



**PATIENT PRESENTING CLINICAL SIGNS**

Max #3544C-CT  
Scholten

Max presented initially on 10/5 for pelvic pain. He was sent home on rimadyl with minimal improvement. X-rays on 10/17 did not reveal any significant bony change, but Max is very painful/reaction to lower spinal palpation, dorsoflexion of his tail and any manipulation of his hips. We added in gabapentin. On 10/22, Max presented to the emergency clinic for difficulty breathing. He was tachypenic with a pulse of 85% at room air. Chest x-rays were taken and submitted to a radiologist with no significant findings. He was placed in an oxygen cage and hospitalized overnight and improved after a trial of sildenafil, plavix and pimobendan for suspected PTE. Several diagnostics performed including abdominal ultrasound, bloodwork and urine culture- all reported to be within normal limits. Max's breathing is improved but he is still mildly tachypenic. He is still very painful with any manipulation of his hind end. Very delayed CPs in his hind limbs. Please comment on bony proliferation near caudal lumbar vertebrae and sacrum.

**SPECIES**

Canine

**BREED**

Poodle Mix

**SEX**

MN

**AGE**

8 Years, 7 Months

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVCI

Abnormal PE/Chem/CBC/UA Results: CBC/Chem/T4/Texas GI: normal Urine culture: normal Chest x-rays: normal Pelvic limb x-rays: normal Abdominal ultrasound: normal

**COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN, THORAX, & LUMBAR SPINE**

Plain and post contrast studies available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**Abdomen**

Asymmetric enlargement of the prostate at approximately 3 x 2 x 1.5 cm with multifocal mineralizations is noted. There is no evidence of extension of the prostatic enlargement into the urinary bladder and urinary bladder neck.

Bilaterally symmetric mild medial iliac lymphadenomegaly is noted.

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

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.

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.

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.

**INVOICE**

54901

**DATE**

10-31-22

**Lumbar Spine**

There is a large amount of brush bordered and spiculated periosteal new bone in the ventral and

**PATIENT**Max #3544C-CT  
Scholten

left contours of the 6<sup>th</sup> and 7<sup>th</sup> lumbar vertebrae as well as at the sacrum and the ventral contour of the left ilium.

**Thorax****SPECIES**

Canine

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 are uniform and considered within normal limits.

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

**BREED**

Poodle Mix

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.

**SEX**

MN

Multiple faintly hyperattenuating miliary interstitial pulmonary nodules are seen throughout the parenchyma of all lung lobes accentuating the caudal lung lobes.

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

**AGE**

8 Years, 7 Months

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Asymmetric prostatomegaly with mineralizations in a neutered male.
- Bilateral mild medial iliac lymphadenomegaly.
- Aggressive osteoproliferative changes of the caudal lumbar spine, sacrum, and pelvis.
- Multiple miliary interstitial pulmonary nodules.

**INTERPRETED BY**Nele Eley, DVM  
Dr. med. Vet. DipECVDI**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are highly suggestive for prostatic adenocarcinoma with metastatic disease to the medial iliac lymph nodes, lumbar spine, sacrum, pelvis, as well as early metastatic disease of the lung. Metastasizing prostatic neoplasia should be regarded a tentative diagnosis until proven otherwise. Sampling of the prostate could be established under ultrasonographic guidance which may also allow for sampling of the regional lymph nodes, even though the degree of enlargement of the lymph nodes is rather mild. One could also consider traumatic catheterization or brush biopsies under US guidance.

**HOSPITAL NAME**Gentle Doctor Animal  
Hospitals**REFERRING VET**

Sarah Rotthaus, DVM

**INVOICE**

54901

**DATE**

10-31-22



**PATIENT**

Max #3544C-CT  
Scholten

**SPECIES**

Canine

**BREED**

Poodle Mix

**SEX**

MN

**AGE**

8 Years, 7 Months

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Gentle Doctor Animal  
Hospitals

**REFERRING VET**

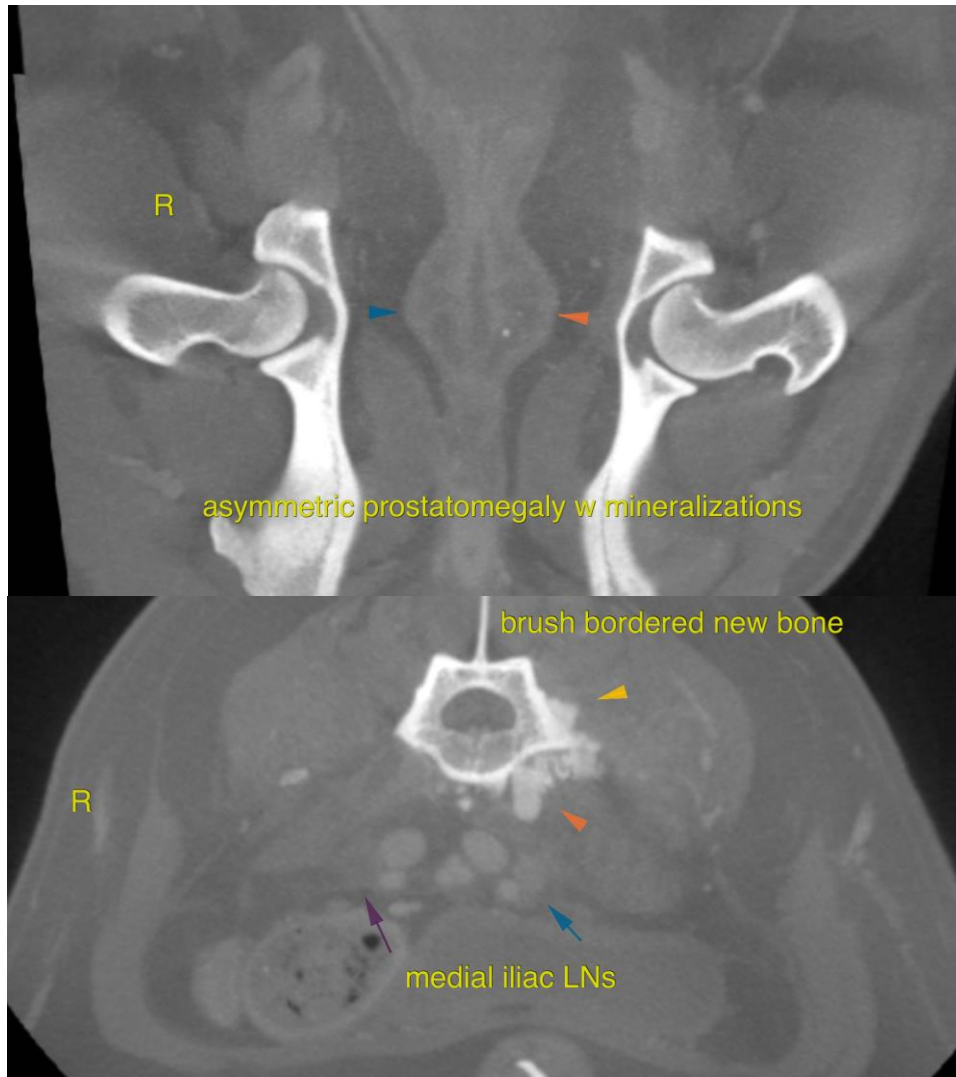
Sarah Rotthaus, DVM

**INVOICE**

54901

**DATE**

10-31-22





**PATIENT**

Max #3544C-CT  
Scholten

**SPECIES**

Canine

**BREED**

Poodle Mix

**SEX**

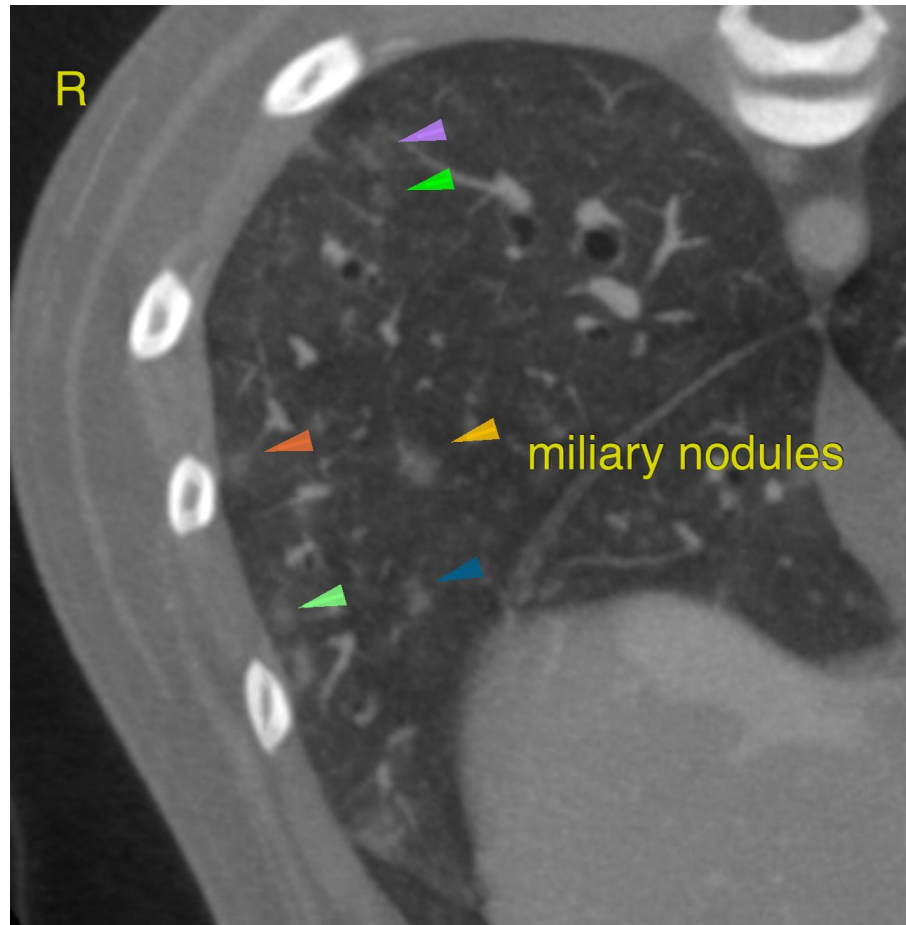
MN

**AGE**

8 Years, 7 Months

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI



**HOSPITAL NAME**

Gentle Doctor Animal  
Hospitals

**REFERRING VET**

Sarah Rotthaus, DVM

**INVOICE**

54901

**DATE**

10-31-22

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.

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,  
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com