



**PATIENT PRESENTING CLINICAL SIGNS**

Jax Dawson Lethargy starting Monday night, hyporexic Tuesday, this morning patient developed swelling around the right eye, a change in the dog's bark (higher pitched). Temp: 102.7.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Leukocytosis with neutrophilia - WBC 21.8, Neut 15.35  
Mild puppy anemia (33.7% HCT) NSAID/lytes panel - unremarkable Sedated oral exam: no soft tissue swelling or foreign material observed. Marked pain while under sedation when opening the jaw. No FB in aural canal or conjunctiva. Follicular conjunctivitis OD. Radiographs - skull: no lytic/bony changes, no obvious foreign material or esophageal dilation observed. Normal appearing skull radiographs.

Canine

**BREED COMPUTED TOMOGRAPHY OF THE SKULL**

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

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX** The dentition is age related normal, presenting deciduous teeth and early stage of eruption of the permanent teeth.

Male

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

**AGE** The condylar process of the left mandible presents with a sagittal fissure line extending up to the surface of the subchondral bone.

2 Months

**INTERPRETED BY** In the ventral aspect of the right orbit, a moderate, mild hypoattenuating soft tissue swelling is appreciated - in the dorsolateral aspect of the right zygomatic gland - with multiple small gas inclusions. The right ocular bulb is deviated dorsally and laterally by the mass effect.

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.

**HOSPITAL NAME** 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.

Mountain West  
Veterinary Hospital

The right mandibular lymph nodes are prominent in comparison to the left mandibular lymph nodes.

**REFERRING VET COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Burton
- Hypoattenuating swelling ventral aspect right orbit with multiple gas inclusions
  - Secondary right sided exophthalmos
  - Mild lymphadenopathy right mandibular lymph nodes
  - Incomplete sagittal fissure line medial aspect left mandibular condyle

**INVOICE**

52653

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE**

6-30-22

The swelling in the right orbit is consistent with retrobulbar abscess formation in the ventral aspect of the right orbit. Surgical drainage is the therapy of choice, no foreign material is appreciated by CT, however isoattenuating material cannot be ruled out. Theoretically sialoceles of the right zygomatic gland is a potential, but due to the age and gas inclusions the odds are very low.



**PATIENT**

Jax Dawson

Secondary reactive hyperplasia of the tributary lymph nodes.

The fissure line of in the medial aspect of the left condylar process of the mandible is most likely represents disturbed endochondral ossification and is considered as an incidental finding. In case of preceding trauma to the skull, traumatic fissuring of the mandibular condyle is a differential.

**SPECIES**

Canine

**BREED**

Bernese Mountain

**SEX**

Male

**AGE**

2 Months

**INTERPRETED BY**

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**HOSPITAL NAME**

Mountain West  
Veterinary Hospital

**REFERRING VET**

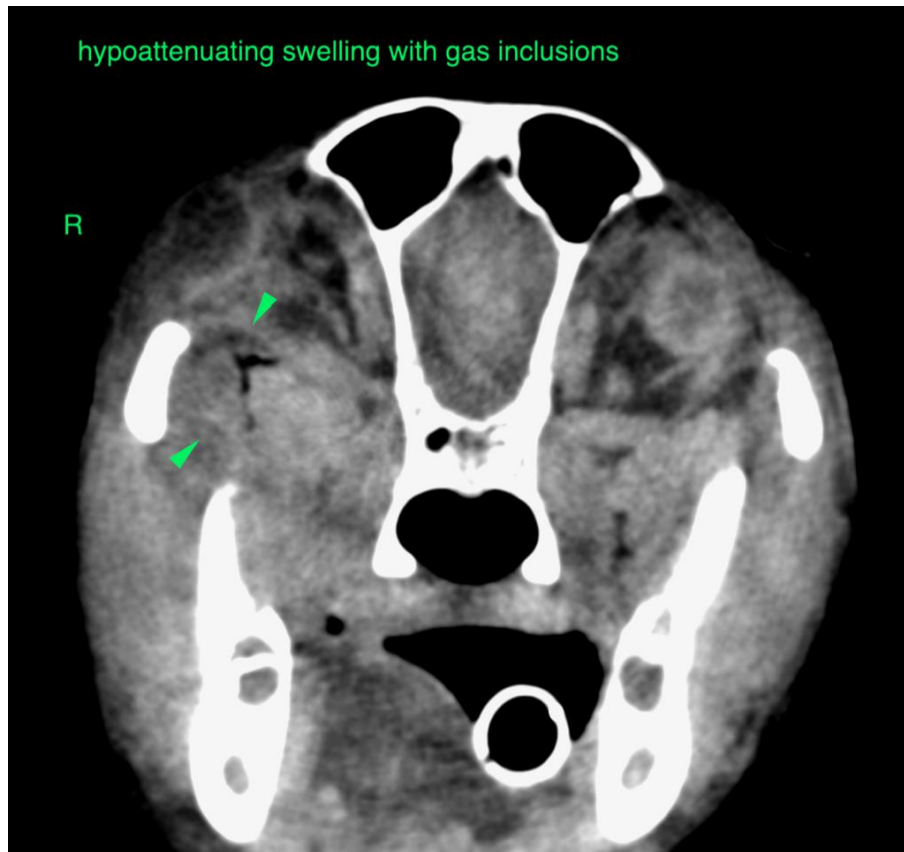
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**PATIENT**

Jax Dawson

**SPECIES**

Canine

**BREED**

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**SEX**

Male

**AGE**

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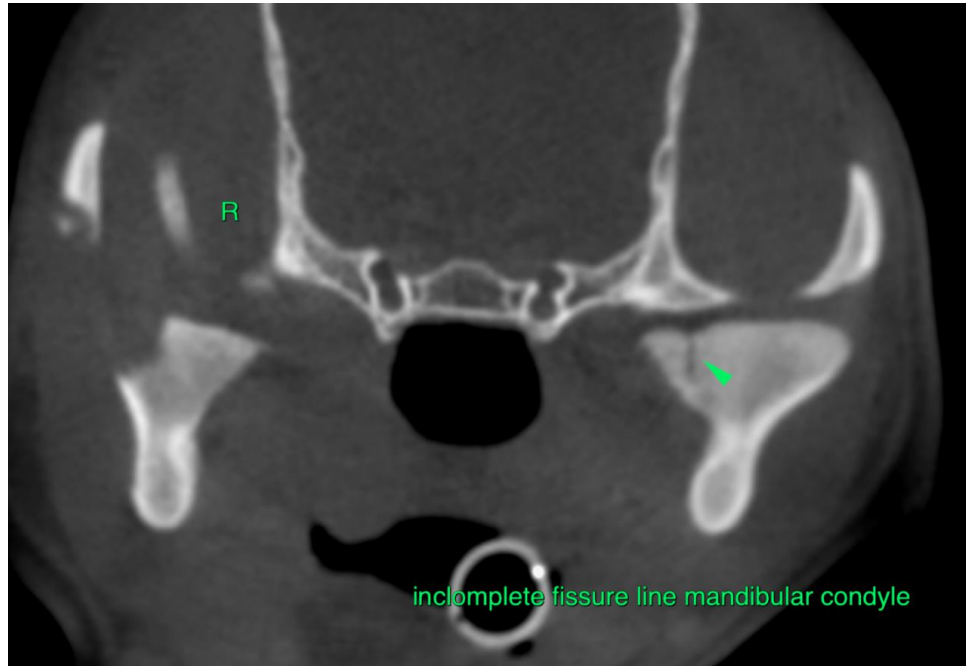
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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