



PATIENT PRESENTING CLINICAL SIGNS

Riggs Behrmann History: Nasal discharge, episodes of coughing vs secondary to post-nasal drip? or other.
Abnormal PE/Chem/CBC/UA Results: mucoid, blood tinge discharge noted during scan

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE SKULL, THORAX AND ABDOMEN

Canine A high resolution pre- and post-contrast CT study of the skull and abdomen and a post-contrast CT study of the thorax are provided for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

German Shepherd
Mix

Skull:

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

SEX

Spayed Female

The right nasal cavity is a moderate amount of non-contrast enhancing material is attached to the nasal mucosal lining. Post contrast administration the mucosal lining of the right nasal cavity is moderately thickened and localized destruction – level with triadan 108 – of the conchal and turbinate structures is visible. Non-contrast enhancing material is attached to the mucosal lining of the right frontal sinus, there is mild to moderate hyperostosis of the osseous lining of the right frontal sinus and mild hyperostosis of the right maxillary bone level 108. The cribriform plate is intact.

AGE

6 Years 6 Months

The left nasal cavity is within normal limits.

INTERPRETED BY

Sebastian Schaub,
DVM Dr. med. vet.
DipECVDI

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

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

Mobile Pet Imaging

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.

REFERRING VET

Meaux

The right mandibular lymph nodes are prominent, uniform soft tissue attenuating with a heterogeneous contrast enhancement pattern.

Thorax:

Multifocal mild spondylosis formation is seen along the thoracic spine.

INVOICE

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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.

DATE

8/13/21



PATIENT

Riggs Behrmann

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

SPECIES

Canine

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.

The caudodorsal dependent aspect of the left caudal lung lobe presents a region with dystelectasis. The remainder of the lung parenchyma present the expected architecture and attenuation behavior.

BREED

German Shepherd
Mix

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

Abdomen:

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

SEX

Spayed Female

Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

AGE

6 Years 6 Months

The adrenal glands are within normal limits for size, shape and organ architecture.

Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

INTERPRETED BY

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The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

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Multifocal mild spondylosis formation is seen along the lumbar spine. Multiple intervertebral discs of the lumbar spine are mildly protruding into the vertebral canal, distorting the ventral epidural space at the same level. Very mild osteophyte formation is present at the femoral heads bilaterally.

COMPUTED TOMOGRAPHIC DIAGNOSIS

REFERRING VET

Meaux

- Right sided destructive rhinitis and hyperostosis of the osseous lining including the right frontal sinus
- Lymphadenopathy right mandibular lymph nodes
- Very mild degenerative osteoarthritis coxofemoral joints bilaterally
- Mild intervertebral disc protrusions multifocal along the lumbar spine without compressive myelopathy
- Spondylosis deformans
- Normal thorax but region of dystelectasis left caudal lung lobe

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PATIENT INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Riggs Behrmann The findings are highly suggestive for mycotic rhinitis and mild to moderate focal destruction of the conchal and turbinate structures in the right nasal cavity. Aspergillosis is most likely. The findings are atypical for nasal neoplasia.

SPECIES

Canine
Secondary reactive hyperplasia of the ipsilateral mandibular lymph nodes.

Recommended rhinoscopy for further evaluation with sampling for culture and histopathology (detection of fungi microscopically is more straightforward than with culture in many cases) followed by local antimycotic therapy.

BREED

German Shepherd Mix
The thorax presents without pathology and cough secondary to the upper airway disease is considered most likely here.

SEX

Spayed Female

AGE

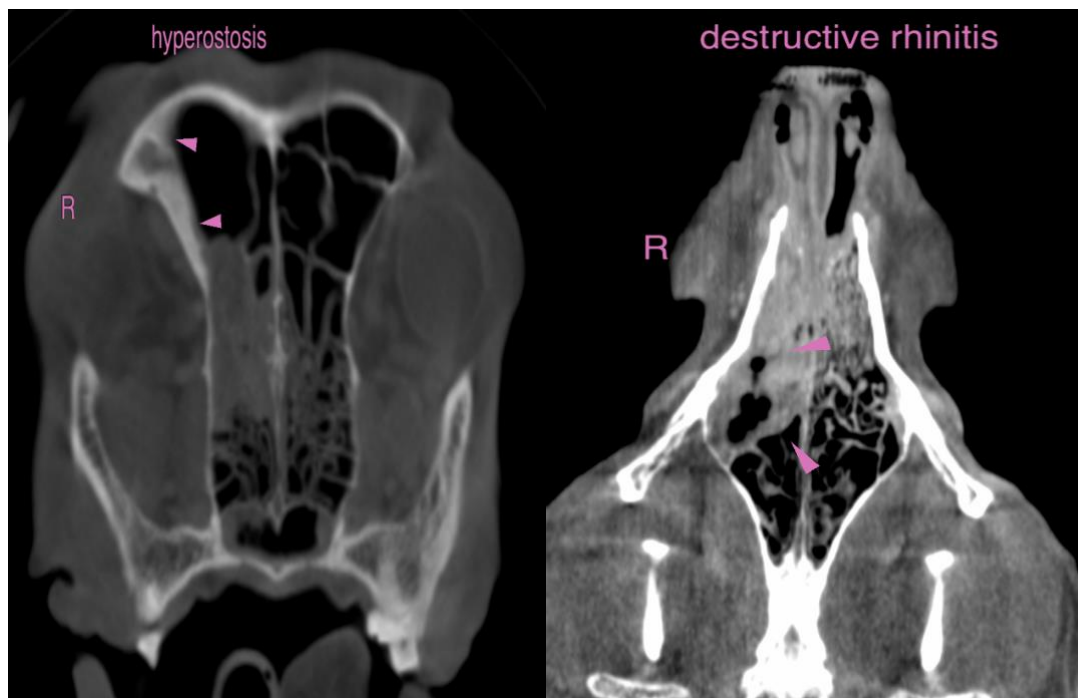
6 Years 6 Months

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HOSPITAL NAME

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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.

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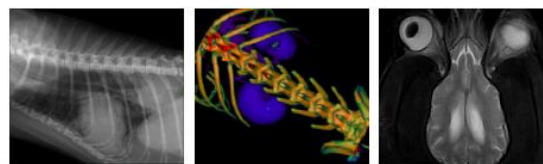
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Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
sebast.schaub@gmail.com

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SPECIES

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