



**PATIENT PRESENTING CLINICAL SIGNS**

**Butch Cone** Butch presents for a consult for a possible CT for nasal discharge. Owner states that Butch started to have nasal discharge in February of this year. Owner states that it started when they came back from the beach so they thought it was red tie. Owner took Butch to RDVM they gave him Dex SubQ, Baytril SubQ, Lasix SubQ, Pred SuBQ. Per Owner nothing seems to help Butch. He still sleeps at night without waking up. He is otherwise a healthy boy.

**SPECIES**

Canine

**COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN**

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

**BREED**

French Bulldog

**COMPUTED TOMOGRAPHIC FINDINGS**

Skull

**SEX**

Multiple teeth are absent.

**MN**

A small amount of fluid attenuating material is attached to the nasal mucosal lining.

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

**AGE**

18 Months

The left tympanic bulla contains a moderate amount of gravity dependent, fluid attenuating material. The external ear canals are within normal limits.

**INTERPRETED BY**

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.

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

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.

**HOSPITAL NAME**

Critical Vet  
Care/Suncoast  
Veterinary

A stitching artefact is seen level with the neck.

Thorax

Multiple hemivertebra are seen along the thoracic spine. The osseous and soft tissue structures of the front limbs present no abnormalities – evaluation of the distal segments is limited by the stitching artefact.

**REFERRING VET**

Dr. Young

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.

**INVOICE**

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

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. Multifocal peribronchial small zones with ground glass attenuation pattern are noted.

**DATE**

3-23-23

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

Abdomen



**PATIENT** The caudal part of the abdomen is cropped by the field of view.

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

**SPECIES** 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.

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

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

French Bulldog The portal vein presents a normal order of its tributary veins and intrahepatic branching. No abnormal vessel is noted inside and outside of the liver parenchyma.

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

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

**AGE** The bony and surrounding soft tissue structures reveal no abnormalities.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

18 Months

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

- Rhinitis
- Mild peribronchial patchy zones of unstructured interstitial pattern
- Mild left sided otitis media – suspect primary secretory
- Multiple hemivertebra along the thoracic spine
- Multiple absent teeth
- Normal cranial abdomen

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The computed tomographic findings are highly suggestive for non-specific rhinitis (e.g. lymphocytic plasmocytic, eosinophilic) ± bacterial superinfection. The changes noted are not typical of fungal rhinitis, foreign body related rhinitis or underlying dental disease. Rhinoscopy including sampling for histopathology and microbial sampling has already been performed, regarding the history and results are pending.

**REFERRING VET**

Dr. Young

Rhinitis may trigger/being associated with lower airway inflammation, explaining the peribronchial zones with unstructured interstitial pattern. Recommend testing for lung worm infection to rule out parasitic disease.

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Rhinoscopy ± bronchoscopy including sampling for biopsy, microbial culture and possibly lower airway sampling would be ideal for further definition.

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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.

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Veterinary

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

**REFERRING VET**

Dr. Young

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