



PATIENT PRESENTING CLINICAL SIGNS

Liam Rescue Paws
Furry Hearts

Belongs to a rescue organization. Rescued at ~5 wks of age, presented bleeding through the one nostril, loaded with fleas, unable to stand, comatose. Was painful upon opening of the mouth, with suspected jaw fractures, and possible palate fracture. At one point the pet was circling. Have been treating symptomatically and with supportive care including acupuncture. Overall significant improvements noted. Strongly suspect skull trauma.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Blind OU, enophthalmia OD with scar in center. No nasal discharge noted during the scan.

COMPUTED TOMOGRAPHY OF THE SKULL

BREED

Mix

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

SEX

Intact Male

COMPUTED TOMOGRAPHIC FINDINGS

The osseous lining of the caudal aspect of the midface presents mild to moderate deviation of the osseous structures with evidence of chronic comminuted fracture of the maxillary bone, nasal bone, palatine bone and ethmoid bones. The horizontal plate of the right & left palatine bone are mildly overriding in the midline. The cribriform plate cannot be delineated in all parts. Moderate narrowing of the choana due to malalignment of the osseous margins is appreciated. Destruction of the left nasal conchal structures is appreciated.

AGE

~8 Weeks

The right ocular bulb presents a moderately decreased volume and is mildly misshapen.

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

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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

A generalized moderate midline shift of the telencephalon to the left is appreciated, causing left sided deviation of the falx cerberi. In the region of left capsula interna, a hypoattenuating zone is appreciated.

HOSPITAL NAME

Mobile Pet Imaging

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

REFERRING VET

Meaux

- Chronic mildly displaced comminuted fracture of the viscerocranium with involvement of the rostral aspect of the neurocranium
- Perforation of the cribriform plate
- Choanal stenosis due to malalignment of the osseous margins
- Asymmetry of the telencephalon with midline shift to the left
- Right sided microphthalmos – suspect secondary to blunt trauma

INVOICE

52574

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

DATE

6-22-22

The findings confirm the suspicion for multiple fractures of the viscerocranium, involving the rostral part of the neurocranium with mild to moderate malalignment of the osseous structures and secondary choanal stenosis.



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The asymmetry of the brain can be caused by traumatic induced encephaloclastic defects of the brain, causing decreased volume of the left cerebral hemisphere. However increased volume of the right cerebral hemisphere (e.g. edema, inflammation, hemorrhage, (neoplasia)) is considered as well but considered less likely. MRI could be used for further workup.

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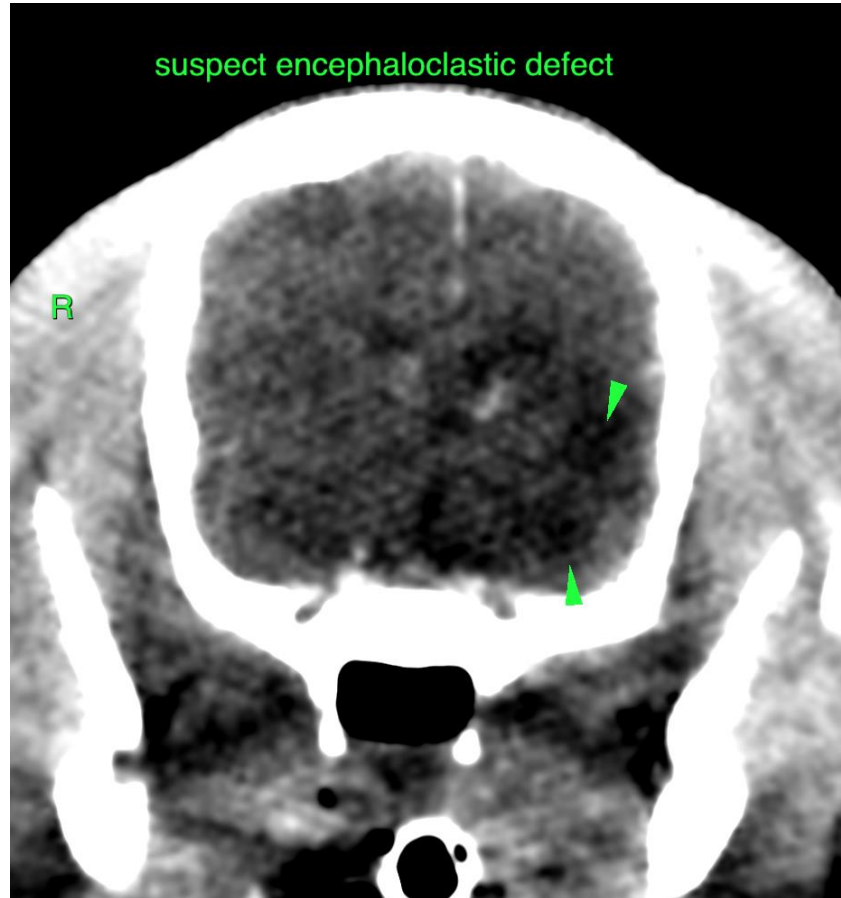
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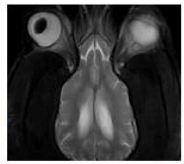
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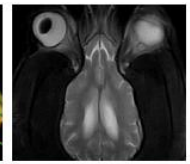
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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.

BREED

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