



PATIENT

Bullett Flum

PRESENTING CLINICAL SIGNS

Pet was hit by a car yesterday on 11/9. Severe facial swelling, mostly on the L side. Mandible misaligned. Possibly neurologic or extremely painful- vocalizes and attempts to bite with any attempt at contact (petting, restraint). X-rays concerning for multiple fractures of the head and face, as well as the possibly the cervical spine. On narcotic pain control and Mannitol.

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & NECK

Plain and post contrast studies from the nose to the 5th cervical vertebra available for review.

BREED

Belgian Malinois

COMPUTED TOMOGRAPHIC FINDINGS

Multiple facial bone fractures are seen including longitudinal fractures of the left hard palate, left maxillary, left nasal bone, and left frontal bone.

SEX

M

Comminuted injury of the left orbita and left frontal bone is seen as well as sagittal fracture of the left hamulus of the pterygoid bone.

AGE

19 Weeks

There is a sagittal fracture of the condylar process of the temporal bone within the left temporomandibular joint with articular surface involvement.

The cranial vault is intact except for a small nondisplaced fracture in the rostroventral part of the left frontal bone.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Extensive fluid accumulation is noted within the left nasal cavity and left frontal sinus.

The mandibles are intact however leftward shift of the mandibles is seen.

There is a fracture within the left ventral arch of the atlas. Mild widening of the midline suture of the dorsal arch of the atlas is seen. At this time, there is no evidence of atlantoaxial displacement.

HOSPITAL NAME

Wilson Veterinary
Hospital

Emphysema is noted dorsal to the left frontal sinus due to comminuted fracture of the external lamina of the left frontal sinus.

There is a mild emphysema within the retrobulbar soft tissues of the left orbita as well.

REFERRING VET

Dr. Amy Hawkins

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Multiple acute traumatic facial bone fractures involving the left palatal, left maxillary, left nasal, left frontal, and left pterygoid bones.
- Comminuted fracture of the left bony orbita.
- Left temporomandibular joint fracture.
- Maxillomandibular malalignment.
- Fractures of the dorsal and ventral arch of the atlas without concurrent atlantoaxial subluxation at the time of the examination.

INVOICE

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DATE

11-10-22



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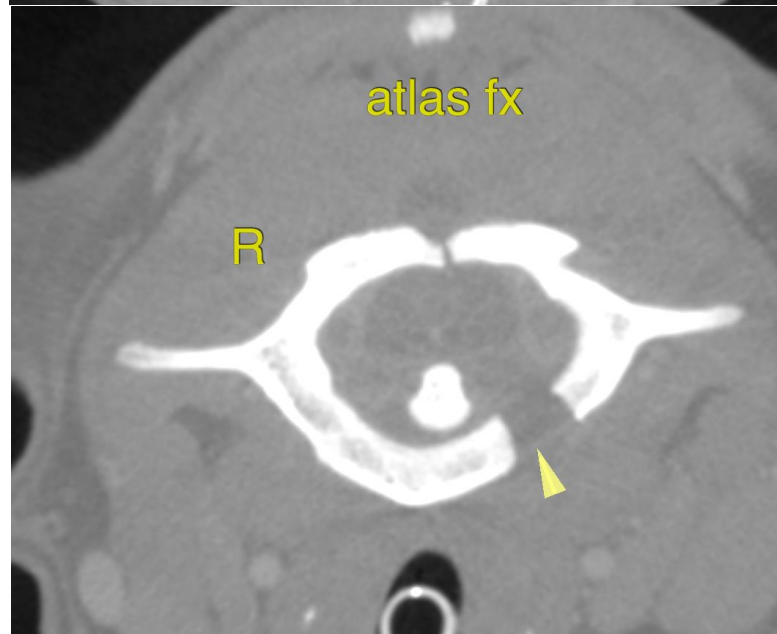
DATE

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study confirms presence of multiple left sided facial bone injury; left temporomandibular joint fracture, comminuted fracture of the left orbita, and fracture of the left rostral frontal bone with calvarial involvement. Moreover, fractures of the dorsal and ventral arch of the atlas are noted. Most of the facial bone fractures present minimal to mild displacement. The left orbita, maxilla, and palate have to be considered unstable. Note the presence of concurrent nondisplaced left temporomandibular joint fracture with articular involvement.

The fractures of the atlas are not concurred by atlantoaxial subluxation at this point. However, displacement may have been present during or after the injury and there is a risk of sustaining further displacement.





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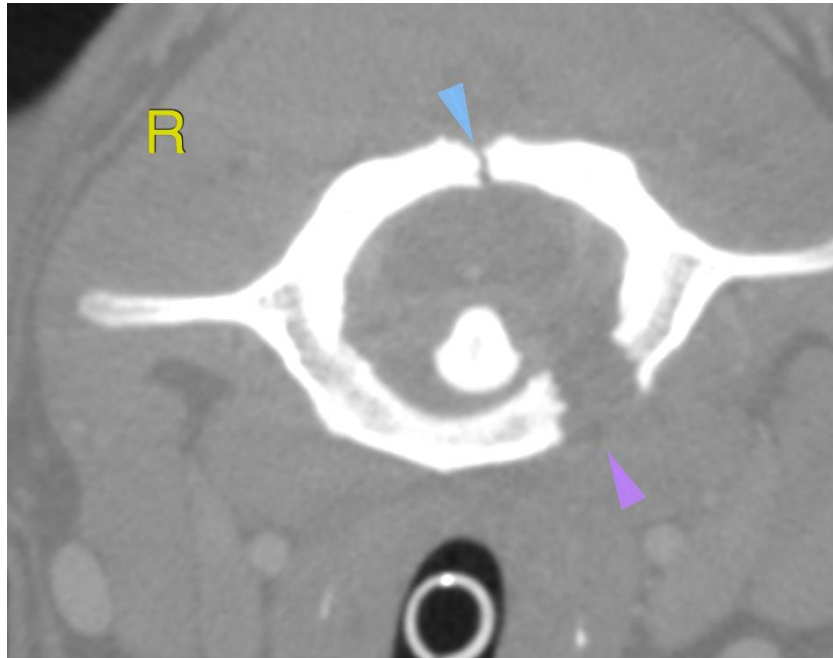
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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