



**PATIENT PRESENTING CLINICAL SIGNS**

Muffin Arnold Presented for chronic nasal congestion, snoring, and left epistaxis. Has been hospitalized for the last month with a feeding tube. No vomiting. No diarrhea.  
 Abnormal PE/Chem/CBC/UA Results: Pcv 20% Creat 0.7 mg/dl Bun 12 mg/dl Cl 299 mmol/kg

**SPECIES COMPUTED TOMOGRAPHY OF THE SKULL & ABDOMEN**

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

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

DSH Skull

The tooth elements 101, 109, 301, 302, 401-403 are absent.

**SEX** The nasal cavity is obliterated by uniform soft tissue attenuating and post contrast heterogeneous hypoattenuating and moderate contrast enhancing material. Advanced destruction of the nasal conchal & turbinate structures is appreciated. The nasal soft tissue material is perforating the cribriform plate and plaque like contrast enhancing material is appreciated in the rostral cranial fossa bilaterally, L>R, with mild mass effect on the falx that is deviated to the right. In the left lateral aspect, the nasal mass is extending into the subcutaneous tissue at the dorsolateral aspect of the nose and rostromedial aspect of the left orbit, moth eaten osteolysis of the respective segment of the left maxillary bone is noted.

MN

**AGE** 7

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

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 mandibular and medial retropharyngeal lymph nodes are significantly enlarged, rounded, uniform soft tissue attenuating with a heterogeneous contrast enhancement pattern.

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Abdomen

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

**REFERRING VET** Both kidneys are irregularly enlarged; post contrast administration the kidneys present a heterogeneous hypoattenuating nodular appearing contrast enhancement pattern. The renal lymph nodes bilaterally are moderately enlarged and rounded.

Dr. Runde

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

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

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The biliary tree is mildly dilated – considered as an age related finding.

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

8-24-22 The gastrointestinal tract is moderately distended by gas.



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

Muffin Arnold

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**SPECIES**

Feline

- Nasal soft tissue mass with polyostotic aggressive osteolytic lesions and perforation of the cranial fossa
- Lymphadenopathy mandibular and medial retropharyngeal lymph nodes bilaterally, renal lymph nodes
- Nodular renal enlargement
- Aerophagia
- Multiple absent teeth, see above

**BREED**

DSH

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SEX**

MN

In summary, the findings are consistent with disseminated neoplastic disease and round cell tumor – such as lymphosarcoma is the top differential here – with a nasal mass, lymphadenopathy and renal involvement. Recommend FNA sampling of the subcutaneous swelling at the nose, regional lymph nodes of the skull ± the kidneys to confirm the diagnosis.

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**REFERRING VET**

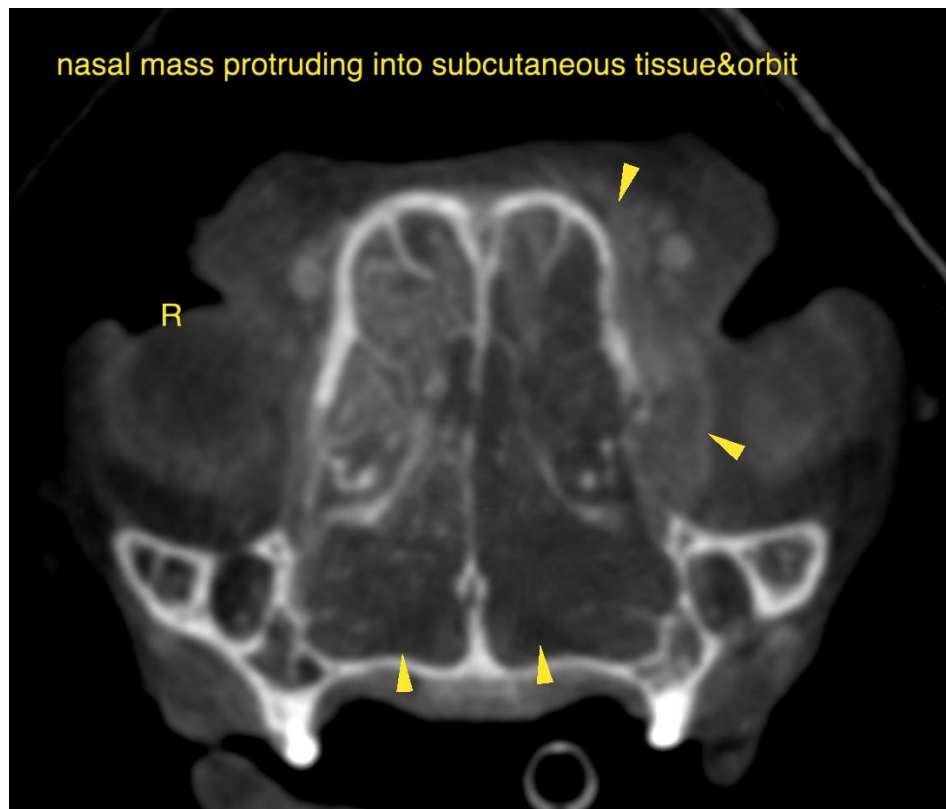
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**PATIENT**

Muffin Arnold

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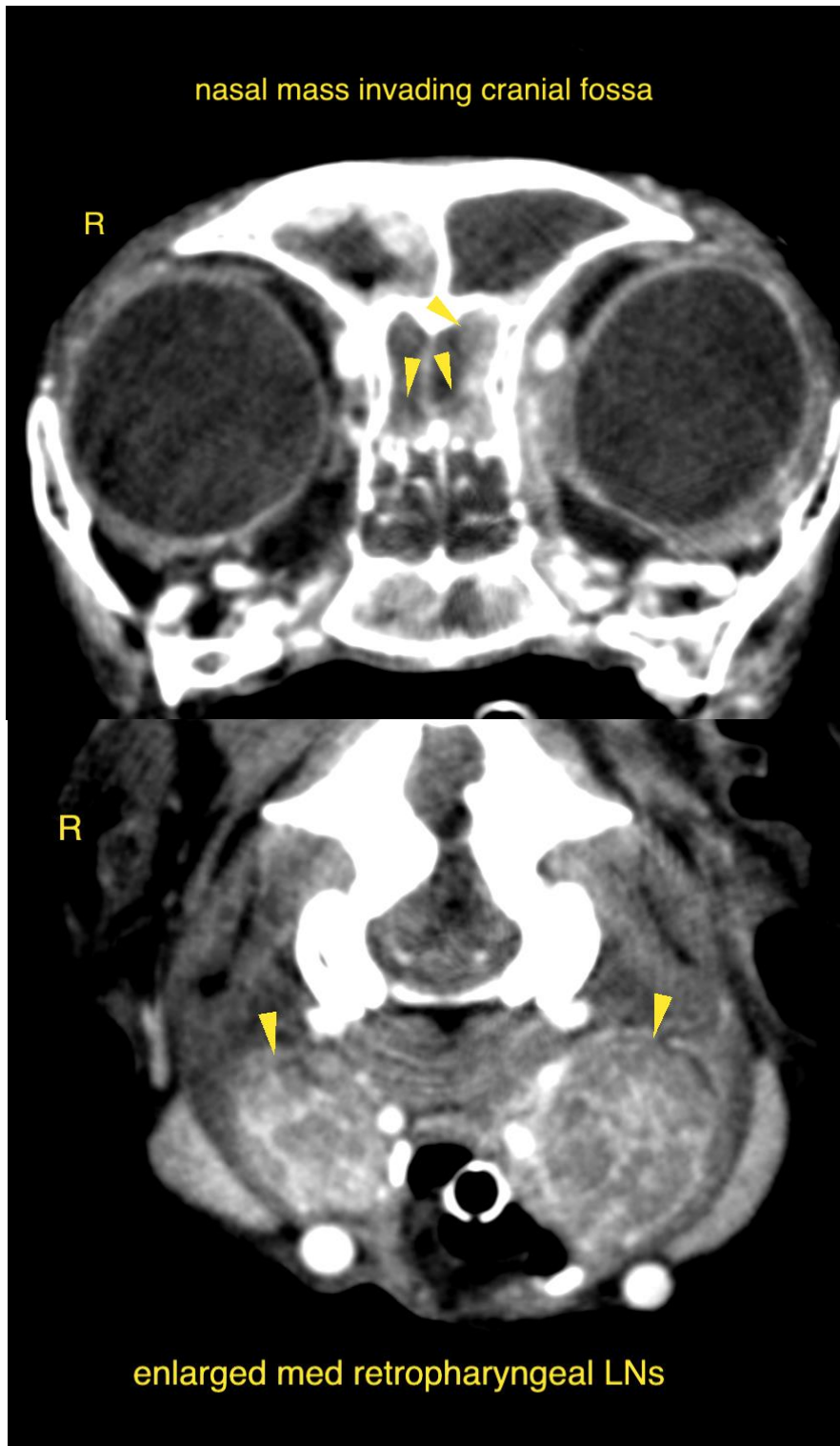
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**PATIENT**

Muffin Arnold

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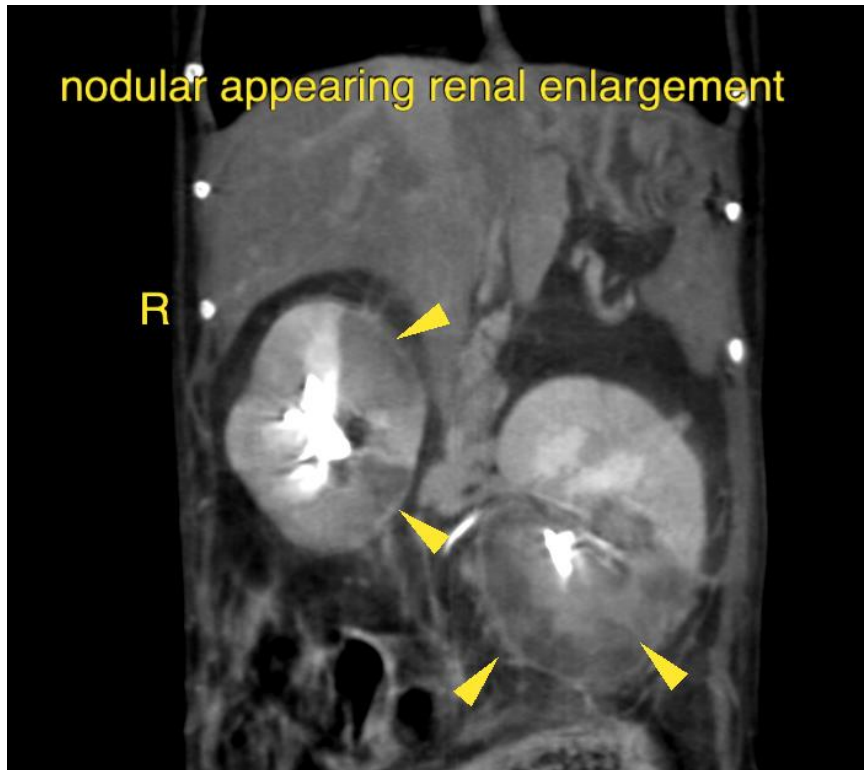
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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