



PATIENT PRESENTING CLINICAL SIGNS

Champi Nieves History: Patient presents with episodes of vomiting after eating. He was diagnosed with CHF with pulmonary edema 2 weeks ago and the chest X-rays were evaluated where a "mass" was observed, a mass opacity in the area of the esophagus caudal to the cardiac silhouette. Meds: Furosemide 5mg bid and benazepril 2.5mg sid

SPECIES

Canine Abnormal PE/Chem/CBC/UA Results: CBC --- thrombocytosis CHEM --- BUN mild increased HW Test --- negative

BREED COMPUTED TOMOGRAPHIC STUDY OF THE THORAX

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

COMPUTED TOMOGRAPHIC FINDINGS

SEX

Male The intervertebral disc space C6/C7 is collapsed. Both shoulder joints present moderate osteophyte new bone formation.

AGE

17 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.

A thymic remnant is seen in the cranial mediastinum.

INTERPRETED BY

Sebastian Schaub,
DVM Dr. med. vet.
DipECVDI

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

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.

HOSPITAL NAME

Veterinary Image
Center

The lung parenchyma presents the expected architecture and attenuation behavior.

The most caudal segment of the esophagus, cranial to the diaphragm, presents a circumferential significant thickening of the wall, measuring up to 20 mm in width and 58 mm in length with mild multifocal mineralization. Post contrast administration, the mural esophageal mass presents a heterogeneous contrast enhancement pattern, and the wall layering is lost. The esophagus cranial to the mural thickening is mildly dilated and contains a small amount of foamy material.

REFERRING VET

Dr. R. Fernandez

A thymic remnant is appreciated in the cranial mediastinum.

The gallbladder contains hyperattenuating biliary sludge.

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Both kidneys present with variable sized, roundish, parenchymal filling defects, measuring up to 4 mm in diameter.

DATE

12/5/22



PATIENT Nodular enlargement of the right adrenal gland is appreciated, measuring 11 mm in diameter, and presenting a heterogeneous contrast enhancement pattern.

Champi Nieves

COMPUTED TOMOGRAPHIC DIAGNOSIS

- SPECIES**
- Mural esophageal mass, most caudal esophageal segment with dystrophic mineralization
 - Nodular enlargement right adrenal gland
- Canine
- Prominent thymic remnant
 - Mineralizing biliary sludge without evidence of obstruction
 - Degenerative osteoarthritis shoulder joints bilaterally
- BREED**
- Prominent mediastinal thymic remnant – likely an incidental finding
 - Renal cysts
 - No evidence of pulmonary metastatic disease
- Toy Poodle

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Male

The CT study is presenting a circumferential mural mass of the most caudal esophageal segment, consistent with neoplastic transformation – carcinoma or lymphosarcoma are considered as the top differentials. Ultrasound guided FNA sampling by an abdominal approach can be tried for further definition. Unfortunately, treatment options are limited to palliative management of the patient.

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The nodular enlargement of the right adrenal gland can present (non)functional macronodular hyperplasia or neoplastic transformation (metastasis versus primary neoplasia, such as adenoma, adenocarcinoma, pheochromocytoma).

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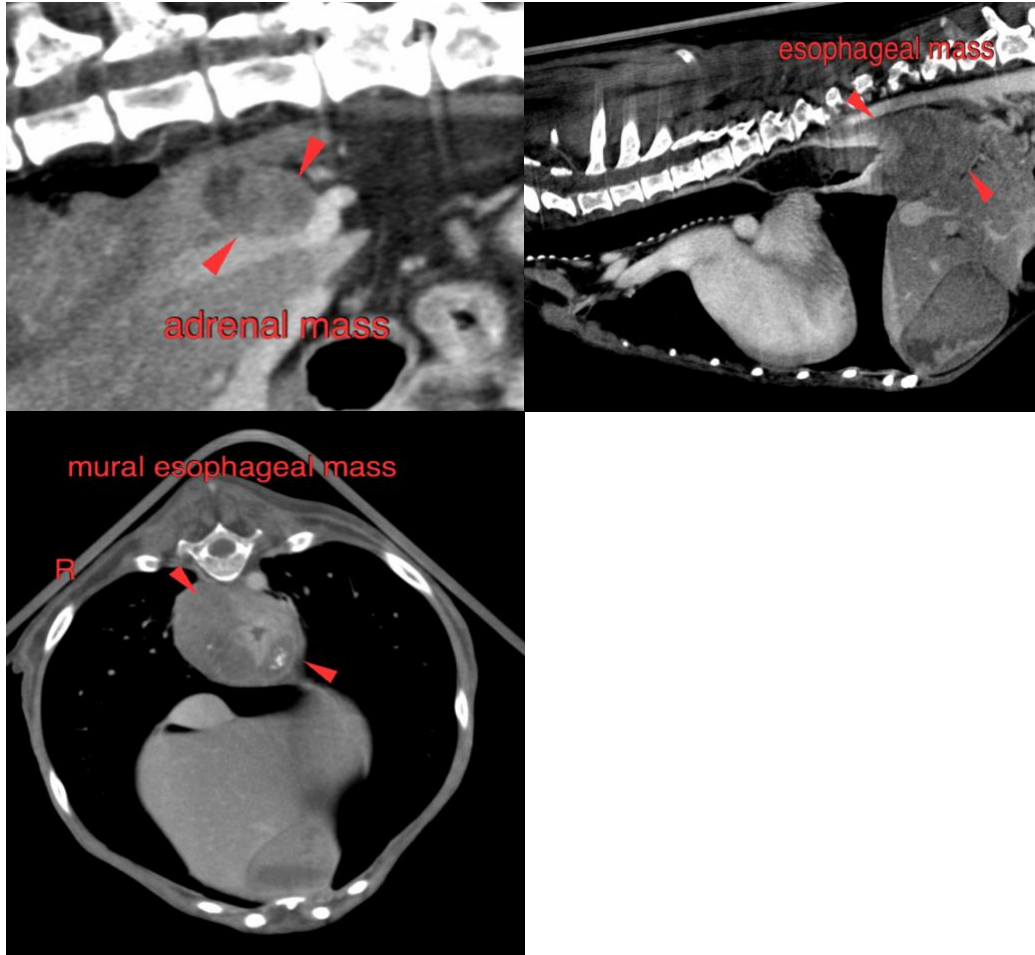
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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SPECIES

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Toy Poodle

SEX

Male

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