



**PATIENT PRESENTING CLINICAL SIGNS**

Nigel Ketcheson History: Epistaxis and reverse sneezing since Jan 2022. Prescribed doxycycline by rDVM. Hx chronic hepatic enzymopathy (asymptomatic), hyperlipidemia since Feb 2020  
Abnormal PE/Chem/CBC/UA Results:

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE SKULL, THORAX AND ABDOMEN**

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

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

Standard Schnauzer **Skull**

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

Neutered Male The mid third of the left nasal cavity is occupied by a uniform soft tissue attenuating and moderate contrast enhancing soft tissue attenuating mass. Destruction of the conchal & turbinate structures level with the mass is seen. The remainder of the left nasal cavity are occupied by fluid attenuating material. The left frontal sinus is filled with fluid attenuating material.

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

**INTERPRETED BY** 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.

Sebastian Schaub, DVM Dr. med. vet. DipECVDI 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.

**HOSPITAL NAME** 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.

Animal Health Partners **Thorax**

**REFERRING VET** Multifocal mild spondylosis formation is seen along the thoracic spine. Multiple small (<8 mm) subcutaneous soft tissue nodules are seen along the trunk.

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

14827 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 lung parenchyma presents the expected architecture and attenuation behavior.

**DATE**

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

Nigel Ketcheson

**Abdomen**

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

Canine

**BREED**

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. On the ventral urinary bladder wall, a mild to moderate amount of sedimented mineral attenuating material is appreciated.

Standard Schnauzer

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

**SEX**

The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

Neutered Male

The hepatic volume is moderately increased, and the liver is protruding caudally beyond the costal arch; the caudoventral hepatic margins are rounded. The hepatic parenchyma is uniform soft tissue attenuating and contrast enhancing.

**AGE**

9 Years

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

**INTERPRETED BY**

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

Sebastian Schaub,  
DVM Dr. med. vet.  
DipECVDI

The bony and surrounding soft tissue structures reveal no abnormalities.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**HOSPITAL NAME**

Animal Health  
Partners

- Left sided nasal soft tissue mass with secondary obstructive sinusitis
- Hepatomegaly
- Mild amount of urinary bladder sand
- Spondylosis deformans
- No evidence of pulmonary metastatic disease

**REFERRING VET**

Dr. Westgarth

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The reverse sneezing can be explained by the left sided nasal mass and primary nasal neoplasia is the diagnosis. Differentials include adenocarcinoma, squamous cell carcinoma, transitional cell carcinoma, lymphosarcoma, Sticker sarcoma, other. Rhinoscopy including biopsy can be used as advanced diagnostic tests. Based on the results of the advanced diagnostic tests, the chances of radiation therapy can be discussed with oncologist. The Adam tumor stage is T1.

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Recommend complete urinalysis for further workup of the bladder sand.

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**PATIENT**

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Potentials for the hepatomegaly include metabolic hepatic disease, hepatitis or diffuse neoplastic infiltration. In case of doubt, ultrasound guided FNA sampling and/or Tru-cut biopsy can be used as minimally invasive methods for further workup.

**SPECIES**

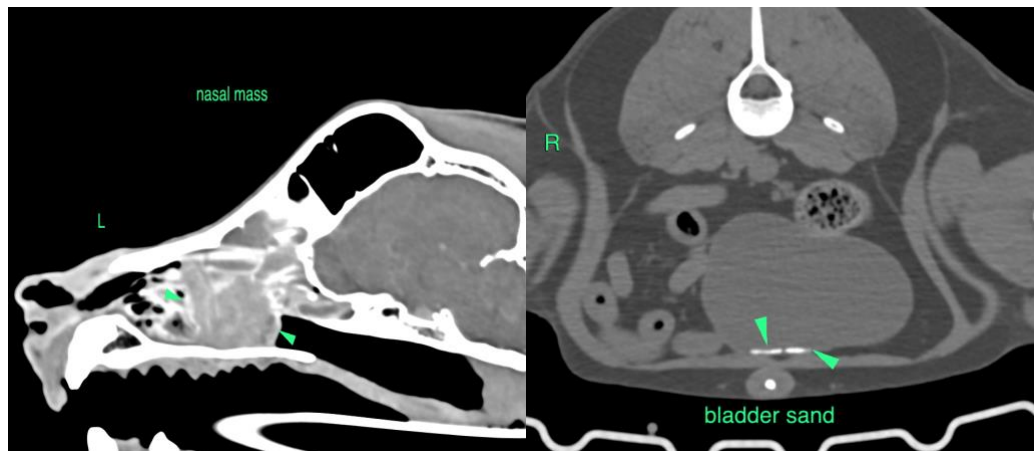
Canine

**BREED**

Standard Schnauzer

**SEX**

Neutered Male



**AGE**

9 Years

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.

**INTERPRETED BY**

Sebastian Schaub,  
DVM Dr. med. vet.  
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**HOSPITAL NAME**

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**REFERRING VET**

Dr. Westgarth

**INVOICE**

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