



PATIENT

Pepe Ramirez

PRESENTING CLINICAL SIGNS

p presented for seizures. Started around 7 AM this AM and p seized on and off until 10 AM. Temp on presentation was 105.9. Stabilized p. P had seizures in August 2022. BW was normal at this time other than a low thyroid level per o. P started on Soloxine and p stopped having seizures up until this AM. Bloodwork today revealed hypoglycemia - dextrose given IV once, but has not been needed since injection. BGs Q2 have been normal. CT of whole body performed without and with contrast. Concern for primary brain tumor v insulinoma v infectious dz v other.
Abnormal PE/Chem/CBC/UA Results: BG: 72 WBC: 31.54

SPECIES

Canine

BREED

French Bulldog

COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN

A high resolution pre- and post-contrast CT study of the skull, thorax and abdomen are provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

Male Neutered

Skull

Multiple teeth are absent. Triadan 108, 208 and 209 presents fracture crowns, exposing the pulp cavity to the dental surface.

AGE

11.5

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth. The external ear canals – accentuated the horizontal segment – present a moderate thickening of the wall with shell-like mineralization.

HOSPITAL NAME

Animal Emergency
Hospital Volusia

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

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

Alyssa Carver

Thorax

The bony and surrounding soft tissue structures are within normal limits.

INVOICE

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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.

Post contrast administration, within the right atrium, a roundish, heterogeneous contrast enhancing filling defect is appreciated, measuring approximately 1.9 x 2.2 x 1.7 cm in size – bulging mildly into left atrioventricular canal.

DATE

2-8-23

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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Multifocal throughout the lung parenchyma, ill-defined ground glass attenuating zones are appreciated.

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

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Abdomen

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

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Both kidneys present mild undulating margins with mild concave depressions of the renal surface. 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.

SEX

Male Neutered

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

The portal vein presents a normal order of its tributary veins and intrahepatic branching. No abnormal vessel is noted inside and outside of the liver parenchyma.

AGE

11.5

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.

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All intervertebral discs along the lumbar spine are mildly bulging into the vertebral canal.

COMPUTED TOMOGRAPHIC DIAGNOSIS

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- Right atrial mass
- Multiple small zones with an unstructured interstitial lung pattern
- Bilateral chronic otitis externa
- Serial intervertebral disc protrusion along the lumbar spine with possible dynamic myelocompression
- Multiple complicated dental fractures
- Chronic nephropathy
- Normal appearing brain

REFERRING VET

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The main finding of the current CT study is a right atrial mass highly suggestive for primary neoplasia – such as hemangiosarcoma, rhabdomyosarcoma, round cell tumor. A cardiac echo might be used as advanced imaging modality. The zones of interstitial lung pattern might present zones of pulmonary metastatic disease or pulmonary infarction, differentials would include regions of interstitial pneumonia (e.g. parasitic, viral) or fibrosis.

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No abnormalities of the brain are appreciated by CT, however in combination with the cardiac mass metastatic disease might be a consideration. MRI would be warranted to confirm/ruling out the diagnosis or primary parenchymal brain disease.



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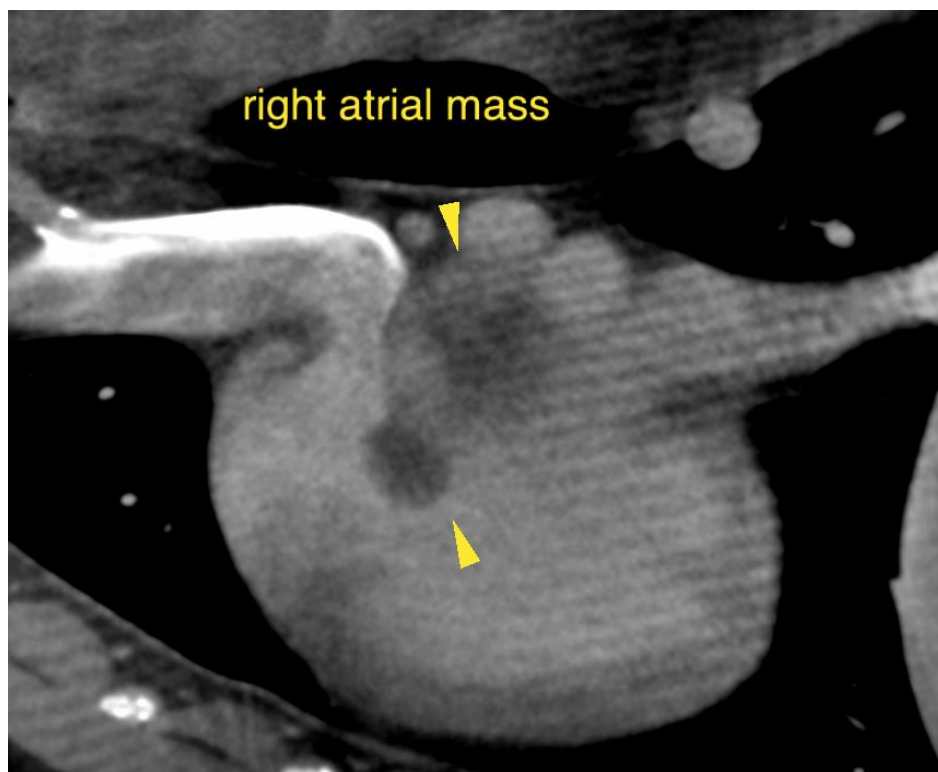
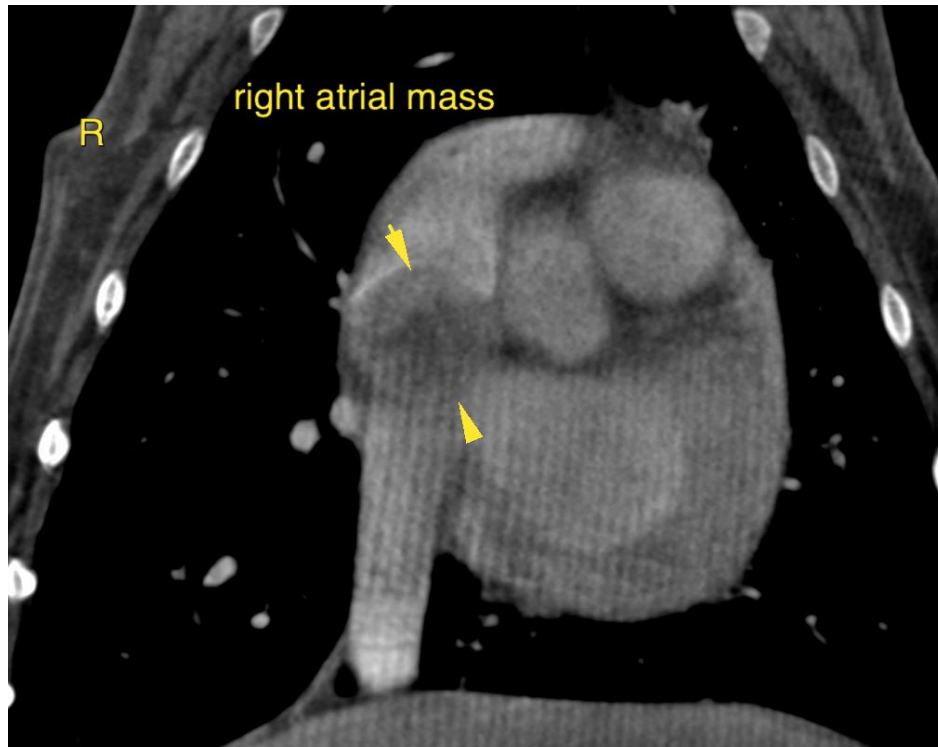
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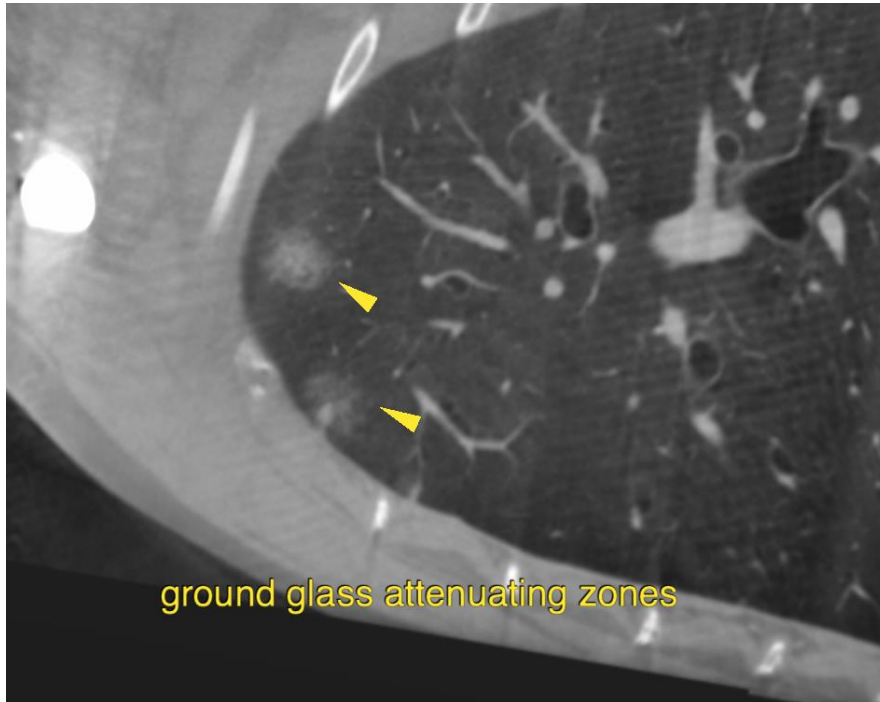
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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