



PATIENT

Frida Carrasquillo

PRESENTING CLINICAL SIGNS

HX: Ataxia; In July 2021, an echocardiogram was performed for a heart murmur 2-3 and the cardiologist indicated that there was no need to medicate. The owner alleges that the patient on 2 recent occasions has rolled her eyes as if she had an epileptic seizure and when she gets up she is disoriented.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: CBC --- unremarkable CHEM --- GLU decreased 48mg/dL

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, THORAX, & ABDOMEN

BREED

Shih Tzu

Plain and post contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

SF

The CT presentation of the cervical, thoracic, and lumbar spine is within normal limits.

AGE

12 Years

Head / Neck

Plaque-like and irregular meningeal thickening with increased enhancement and mass effect is seen in the temporal, parietal, and frontal parts of the right cerebral hemisphere as well as within the rostral part of the cerebral falx. There appears to be a significant mass effect causing cerebral midline shift towards the left side.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining.

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

The conformation of the ear canals is narrow. A mild amount of hypoattenuating material is seen within both external auditory meatuses. Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin.

HOSPITAL NAME

Veterinary Image
Center

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

REFERRING VET

Dr. Cruz, DVM

The salivary glands present within normal limits.

Both lobes of the thyroid gland are seen and present within normal limits.

Thorax

INVOICE

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The surrounding soft tissue structures are within normal limits.

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.

DATE

1-24-22

Mild left ventricular and left atrial enlargement are noted with increased left atrium to aorta ratio. No evidence of congestion of the pulmonary veins and no evidence of cardiogenic



PATIENT pulmonary edema is seen.

Frida Carrasquillo 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.

SPECIES The lung parenchyma presents the expected architecture and attenuation behavior.

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

BREED **Abdomen**

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

SEX Both kidneys present multifocal small cortical infarcts.

SF Small hypoattenuating and hypoenhancing nodules are present within the cranial pole of the left adrenal gland which presents an overall diameter of 7.5mm.

AGE Occasional hyperenhancing splenic nodules are seen.

12 Years The liver presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

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

Nele Eley, DVM
Dr. med. Vet. DipECVDI

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

HOSPITAL NAME The surrounding soft tissue structures reveal no abnormalities.

Veterinary Image
Center

COMPUTED TOMOGRAPHIC DIAGNOSIS

- REFERRING VET**
- Plaque-like meningeal thickening encompassing the left cerebral hemisphere with mass effect.
 - Splenic nodules.
 - Small left adrenal gland nodules.
 - Bilateral otitis externa.
 - Mild left sided cardiomegaly without evidence of congestive heart failure.
 - Degenerative changes of both kidneys versus chronic nephritis.

Dr. Cruz, DVM

INVOICE **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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DATE The main finding appears to be the plaque-like and extensive meningeal thickening encompassing the right cerebral hemisphere with mass effect. Differential diagnosis includes plaque-like extraaxial neoplasia such as meningioma or round cell neoplasia. Meningitis is a potential differential diagnosis but considered by far less likely owing to the unilateral and regional distribution. Correlation with CSF analysis if available could be considered.

1-24-22



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The splenic nodules are likely to represent benign nodular hyperplasia and/or extramedullary hematopoiesis. A secondary neoplastic infiltrate cannot be ruled out entirely.

The nodules within the cranial pole of the left adrenal gland are highly suggestive for myelolipomas which usually are an incidental finding; however, early neoplasia cannot be ruled out entirely.

SPECIES

Canine

BREED

Shih Tzu

SEX

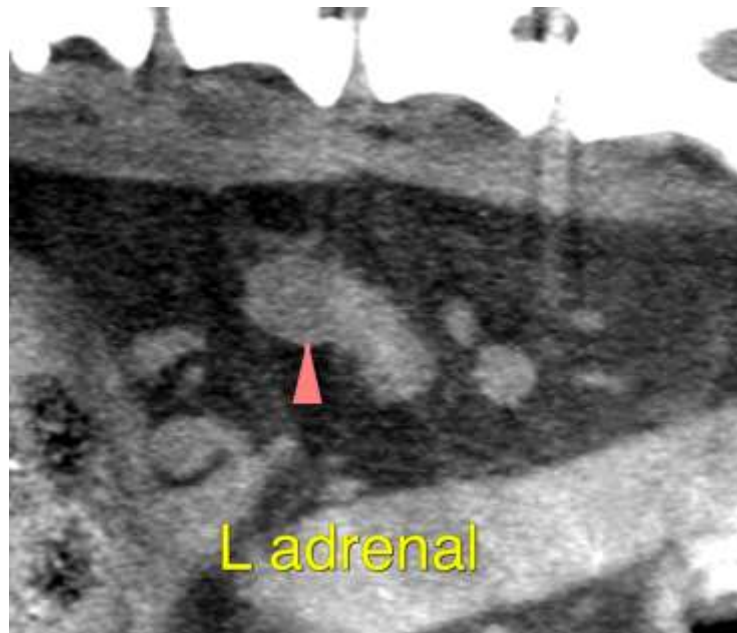
SF

AGE

12 Years

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HOSPITAL NAME

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REFERRING VET

Dr. Cruz, DVM

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SPECIES

Canine

BREED

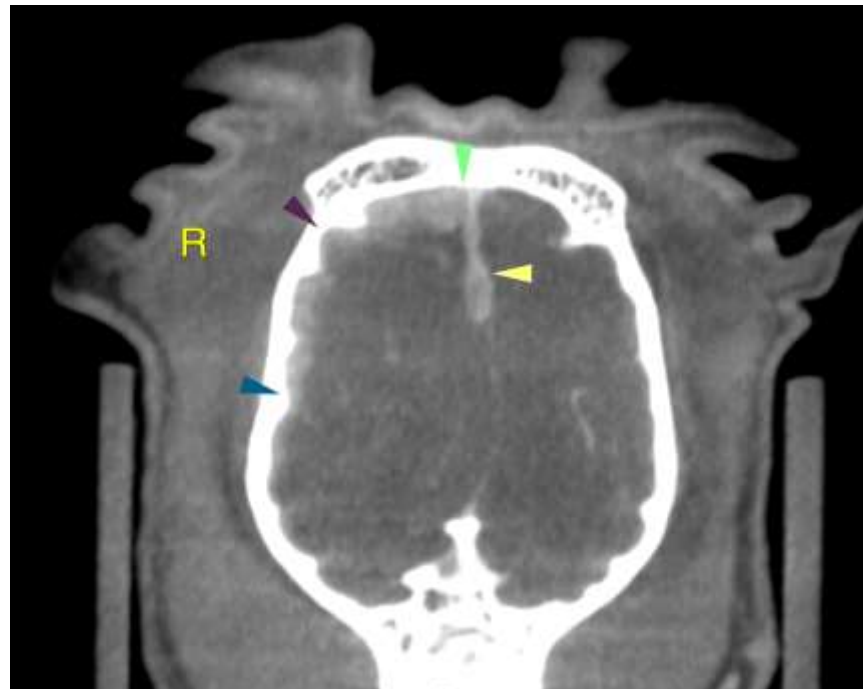
Shih Tzu

SEX

SF

AGE

12 Years



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Dr. med. Vet. DipECVDI

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.

HOSPITAL NAME

Veterinary Image
Center

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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Dr. Cruz, DVM

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