



**PATIENT PRESENTING CLINICAL SIGNS**

Treasure Roath About 2 weeks ago, P was noticed to be regurgitating after she ate. P has been on Prilosec for 2 weeks before the CT. An upper GI endoscopy was performed today as well as biopsies taken.  
Abnormal PE/Chem/CBC/UA Results: MCV 55.4, MCH 18.9, Reticulocyte 21.7, ALT 128

**SPECIES COMPUTED TOMOGRAPHY 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**

Akita The body condition score is 7-8/9.

Skull

**SEX** The periodontal space of triadan 203 is widened in the periapical region. Triadan 205 is absent.

FS The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

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

7 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.

**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.

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**

Neel Veterinary Hospital

Thorax

Multifocal mild spondylosis formation is seen along the thoracic spine. The sternum presents moderate degenerative changes.

**REFERRING VET**

Deepan Kishore, DVM,MS, DABVP

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.

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

**INVOICE**

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.

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The lung parenchyma presents the expected architecture and attenuation behavior.

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

**DATE**

8-15-23

Abdomen



**PATIENT** Streak artefacts are seen throughout the cranial abdomen.

Treasure Roath 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.

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

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

FS Both coxofemoral joints present moderate to marked osteophyte new bone formation. The acetabular groove bilaterally is shallow and the center of the femoral heads is lateral to the dorsal acetabular rim.

#### COMPUTED TOMOGRAPHIC DIAGNOSIS

**AGE**

7

- Periapical granuloma 203
- Absent triadan 205
- Obesity
- Degenerative osteoarthritis coxofemoral joints bilaterally, due to significant hip dysplasia

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

#### INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals no macromorphological abnormalities, explaining the described clinical signs. Be aware that evaluation of the stomach is limited by the streak artefacts in the cranial abdomen.

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**PATIENT**

Treasure Roath

**SPECIES**

Canine

**BREED**

Akita

**SEX**

FS

**AGE**

7

**INTERPRETED BY**

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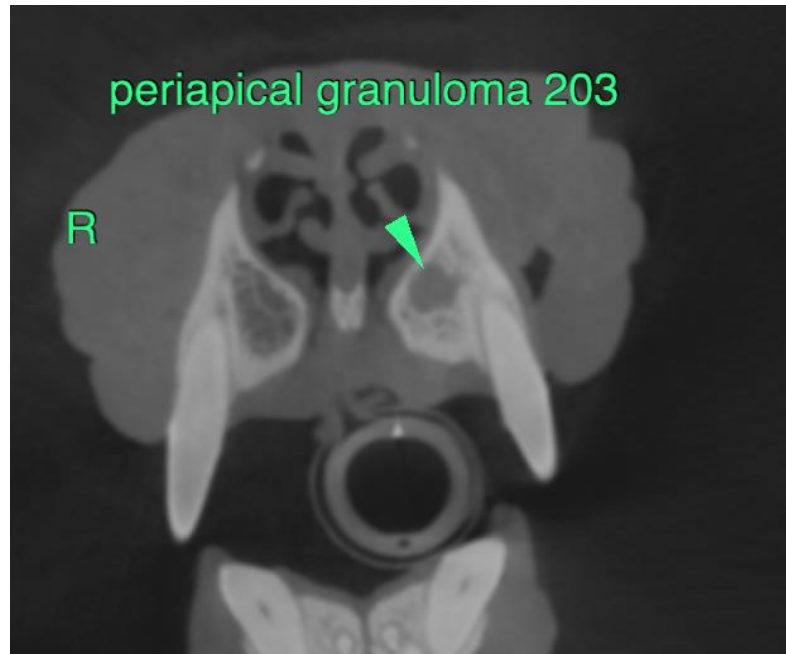
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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  
[info@sonopath.com](mailto:info@sonopath.com)