



PATIENT PRESENTING CLINICAL SIGNS

Tuff Joling
SPECIES Canine
BREED Heeler Mix
SEX MN
AGE 6 Years

Presenting Complaint: left eye injury, acute onset Significant PE Findings: OS: blepharospasm and bleeding, elevated nictitans, lens appears to be medially displaced and globe appears to be ruptured. Bruising with some bleeding in left posterior oropharynx. Painful DDx: globe rupture, penetrating trauma, abscess DIAGNOSTICS: none Client Discussion: The blood in the back of the mouth was noted as well as bruising. He is Addisonian. 0.5 mg/kg BID fludrocortisone, 1.25 mg prednisone EOD next dose is tomorrow. Otherwise has been healthy and eating and drinking Discussed PE findings, the eye appears ruptured and needs to be removed. There is trauma in his mouth as well so it is suspected that there was penetrating trauma that caused damage in the mouth and caused severe injury to the left eye. Recommend hospitalization for pain management and CT imaging to determine the best course of action since there is suspected injury to areas that cannot be easily evaluated. There is also risk to doing a procedure without being able to assess what other important structures are impacted or could be impacted by the procedure ASSESSMENT/Dx: ruptured left eye, oral trauma Plan for CT for diagnosis and possible surgical plan.

COMPUTED TOMOGRAPHY OF THE SKULL

A high resolution pre- and post-contrast CT study of the skull is provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

The rostral third of the left zygomatic arch presents with an comminuted fractured with mild to moderate medial deviation of the caudal segment of the left zygomatic arch into the left orbit. The left ocular bulb is deviated rostrally, presents a loss of its normal globoid conformation, the volume is moderately decreased and the shaped is irregular. Gas inclusions are seen within the left ocular bulb.

The rostral aspect of the left temporal muscle presents a mild heterogeneous contrast enhancement pattern.

A generalized moderate soft tissue swelling is appreciated along the left lateral aspect of the skull

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

The ventral rim of the retroarticular process of the left temporomandibular joint is separated from the base by a mild serrating fracture line and mildly displaced ventrally. The condylar process of the left mandible is intact and in situ within the mandibular fossa of the left zygomatic process of the temporal bone.

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. In the most medial aspect of the horizontal segment of the right external ear canal, a non-contrast enhancing soft tissue attenuating structure is noted.

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

INTERPRETED BY

Sebastian Schaub, DVM
 Dr. med. vet. DipECVDI

HOSPITAL NAME

Southern Oregon
 Veterinary Specialty
 Center

REFERRING VET

Fugazzi

INVOICE

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9-7-22



PATIENT

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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.

COMPUTED TOMOGRAPHIC DIAGNOSIS

SPECIES

Canine

- Acute traumatic comminuted fracture left zygomatic arch with mild medial deviation of the caudal segment into the left orbit
- Ruptured left ocular bulb
- Acute traumatic fracture retroarticular process left temporomandibular joint
- Suspect hematoma rostral aspect left temporal muscle
- Generalized soft tissue swelling along the left side of the skull

BREED

Heeler Mix

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

MN

The findings of the CT study indicate preceding blunt craniofacial trauma with fracture of the left zygomatic arch, retroarticular process of the left temporomandibular joint and blunt left ocular trauma with ruptured globe. Enucleation of the left eye is the therapy of choice. Conservative management of the fractured left zygomatic arch appears suitable, although surgical reduction might be considered.

AGE

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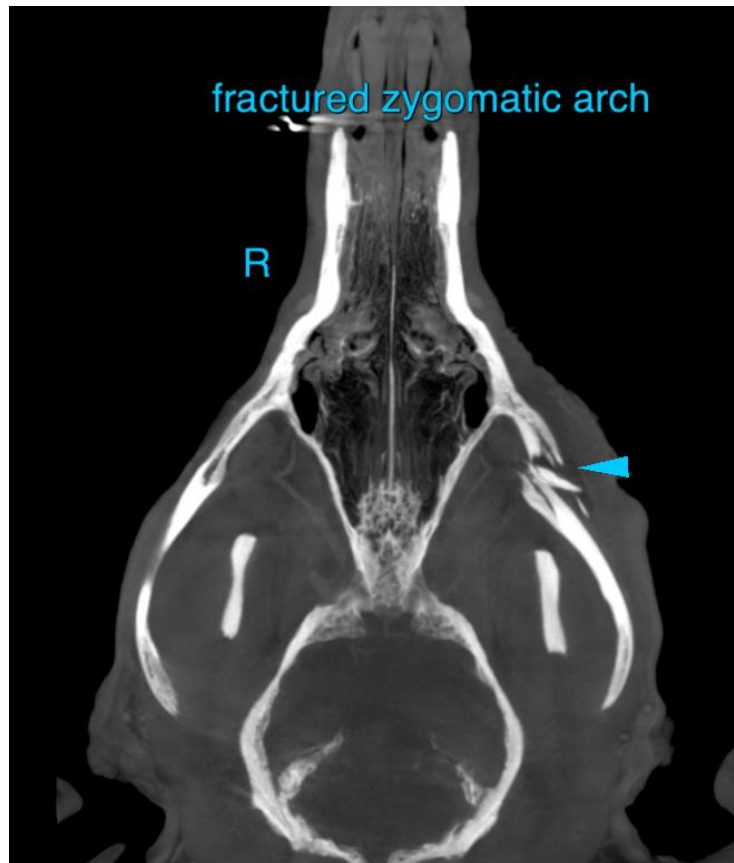
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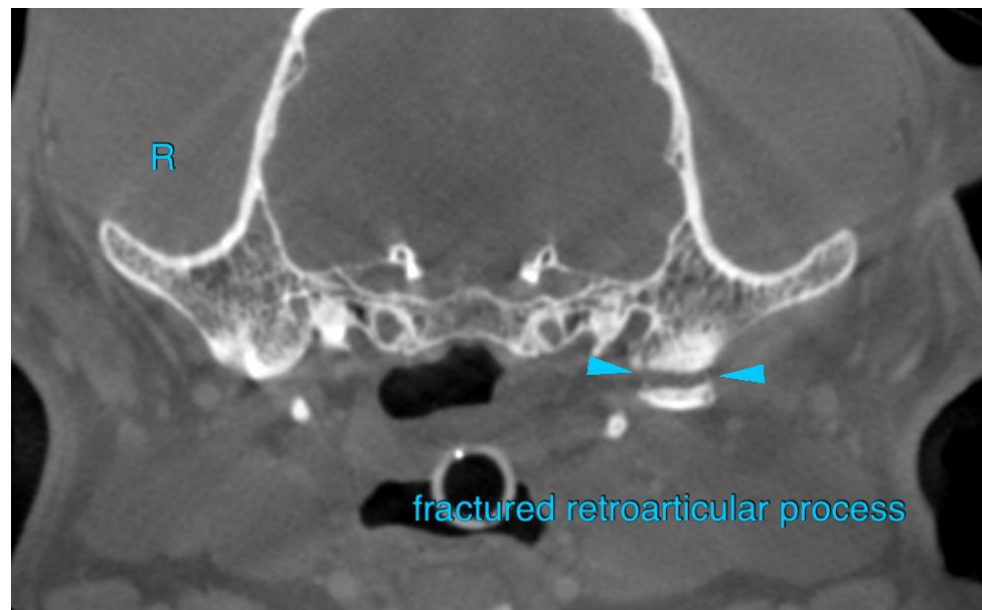
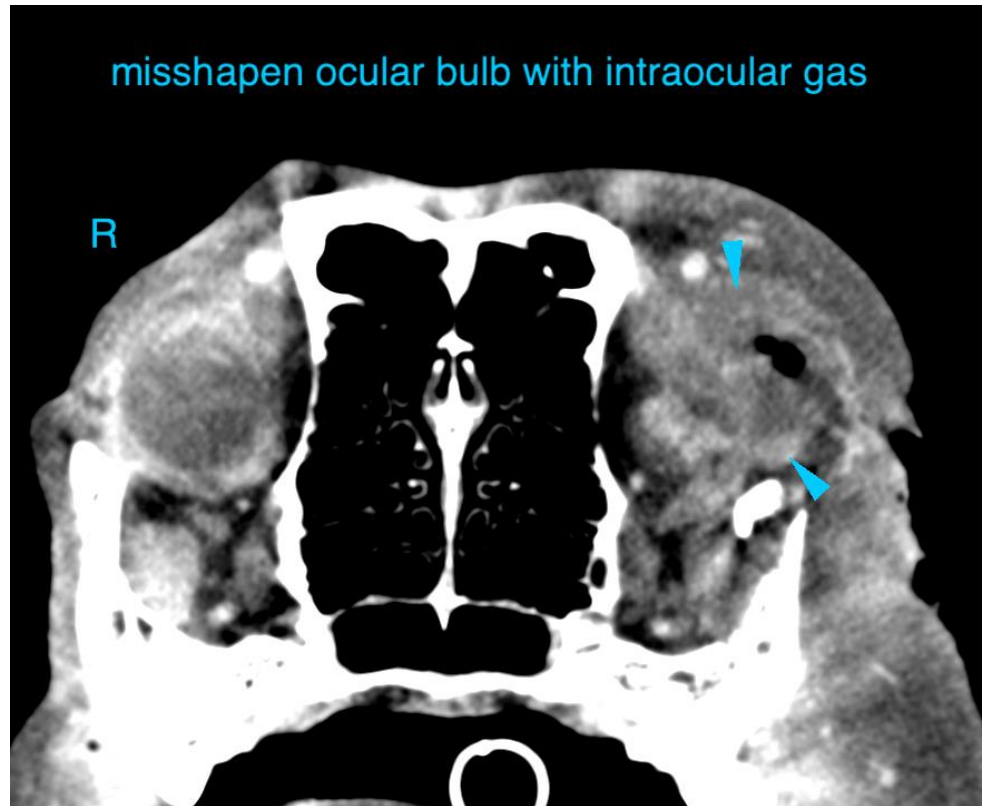
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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