



PATIENT

Khloi Filippello

PRESENTING CLINICAL SIGNS

OS: EXOPHTHALMOS SUSPICIOUS OF A MASS

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX

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

BREED

West Highland Terrier

COMPUTED TOMOGRAPHIC FINDINGS

Head

The brain presents no deviation from normal anatomy and symmetry. The grey and white matter distinction and the neuroparenchymal attenuation are as expected. The distribution of contrast enhancement is within normal limits throughout the parenchyma and meninges. The ventricular system is non-dilated and within the limits of the expected volume and symmetry.

SEX

FS

A mixed osteolytic / osteoproliferative mass is seen level with the left orbita. The mass is expansile in character and situated within the left zygomatic arch, bony orbita, and left maxillary alveolar margin. The osteolytic changes extend up to the distal margin of the triadan 207 rostrally and span the entire zygomatic arch up to the level of the coronoid process of the left mandible caudally. The total length of the mass is approximately 4.5 cm and diameter is approximately 2.5 cm. The mass extends into the medial aspect of the left nasal cavity under aggressive osteolysis of the left nasal bone and causes regional turbinate destruction there. The expansile osteoproliferative portion causes moderate left sided exophthalmos.

AGE

12 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

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

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external auditory meatuses present within normal limits.

HOSPITAL NAME

Mobile Pet Imaging
CFL

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

REFERRING VET

Borecky

The salivary glands present within normal limits.

Thorax

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

INVOICE

49109

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern are uniform and considered within normal limits.

DATE

12-16-21

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

Mild redundancy of the dorsal tracheal ligament is seen.

**PATIENT**

Khloi Filippello

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.

The lung parenchyma presents the expected architecture and attenuation behavior.

SPECIES

Canine

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

COMPUTED TOMOGRAPHIC DIAGNOSIS**BREED**West Highland
Terrier

- Monostotic mixed osteolytic/osteoproliferative mass of the left maxilla with exophthalmos and jaw lock as well as intranasal extension.
- Redundant dorsal tracheal membrane.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**SEX**

FS

The CT findings are highly suggestive for primary neoplasia of bone. Multilobulated osteosarcoma is considered most likely. Osteosarcoma, chondrosarcoma, and other primary neoplasia of bone, however, cannot be ruled out entirely as differential diagnoses. Final diagnosis will require sampling for histology. The mass presents extension into the lateral aspect of the left nasal cavity. The mass effect causes exophthalmos and jaw lock appears to be a potential based on the position of the mass rostradorsal of the coronoid process of the mandible. No evidence of regional or distant metastatic disease is noted.

AGE

12 Years

Redundancy of the dorsal tracheal ligament can be an incidental finding, however, it can also be associated with dynamic tracheal disease.

INTERPRETED BYNele Eley, DVM
Dr. med. Vet. DipECVDI**HOSPITAL NAME**Mobile Pet Imaging
CFL**REFERRING VET**

Borecky

INVOICE

49109

DATE

12-16-21



PATIENT

Khloi Filippello

SPECIES

Canine

BREED

West Highland
Terrier

SEX

FS

AGE

12 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

HOSPITAL NAME

Mobile Pet Imaging
CFL

REFERRING VET

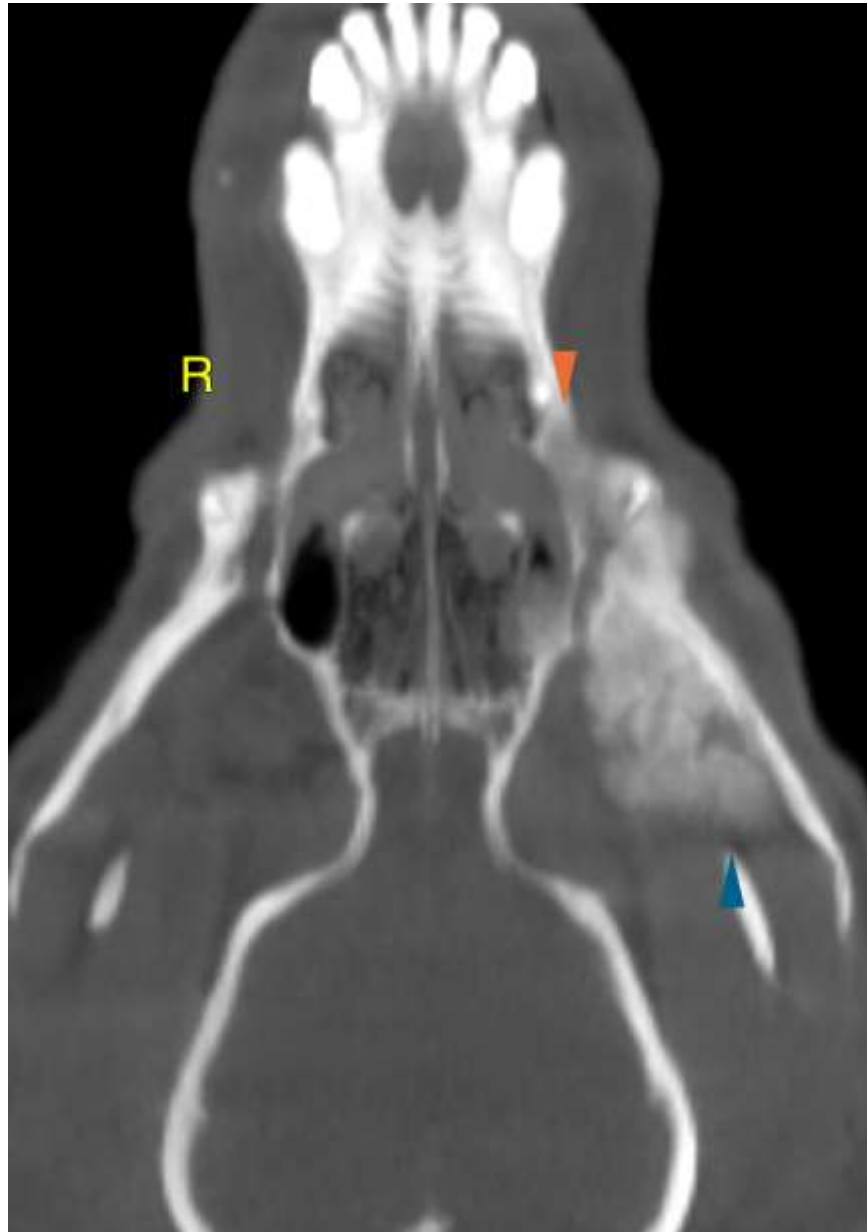
Borecky

INVOICE

49109

DATE

12-16-21





PATIENT

Khloi Filippello

SPECIES

Canine

BREED

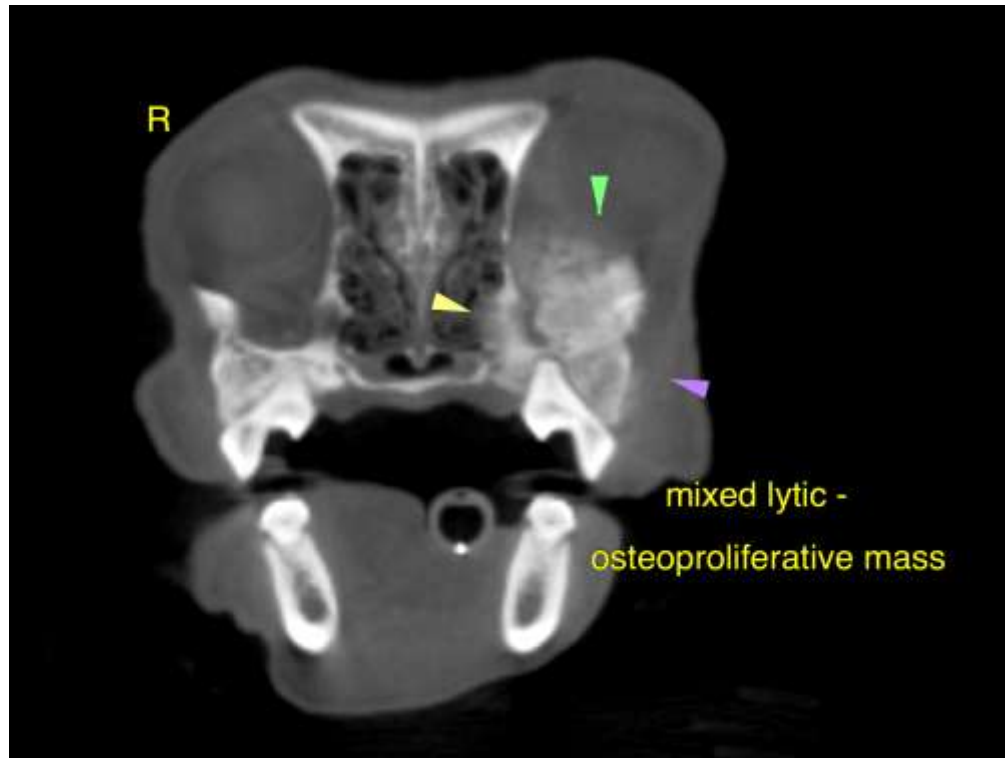
West Highland
Terrier

SEX

FS

AGE

12 Years



INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

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.

HOSPITAL NAME

Mobile Pet Imaging
CFL

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.

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
Nele.Eley@sonopath.com

REFERRING VET

Borecky

INVOICE

49109

DATE

12-16-21