



PATIENT

Marbles Stringham

PRESENTING CLINICAL SIGNS

Marbles presented to emergency clinic 1 month ago for multi-trauma to skull, suspected from hit by car. Patient was referred to us for strategic/selective extraction(s) due to occlusal trauma with displaced mandible to the left. Patient is blind as a result of trauma.

SPECIES

Feline

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain study available for review.

BREED

Bengal

COMPUTED TOMOGRAPHIC FINDINGS

Patient has a history of facial trauma one month ago.

SEX

NM

The CT study reveals a left temporomandibular joint fracture. The condylar fovea of the left maxilla is separated from the temporal bone at its base. Mild periosteal new bone formation and closed medullary cavities with nonunified fracture margins are seen. Mild widening of the adjacent left oval foramen is noted.

AGE

6

There is a long sagittal fracture of the floor of the left orbita which extends into the left mandible and involves the left infraorbital canal as well as the caudal left maxillary alveolar margin. Complicated crown fractures of the triadans 208 and 209 are seen.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Maxillary and mandibular symphysiolysis is noted. The step formation of the maxillary symphysiolysis is mild. Marked ventral deviation of the left mandible with a moderate step formation is noted.

A cerclage wire is seen circumferential to the rostral mandibles.

HOSPITAL NAME

Animal Dental Clinic

Multiple comminuted facial bone fractures involving the frontal, nasal, maxillary, palatal, pterygoid bones are seen with generalized ventral and lateral deviation of the left facial bones. Longitudinal separation between the left maxillary and nasal bone is seen without evidence of soft tissue emphysema. Regional turbinate destruction is noted within the left nasal cavity as well as regional mucosal swelling.

REFERRING VET

Donald Otten

There is significant maxillomandibular malocclusion with leftward shift of the mandibles. The triadan 404 impinges onto the soft palate and mild inferior brachygnathia is seen.

The presphenoidal sinuses contain fluid attenuating material.

Mild right sided frontal sinus mucosal swelling and frontal sinusitis are noted.

INVOICE

56489

COMPUTED TOMOGRAPHIC DIAGNOSIS

DATE

1-31-23

- Multiple nonunion facial bone fractures.
- Left temporomandibular joint fracture involving the left oval foramen.
- Left orbital and maxillary fracture involving the left infraorbital canal and triadans 208 and 209.
- Maxillary and mandibular symphysiolysis
- Maxillomandibular malocclusion with occlusal trauma of the palate.
- Moderate destructive left rhinitis and presphenoidal sinusitis.



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- Mild right sided frontal sinus mucosal swelling and frontal sinusitis.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals multiple nonunified fractures of the facial bones, left temporomandibular joint, left maxilla, and left orbita, as well as maxillary and mandibular symphysiolysis with facial deformity and maxillomandibular malocclusion with occlusal trauma.

SPECIES

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Multiple defects within the nasal cavities are seen accentuating the left side. At this time, there is no evidence of peripheral soft tissue emphysema. However, signs of destructive rhinitis are seen which may be a consequence of the trauma, necrosis, or superinfection.

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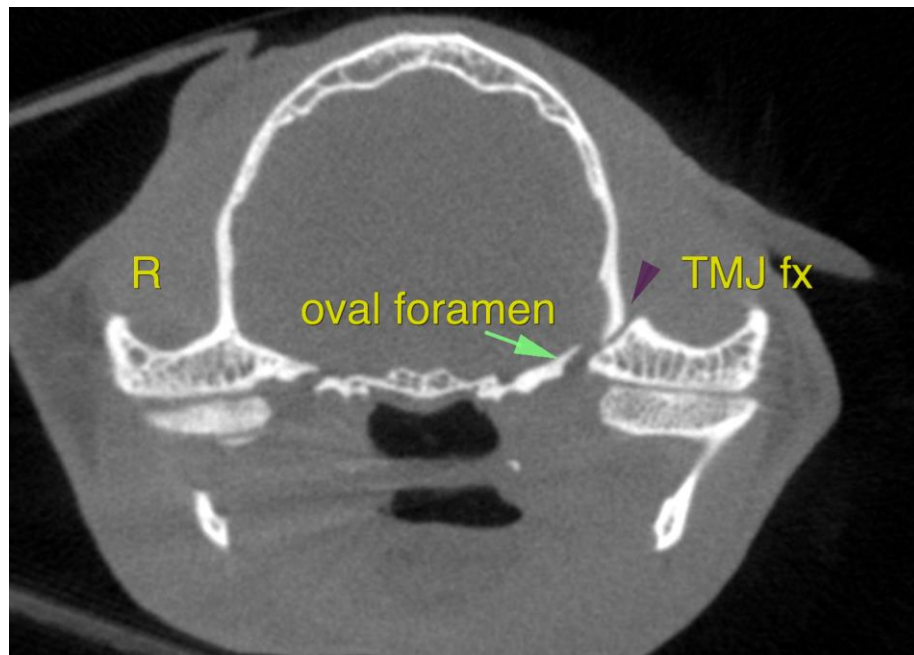
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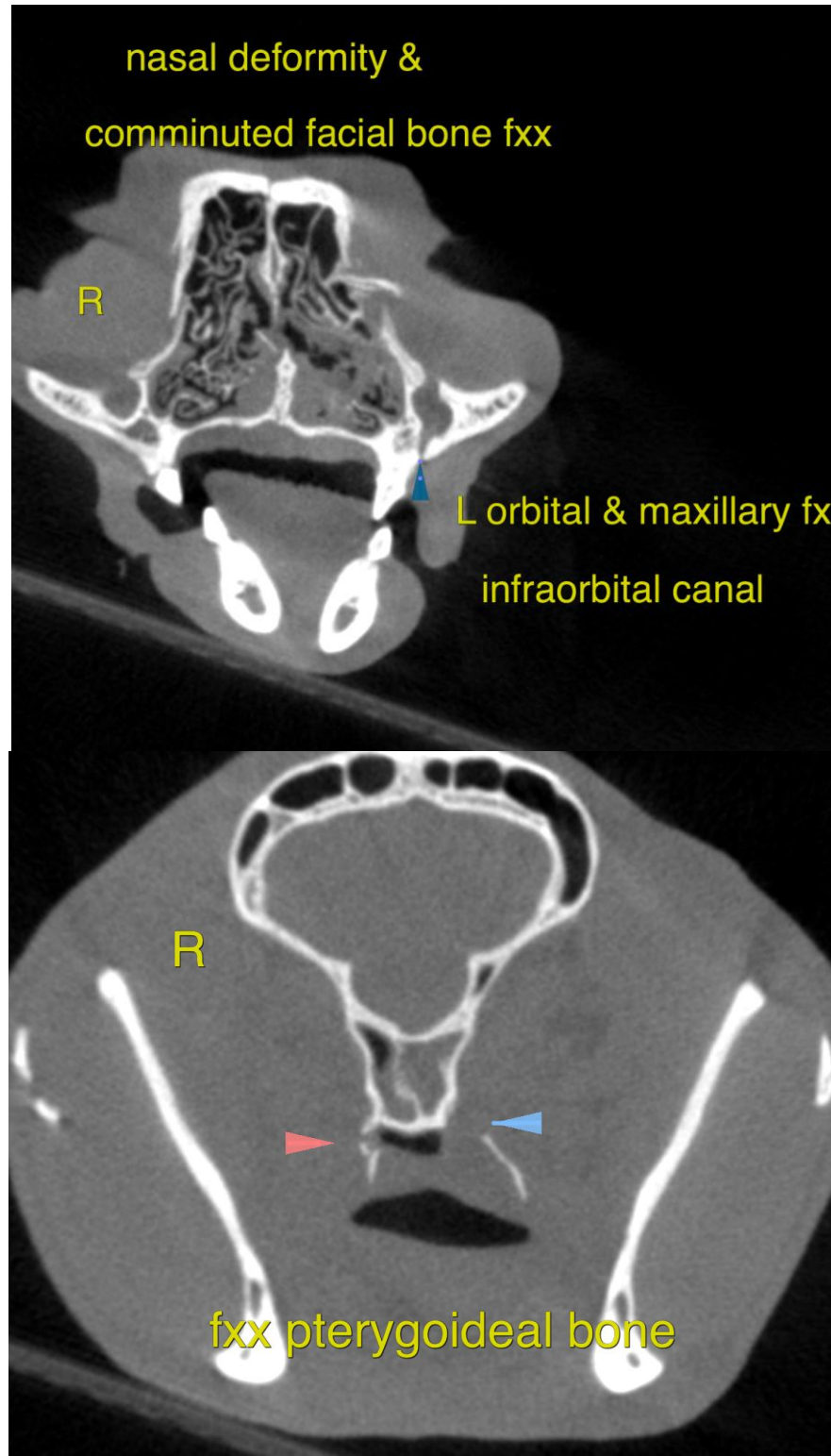
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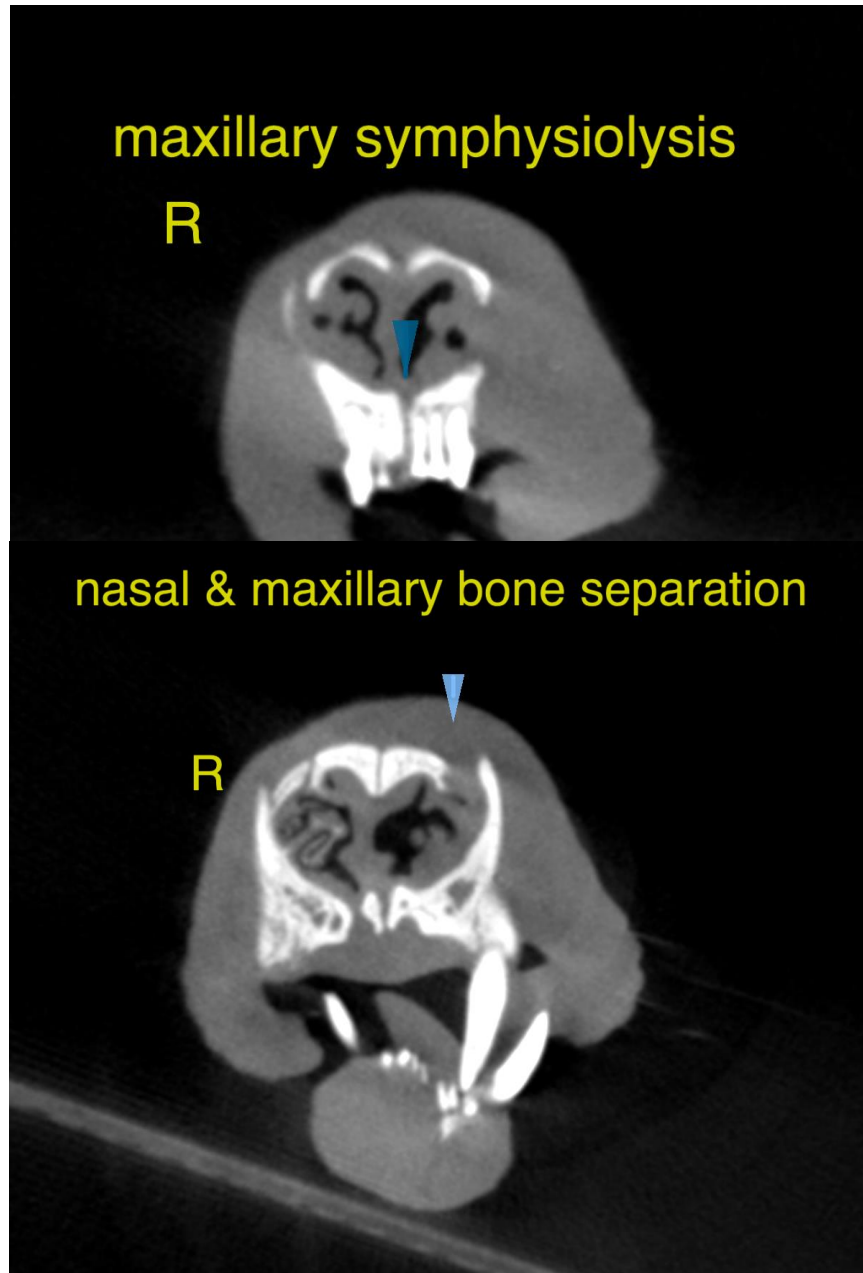
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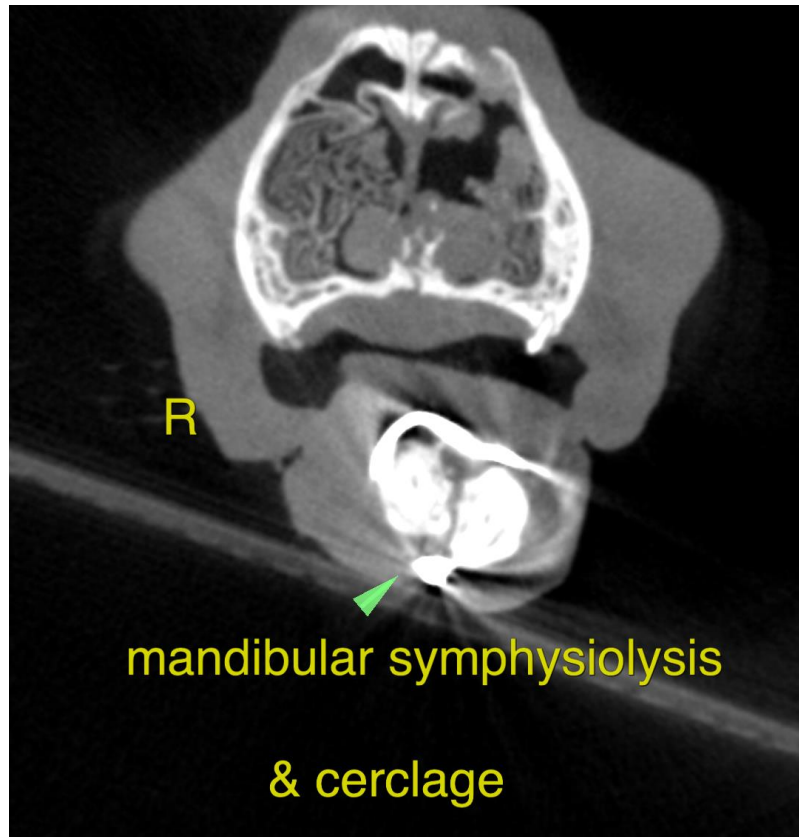
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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