



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Chloe Elazari
SPECIES Canine
BREED Pug
SEX FS
AGE 12 Years

Recent History The 60 lb English bulldog in the home grabbed her by the face and shook her tonight. Incidents like this have happened multiple times before. Seemed to happen out of no where. Normally has snorty breathing - stertor is common since her last attack, her nose was broken last time - but maybe a little worse now No previous issues with her right eye, but her eyesight does seem to be worsening in that eye. With further questioning her eyesight has not been great over the past few months. Current medications: Sildenafil 5 mg PO q12 - last given at 10 am No further episodes of syncope since last year - previously has had collapse and defecation when attacked and did not this time Previous History: Mild MVD Moderate pulmonary artery hypertension T3-L3 myelopathy managed medically with steroids (in Oct 2021) - doing well since then, going to physio and improving. Multiple previous dog attacks and bites Hx enucleation OS 8 years ago due to popping out when playing Bump on her tail - owners would like to have that removed if she undergoes GA. It has been growing.

Abnormal PE/Chem/CBC/UA Results: Nasal trauma - r/o fracture, damage to turbinates/sinus, occlusion of airway Ocular trauma - risk of glaucoma, loss of eyesight, corneal ulcer, uveitis Stertor - some of this is chronic, but some worsened by this attack Dog bite punctures - risk of infection, damage to nasal cavity, damage to eye Pulmonary crackles - suspect secondary to PAH Hx PAH Hx MVD Hx T3-L3 myelopathy

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

A pre- and post-contrast CT study of the skull and thorax in a bone, lung and soft tissue reconstruction are provided for review.

INTERPRETED BY COMPUTED TOMOGRAPHIC FINDINGS

Sebastian Schaub, DVM
 Dr. med. vet. DipECVDI

Skull

HOSPITAL NAME Animal Health Partners

There is a breed specific bradygnathia inferior. Multiple teeth are absent. Triadan 404 presents a moderate widening of the periodontal space. Triadan 303 is absent, but a small retained fragment of the root within the respective alveolar crest. The remaining teeth present evidence of moderate periodontal disease.

REFERRING VET Dr. Jeffery Biskup

The nares are asymmetric with mild narrowing of the right nasal opening. The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining. Multiple small gas inclusions are seen in the subcutaneous tissue at the right dorsal aspect of the nose.

The left ocular bulb is absent. No abnormalities of the right ocular bulb are appreciated.

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

DATE 1-12-22

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The horizontal segment of both external ear canals is collapsed in the medial aspect. There is convex shaped soft tissue attenuating lesion protruding beyond the level of the tympanic membrane into the tympanic bulla bilaterally

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.



PATIENT The ventricular system is non-dilated and symmetric.

Chloe Elazari 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.

SPECIES Multifocal moderate spondylosis formation is seen along the caudal cervical spine. The intervertebral disc spaces C5/C6 to C7/T1 are moderately narrowed with a small vacuum phenomenon within the respective intervertebral disc spaces.

Canine

BREED Thorax

Pug The vertebral endplates of the thoracolumbar junction present moderate spondylosis formation. The shoulder joints bilaterally present mild osteophyte new bone formation.

SEX The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform and considered within normal limits.

FS

The cardiovascular structures including the pulmonary vasculature are within normal limits.

AGE The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

12 Years

INTERPRETED BY The lung parenchyma is aerated. Multiple interstitial bands are extending from the periphery into the parenchyma of the lung lobes.

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Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

HOSPITAL NAME Nodular enlargement of the right adrenal gland is seen, measuring 8 mm in size.

Animal Health
Partners

COMPUTED TOMOGRAPHIC DIAGNOSIS

REFERRING VET

Dr. Jeffery Biskup

- Current state post nasal trauma with potential cutaneous perforating wounds versus trapped gas between cutaneous nasal folds
- Narrowed nares bilaterally, R>L
- Fractured 304 with small, retained fragment of the root – acute versus chronic
- Periodontal disease 404
- Suspect bilateral otitis externa with hyperplastic epithelial lining versus polypoid epithelial lesion
- Nodular enlargement right adrenal gland
- Chronic discopathy caudal cervical spine and caudal thoracic spine
- Suspect mild interstitial pulmonary scarring
- Multiple absent teeth
- Moderate spondylosis formation
- Degenerative osteoarthritis shoulder joints bilaterally
- History of enucleation OS

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Chloe Elazari

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The current CT study presents without evidence of fractures of the viscerocranium. There is significant narrowing of the right nasal opening fir potential local stenosis impairing air-flow.

SPECIES

Canine

A dental workup might be beneficial.

BREED

Pug

The nodular enlargement of the right adrenal gland is suggestive for (non)functional nodular hyperplasia versus neoplastic disease (e.g. adenoma, adenocarcinoma, pheochromocytoma).

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INTERPRETED BY

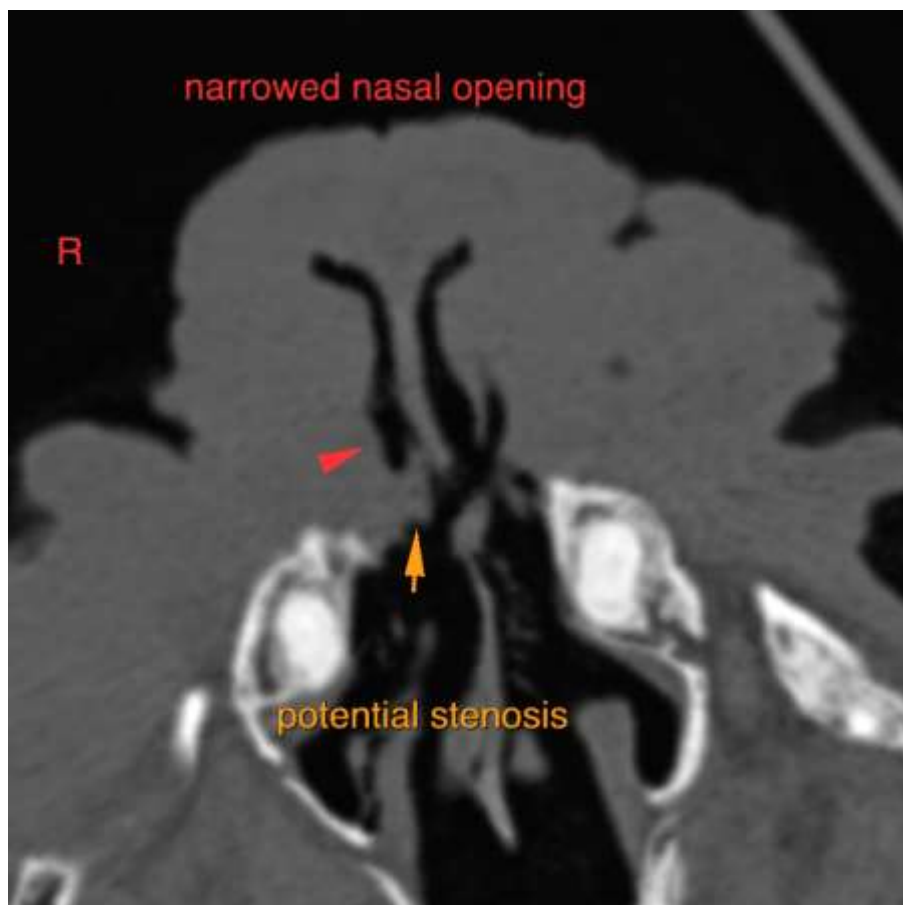
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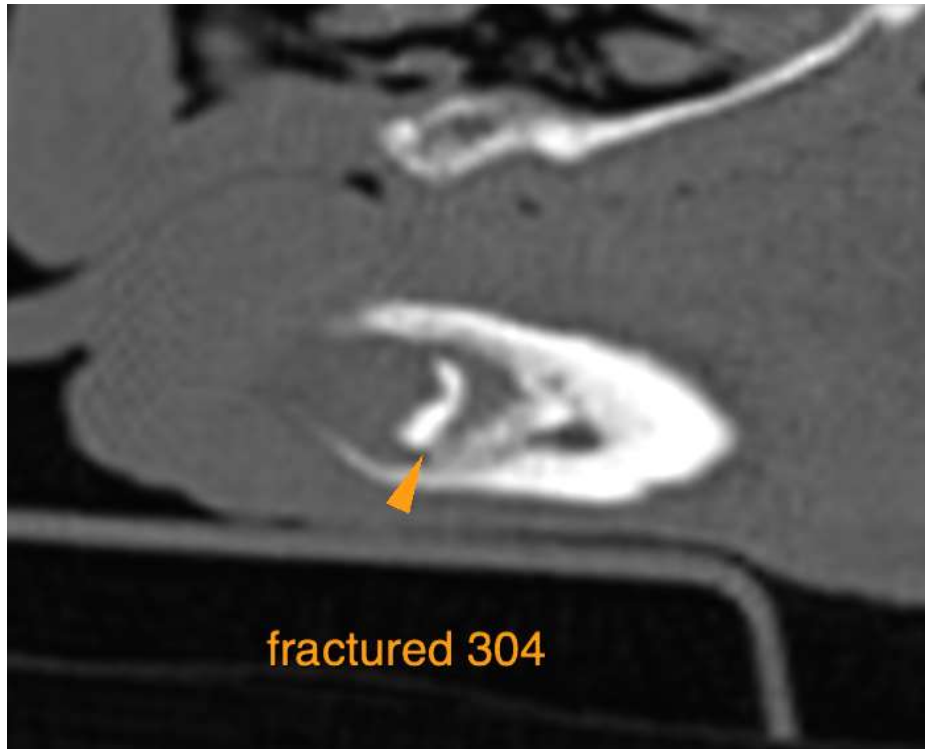
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fractured 304

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The information and recommendations provided are based on the images presented by the referring veterinarian. 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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