



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Twinkle O'dea
SPECIES Canine
BREED Border Collie X
SEX Spayed Female
AGE 10 Years

PRESENTING CLINICAL SIGNS
 History: presented to the Toronto Animal Health Partners Surgery Service for evaluation of multiple masses: Dorsum (12 x 8 inches; noticed 1 year ago; consistent growth, but faster within last 4 months) Lateral thorax (6 x 6 inches; noticed 3-4 months ago) Left hindlimb (6 months ago) Masses do not cause discomfort, but have begun to affect mobility. Normal EDUD; no VDSC. Twinkle was seen by High Street Animal Hospital and a fine needle aspirate was performed but were non-diagnostic. None Twinkle is currently eating pedigree high protein kibble and chunks, with no history of allergies. Twinkle is not UTD on vaccines.

COMPUTED TOMOGRAPHIC STUDY OF THE THORAX, ABDOMEN & HIND LIMBS

A plain CT study of the thorax and abdomen including the hind limbs in a bone, lung and soft tissue reconstruction are provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

Thorax

Multifocal spondylosis formation is seen along the thoracic spine. The periarticular bones of both shoulder joints present mild osteophyte new bone formation and moderate exostosis formation is seen in the bicipital groove bilaterally.

In the subcutaneous tissue of the left lateroventral thoracic wall, a well-defined, ovoid shaped, mild heterogeneous soft tissue attenuating mass is appreciated, measuring 8.4 x 5.9 x 8.0 cm in size.

INTERPRETED BY

Sebastian Schaub,
 DVM Dr. med. vet.
 DipECVDI

HOSPITAL NAME

Animal Health
 Partners

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation pattern is uniform.

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

REFERRING VET

Dr, Jeffrey Biskup

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.

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.

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PATIENT Abdomen

Twinkle O'dea 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.

Canine 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.

BREED

Border Collie X The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous.

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

SEX

Spayed Female In the subcutaneous tissue of the right craniodorsal abdominal wall, lateral to the right lumbar musculature/abdominal wall, a mild heterogeneous soft tissue attenuating mass is appreciated, extending from the level of T11 up to the level of the cranial rim of the right iliac wing. The mass causes splaying of the proximal aspect of the muscle layers of the right lateral abdominal wall, with outward deviation of the external oblique abdominal muscle. The soft tissue mass is measuring 20.0 x 16.4 x 27.1 cm in size. The subcutaneous fat surrounding the large subcutaneous mass presents mild fat-stranding and multiple small tortuous vascular structures.

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Multifocal spondylosis formation is seen along the lumbar spine. Lateral spondylosis formation is seen in the region of the neuroforamina L7/S1.

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

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At the medial aspect of the mid segment of the diaphysis of the left tibia, a uniform soft tissue attenuating mass is appreciated, measuring 3.6 x 4.1 x 6.7 cm in size.

The periarticular bones of both tibiotarsal joints present mild osteophyte new bone formation.

COMPUTED TOMOGRAPHIC DIAGNOSIS

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- Large soft tissue mass along the right dorsolateral abdominal wall
- Subcutaneous mass left caudolateral thoracic wall and medial aspect of the left crus without evidence of osseous involvement
- Spondylosis deformans multifocal along the thoracic & lumbar spine with bilateral extraforaminal stenosis level L7/S1
- Degenerative osteoarthritis coxofemoral joints bilaterally
- Degenerative osteoarthritis and exostosis formation bicipital groove of the shoulder joints bilaterally

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- Mild degenerative osteoarthritis tibiotarsal joints bilaterally
- Pulmonary osteomas

Twinkle O'dea

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

Canine

The multiple subcutaneous soft tissue masses are consistent with soft tissue neoplasia (e.g. sarcoma). Complete surgical excision of the masses is considered feasible. As the large mass along the right dorsal aspect of the abdominal wall is in contact with the right abdominal wall, reconstructing the dorsal segment might be necessary – depending on the integrity of the inner layers of the abdominal wall. There might be an increased risk for reoccurrence if clean margins might not be achieved and recommend discussing adjuvant treatment options with oncology.

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Border Collie X

There is no evidence of macroscopic metastatic disease.

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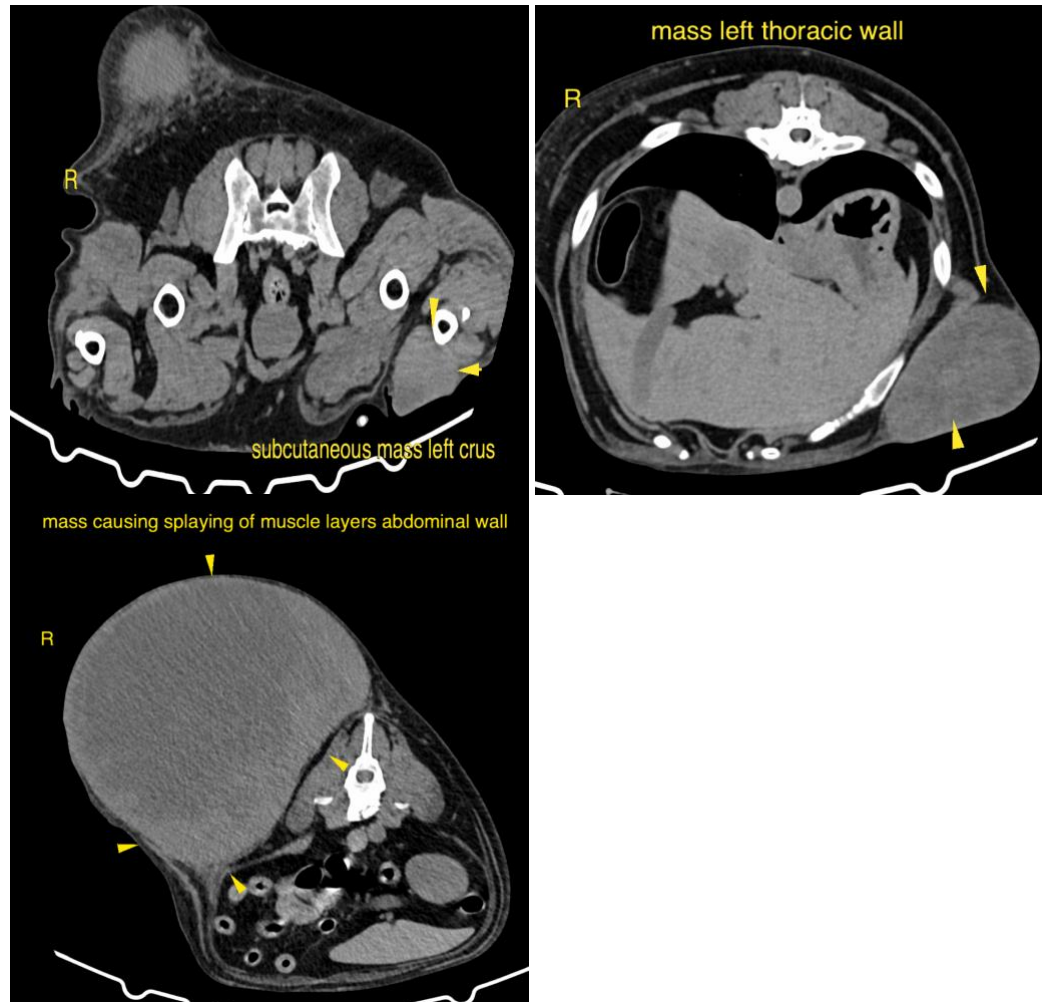
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PATIENT

Twinkle O'dea

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
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