



**PATIENT PRESENTING CLINICAL SIGNS**

Piccolo Horder 8/9/22 Dog had collapsed on not right in the head since night prior. No vomiting/diarrhoea noted or poisons/toxins. Rt caudal shoulder mass? Neoplastic bleed IMHA relapse Static IMTP

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

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

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

Pug Mix Thorax  
At the caudal aspect of the right scapula, uniform soft tissue attenuating and heterogeneous contrast enhancing, ovoid shaped mass is seen, measuring 4.7 x 3.2 x 5.0 cm in size. Multiple small nodular lesions are seen along the fascial plane medial to the right latissimus dorsi muscle caudal to the mass. Post contrast administration throughout the musculature of the pictured parts of the front limbs and the axial musculature, contrast enhancing lesions of variable size are appreciated.

**SEX**  
Neutered Male  
The periarticular bones of both shoulder joints present mild osteophyte new bone formation.

**AGE**  
9.1kgs  
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.

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

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI  
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 with randomly distributed interspersed punctuate mineralization.

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

**REFERRING VET**  
Abdomen  
John Katakasi  
The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

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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.

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

**DATE**  
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.

10-27-22  
The spleen presents with two intraparenchymal, uniform soft tissue attenuating and heterogeneous contrast enhancing nodular lesions, measuring up to 19 mm in diameter, mildly bulging beyond the splenic surface.



**PATIENT**

Piccolo Horder

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.

**SPECIES**

Canine

The mucocutaneous tissue at the right aspect of the anus presents with a uniform soft tissue attenuating and contrast enhancing nodular lesion, measuring 9.7 mm in diameter. Both anal sacs are mildly distended by fluid attenuating material and present a smooth and thin wall.

**BREED**

Pug Mix

Post contrast administration, in the left quadratus femoris muscle, a heterogeneous contrast enhancing zone is visible.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass caudal aspect right scapula and multiple nodular lesions along the fascial plane caudally
- Multifocal contrast enhancing intramuscular lesions along the axial and appendicular skeleton
- Splenic nodular lesions
- Cutaneous perianal nodular lesion
- Hepatomegaly
- Degenerative osteoarthritis shoulder joints bilaterally
- No evidence of pulmonary metastatic disease

**SEX**

Neutered Male

**AGE**

9.1kgs

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The soft tissue mass at the caudal aspect of the right scapula is consistent with primary soft tissue neoplasm – such as hemangiosarcoma, round cell tumor, carcinoma – with multifocal muscular metastatic spread . FNA sampling of the mass can be used as advanced diagnostic tool.

The splenic nodular lesions might present metastatic disease or a second entity, such as benign nodular hyperplasia.

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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.

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John Katakasi

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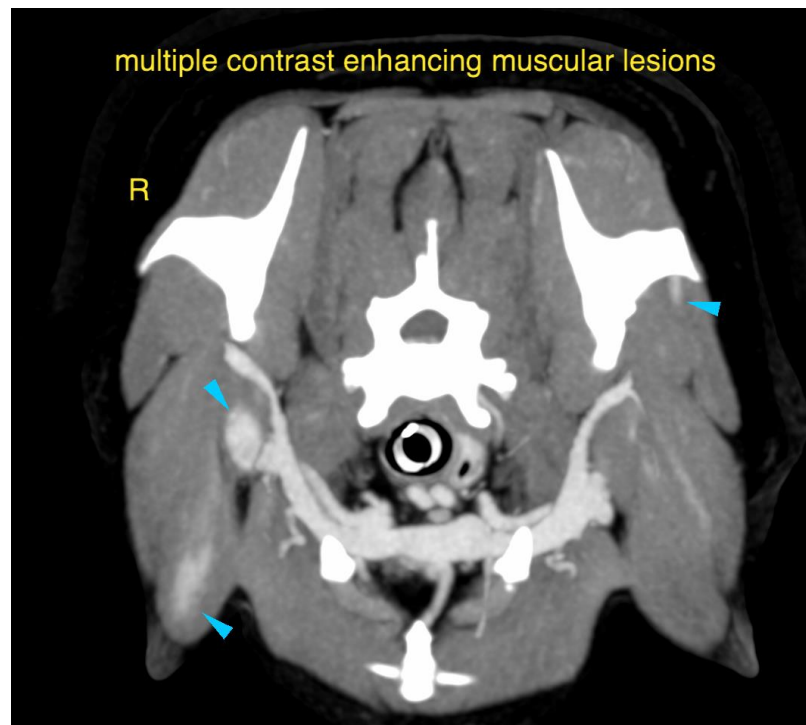
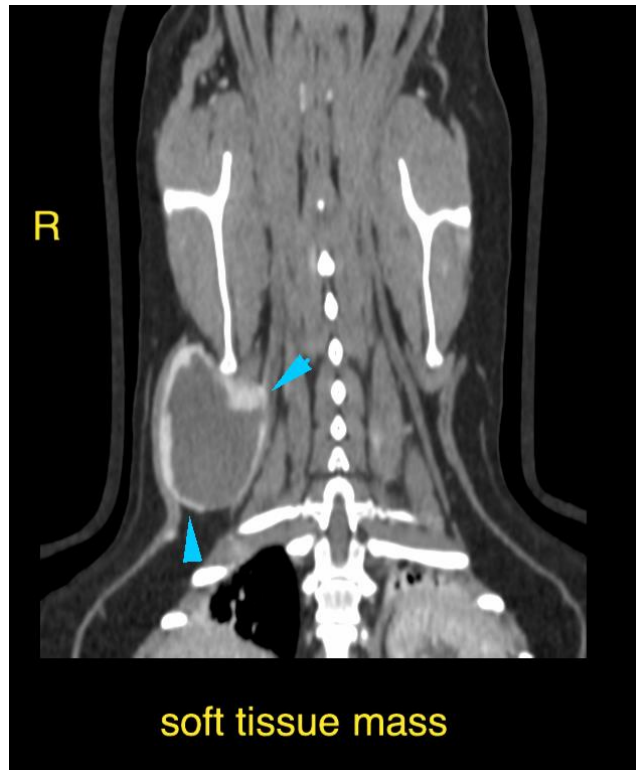
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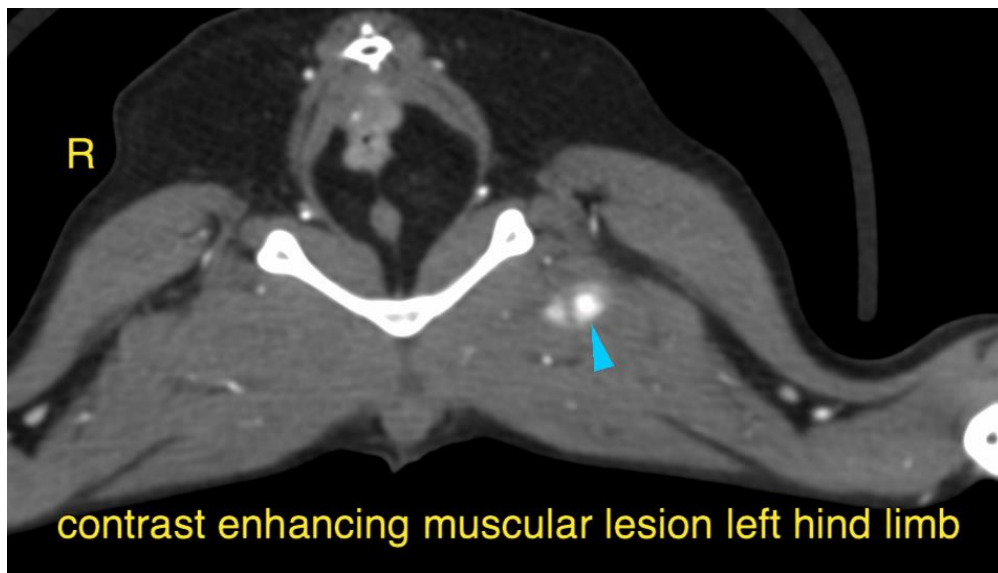
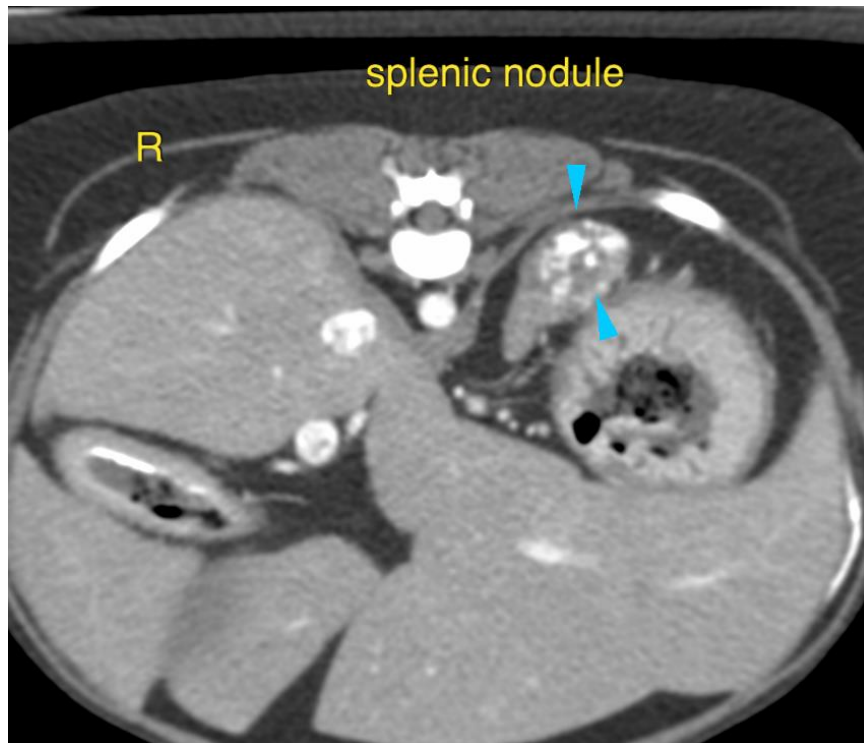
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Piccolo Horder

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.

**SPECIES**

Canine

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

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