



PATIENT PRESENTING CLINICAL SIGNS

Choco Smith Chronic hypoglycemia leading to seizures. Insulin indicative of insulinoma. Decreased fructosamine. No response to prednisolone therapy (2mg/kg).

SPECIES COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

Canine A high resolution pre- and post-contrast CT study of the thorax and abdomen is provided for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

Shih Tzu Thorax

The first and second left rib and the right first rib present with transverse fractures in the mid segment, completely bridged by solid callus formation. The costal cartilages of the first to fourth right rib are detached from the rib.

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

MN

At the left lateral aspect of the manubrium of the sternum, a well-defined, ovoid shape, intramuscular lipoma is seen, measuring 2.6 x 1.0 x 3.1 cm in size.

AGE

9 Years

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

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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

Moderate dorsoventral flattening of the cervical tracheal segment is appreciated.

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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, but dystelectasis of the caudodorsal aspects of the lung parenchyma.

REFERRING VET

Dr. Rachel Hill

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

Abdomen

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.

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

DATE

11-30-22

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



PATIENT uniform contrast enhancement.

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

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

Canine The periarticular bones of both stifle joints present moderate osteophyte new bone formation. The femoral trochlear ridge bilaterally is shallow.

BREED **COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Shih Tzu
- Intramuscular lipoma medial aspect left pectoral muscle
 - Chronic costal fracture cranial ribs bilaterally, in remodeling phase
 - Degenerative osteoarthritis coxofemoral joints bilaterally due to hip dysplasia
 - Degenerative osteoarthritis stifle joints bilaterally
 - Degenerative osteoarthritis shoulder joints bilaterally
 - Normal lung, but regions of dystelectasis, no sign of metastatic disease

SEX

MN

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE The current CT study presents no abnormalities, explaining the hypoglycemia. However, as laboratory findings are concerning for insulinoma, diagnostic celiotomy with thorough palpation of the pancreas to check for nodular lesions should be considered.

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PATIENT

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SPECIES

Canine

BREED

Shih Tzu

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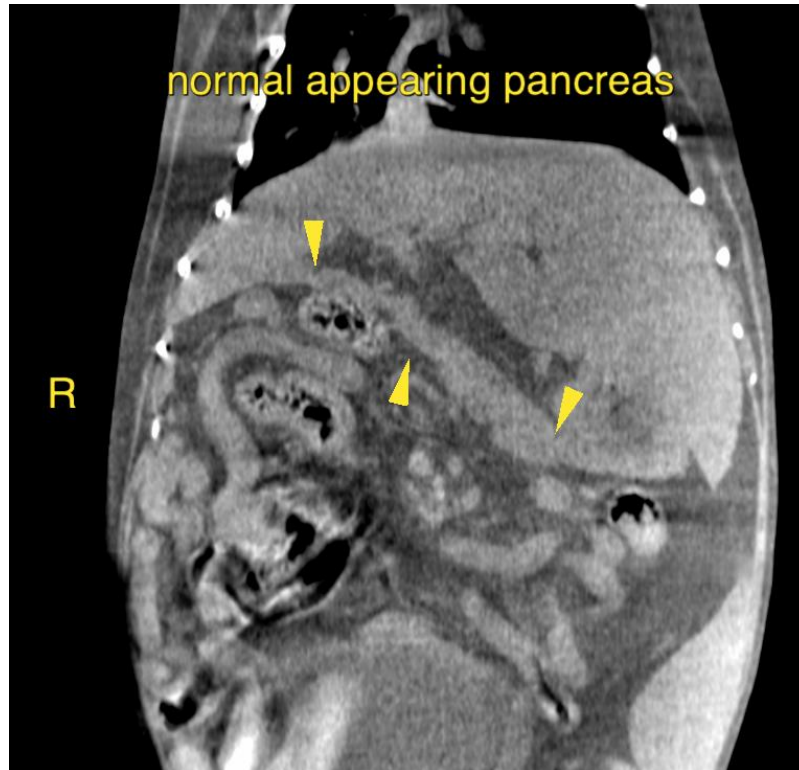
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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