



PATIENT PRESENTING CLINICAL SIGNS

Lucky McManus Large mass right cranial abdomen - appears mineralized on US Abdominal mass noted in 3 years ago has been growing onward, has been doing FNA first kept getting negative results, done US around 3 weeks ago suspect cancer

SPECIES COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

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

BREED COMPUTED TOMOGRAPHIC FINDINGS

Australian Shepherd Thorax
Multiple lipomas are appreciated along the thoracic wall bilaterally.

SEX The periarticular bones of both shoulder joints present moderate osteophyte new bone formation.

MN 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.

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

11 Years 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.

INTERPRETED BY The lung parenchyma presents the expected architecture and attenuation behavior.

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

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

Animal Health Partners 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.

REFERRING VET The right adrenal gland is within normal limits for size, shape and organ architecture. Nodular enlargement of the left adrenal gland is seen, measuring 11 mm in diameter. The left adrenal gland has a homogeneous contrast enhancement pattern. The left phrenicoabdominal vein crossing the left adrenal gland ventrally is mildly prominent.

Dr. Kim Murphy

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

57739 The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

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

4-11-23 At the right cranioventral abdominal wall, caudal to the costal cartilages of the 12th & 13th right rib, in the fascial planes of the cranioventral abdominal muscular layers, a well-defined, irregular soft tissue



PATIENT attenuating (-14 HU to 17 HU) and heterogeneous mild contrast enhancing roundish mass is seen, measuring 8.6 x 6.5 x 9.4 cm in size. The intermuscular mass presents small mineral attenuating foci.

Lucky McManus

In the right inguinal region, level with the stump of the of the stump of the spermatic duct, a roundish, soft tissue attenuating and irregular contrast enhancing nodule is seen, measuring 10 mm in diameter.

SPECIES The vertebral endplates of the lumbosacral junction present moderate spondylosis formation. The periarticular bones of both coxofemoral joints present mild osteophyte new bone formation.

Canine

Multiple intermuscular lipomas are seen along the gluteal region and thigh bilaterally.

BREED **COMPUTED TOMOGRAPHIC DIAGNOSIS**

Australian Shepherd

- Mixed mild hypoattenuating to soft tissue attenuating intermuscular mass fascial plane right cranioventral abdominal wall
- Nodular enlargement left adrenal gland with possible vascular invasion of the phrenicoabdominal vein
- Multiple lipomas along the thoracic wall and intramuscular lipomas shoulder region
- Intermuscular lipomas gluteal region bilaterally and thigh bilaterally
- Suspect small granuloma stump of right spermatic duct
- Degenerative osteoarthritis shoulder joints bilaterally
- Spondylosis deformans lumbosacral junction
- No evidence of pulmonary metastatic disease

SEX

MN

AGE

11 Years

INTERPRETED BY **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

Given the heterogeneous attenuation pattern of the intermuscular mass of the right cranioventral thoracic wall, I consider the odds for derivation from the fatty tissue high and the presumptive diagnosis is liposarcoma. Complete surgical excision of the mass is considered feasible.

HOSPITAL NAME The nodular enlargement of the left adrenal gland is suggestive for (non)functional macronodular hyperplasia or neoplastic transformation (e.g. adenoma, adenocarcinoma, pheochromocytoma) – the possible invasion of the phrenicoabdominal vein is increasing the odds for underlying neoplastic disease.

Animal Health
Partners

REFERRING VET

Dr. Kim Murphy

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SPECIES

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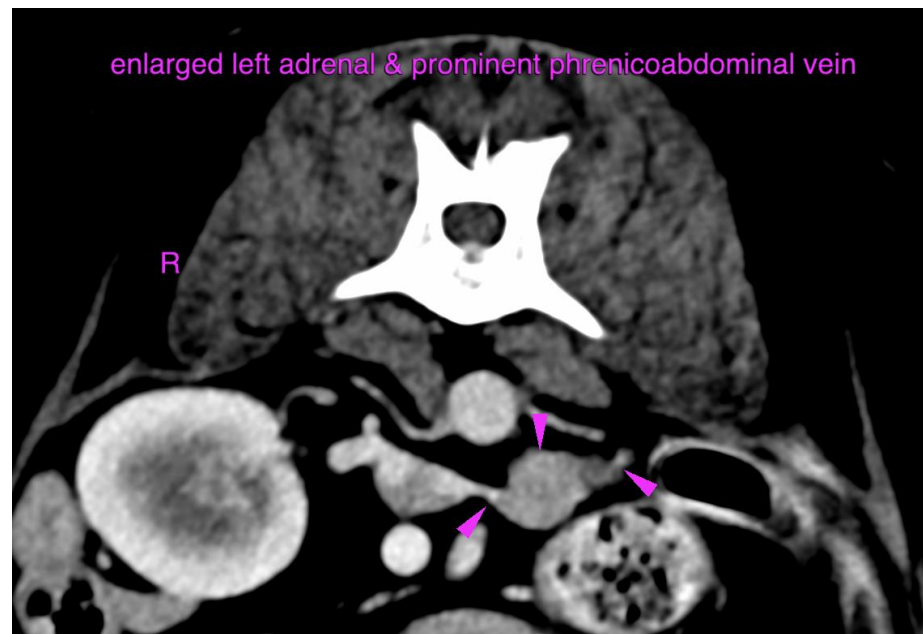
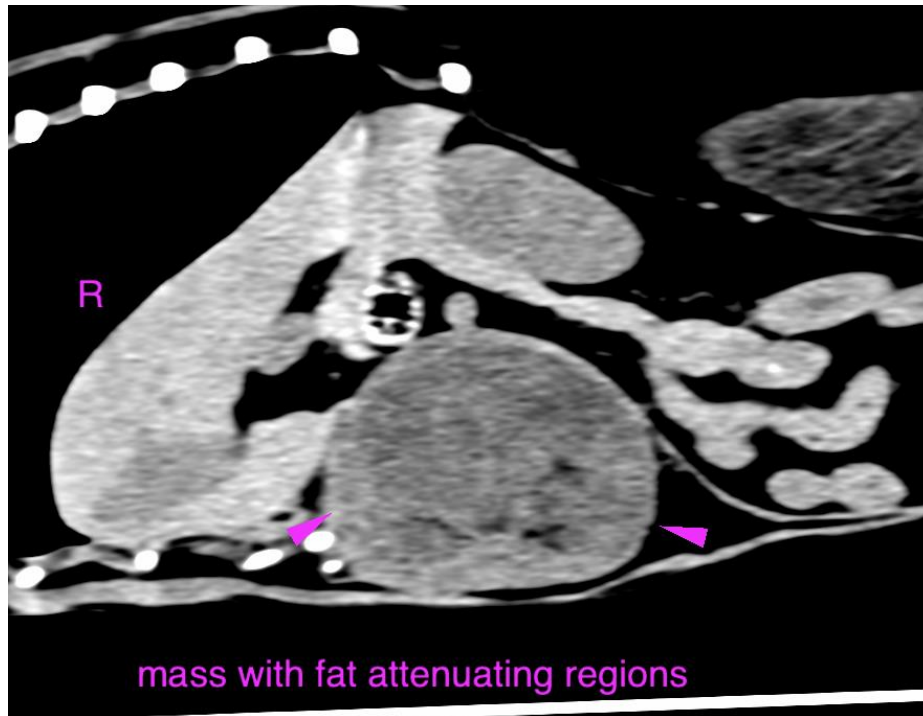
Dr. Kim Murphy

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PATIENT 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.

Lucky McManus

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.

SPECIES

Canine

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

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