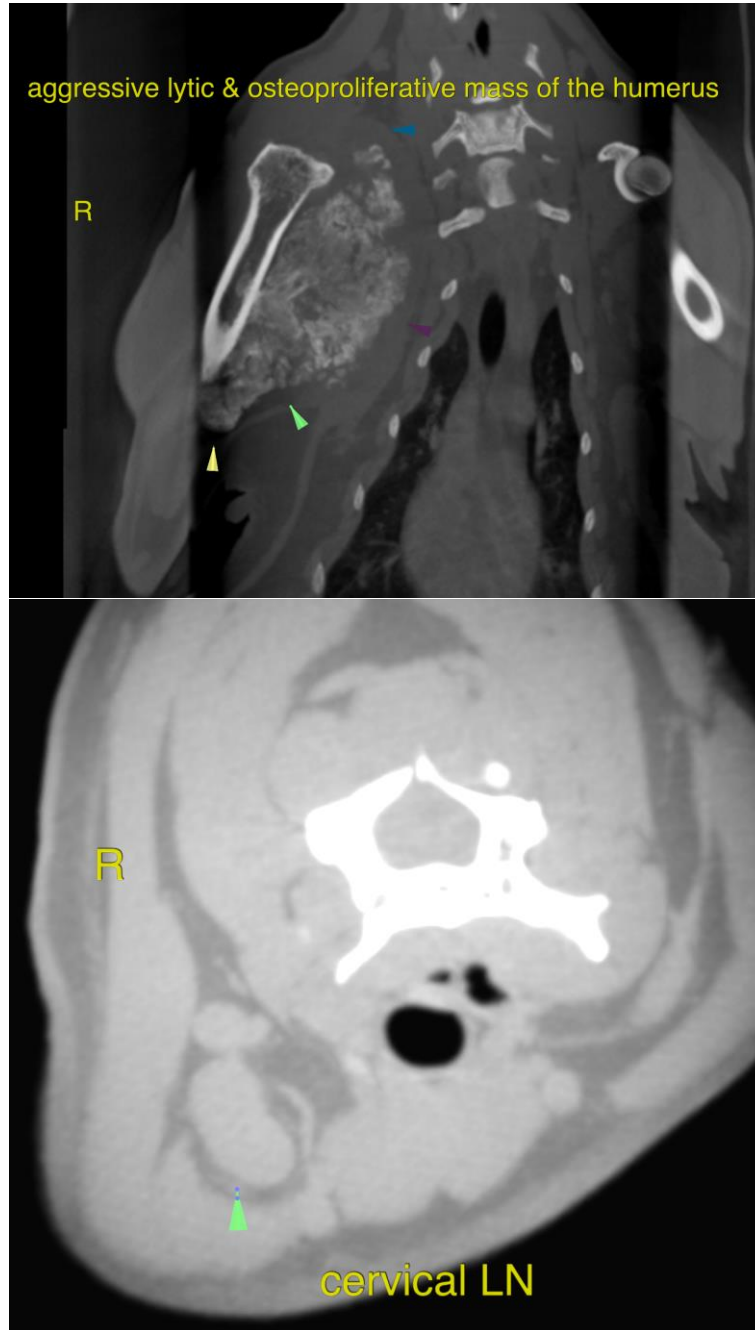
Feline Veterinary  
Hospital

**INVOICE**

58949

**DATE**

6-20-23





**PATIENT**

Domino Kitay

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

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,  
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
[info@sonopath.com](mailto:info@sonopath.com)

**BREED**

DSH

**SEX**

Male Neutered

**AGE**

9 Years

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Animal Surgical  
Center

**REFERRING VET**

Feline Veterinary  
Hospital

**INVOICE**

58949

**DATE**

6-20-23