



**PATIENT PRESENTING CLINICAL SIGNS**

Zoey Lita Fast growing lesion over the left side of face, medial to left eye Noticed lump 2 weeks ago Mild displacement of left eye laterally

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Canine A pre- and post-contrast CT study of the head are provided for review totaling 3 series. Two pre-contrast series of the head, soft tissue and bone algorithm. One post-contrast series of the head, soft tissue algorithm.

**BREED**

Mini Fox Terrier

**COMPUTED TOMOGRAPHIC FINDINGS**

There is an extensive amorphous mixed osteoproliferative and osteolytic mass effect affecting the left maxilla, left zygomatic arch, facial bones, and progressing predominantly to the left side of the calvarium. The proliferative aspect of the lesion has a coarse, granular appearance.

**SEX**

F Multiple, predominantly left-side structures of the head and face are involved by the mass.

**AGE**

7 Years

The mixed attenuating mass effect extends rostrally to the level of the triadan 205 and caudally to the level of the cribriform plate, with signs of interruption and meningeal infiltration onto the olfactory bulb and intracranial, extra-axial frontal region. In addition, the lesion extends throughout the left frontal bone and parietal bone, invading the frontal sinuses.

**INTERPRETED BY**

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

The mixed attenuation mass effect also invades the left oral cavity rostrally, more caudally in the left nasal cavity with turbinate destruction, left side of the choana, and the left periorbital and retrobulbar spaces. In addition, the mass effect expands externally to the left nasal and frontal soft tissue planes and causes a significant external mass effect.

Multiple bones are involved, with multifocal and destructive lysis and severe amorphous proliferative lesions, and they include the left palatine bone, left maxilla, left zygomatic arch, left orbital bone, basal lamina of the ethmoid bone, perpendicular plate of the ethmoid bone, nasal bone, left and right frontal bones, and the left calvarium.

**HOSPITAL NAME**

Colyton Veterinary Hospital

Left side exophthalmia is noted. The right globe and retrobulbar space are unremarkable.

The bulla cavities and external auditory canals are normal.

**REFERRING VET**

Shan Li

The temporomandibular joints are bilaterally congruent.

The triadans 110, 206, 306, 311, 401, 405 and 406 are absent.

The left medial retropharyngeal lymph node and mandibular lymph nodes are enlarged and rounded in shape. The right medial retropharyngeal lymph node and mandibular lymph nodes are unremarkable.

**INVOICE**

59643

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**DATE**

8-3-23

- Extensive heterogenous osteolytic and proliferative soft tissue mass effect affecting multiple



**PATIENT** Zoey Lita

osseous bone structures and adjacent tissues of the face and head, with aggressive biological behavior spanning externally throughout the nasal, frontal planum, and calvarium, with cribriform interruption and meningeal infiltration. The differential diagnosis includes neoplasms, for example, multilobular osteochondrosarcoma, chondrosarcoma, fibrosarcoma, and squamous cell carcinoma.

- SPECIES** Canine
- Bilateral sinusitis, and/or mass infiltration (> left side).
  - Left side exophthalmia.
  - Left retropharyngeal and mandibular enlarged lymph nodes, metastatic.
  - Absent triadans 110, 206, 306, 311, 401, 405 and 406.

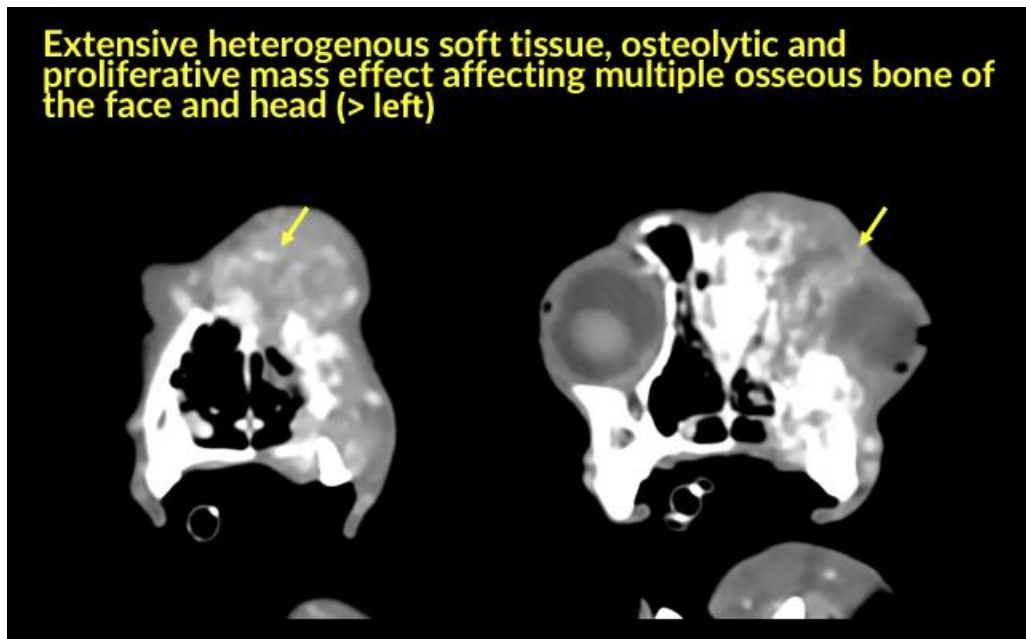
**BREED** **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**Mini Fox Terrier** The computed tomographic study reveals an extensive left side facial and calvarium mass effect. The coarse granular appearance of the lesion indicates multilobular osteochondrosarcoma; however, other neoplasm types are also considered as differential diagnoses. The lesion has an external expansion throughout the nasal, frontal, and periorbital/retrobulbar spaces, and these aspects explain the noticeable lump on the left side of the face and eye. A biopsy is needed for a definitive diagnosis. The long-term prognosis is poor.

**SEX** F

**AGE**

7 Years



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**REFERRING VET**

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**DATE**

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**PATIENT**

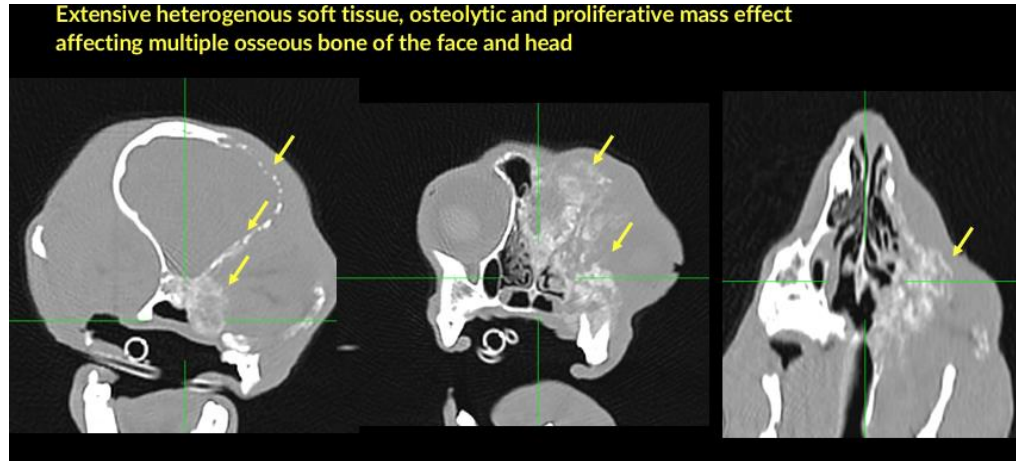
Zoey Lita

**SPECIES**

Canine

**BREED**

Mini Fox Terrier

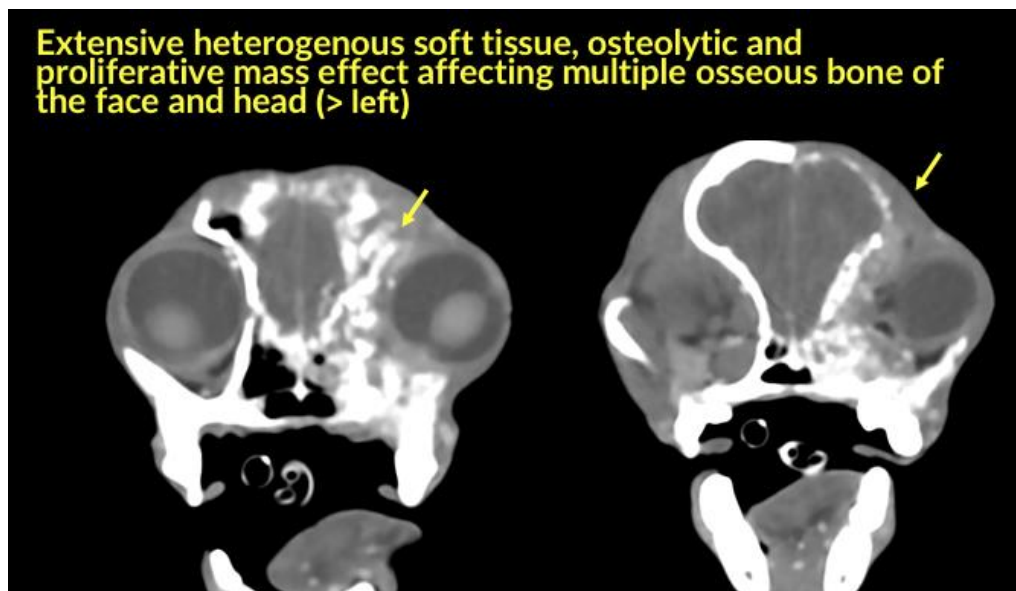


**SEX**

F

**AGE**

7 Years



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**REFERRING VET**

Shan Li

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.

**INVOICE**

59643

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info@sonopath.com

**DATE**

8-3-23