



PATIENT PRESENTING CLINICAL SIGNS

Stilly Miller 8/10/23- Stilly presented today for coughing the past 2 months. Its an everyday thing but does it more at night. Not when shes running. Dry cough sometimes sounds like shes hacking something up. No sneezing. No vomiting/diarrhea. Eating/drinking fine -indoors, no dog parks or boarding facilities. Does go to groomer. Was seen at mustang animal clinic a month ago. She went in for annual vaccines and mentioned cough. Prescribed cough tabs but didnt work. Called back to inform rdvm and then gave antibiotics. Activity fine didn't work, no xrays or bw. Has more pets at home but not showing symptoms.

SPECIES Canine

8/16/23- Stilly is presenting for CT after a 2 month history of coughing. Chest radiographs done 8/10 are suspicious of a mass. O states the cough is sometimes phlegmy but not consistently. She is a bit more lethargic but it comes in waves. The cough is worse at night but not consistently.

BREED Beagle

Abnormal PE/Chem/CBC/UA Results: High- Neu, PCT, ALKP, NA

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

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

SEX COMPUTED TOMOGRAPHIC FINDINGS

Male Neutered Thorax

AGE A rudimentary rib is appreciated at the right aspect of C7. The periarticular bones of both shoulder joints present mild osteophyte new bone formation.

11 Years, 1 Month **INTERPRETED BY** 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.

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 In the hilar region of the accessory lung lobe, an irregular roundish, soft tissue attenuating and irregular contrast enhancing mass is seen, measuring 5.2 x 4.2 x 4.8 mm; the bronchi in the dorsal aspect of the accessory lung lobe are compressed. The ventral part of the accessory lung lobe is consolidated with air-bronchograms.

Neel Veterinary Hospital

REFERRING VET The ventral dependent aspects of the right middle lung lobe and the caudal part of the left cranial lung lobe present zones with ground glass attenuation pattern and air-bronchograms.

Deepan Kishore, DVM,MS, DABVP Multiple pulmonary arteries present segmental intraluminal mineralization – accentuated in the right caudal lung lobe. In the right caudal lung lobe, the pulmonary arteries with central mineralization are irregularly dilated.

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

59756 Abdomen

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

DATE 8-16-23 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.



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

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

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

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

BREED Multifocal spondylosis formation is seen along the lumbar spine. All intervertebral discs along the lumbar spine are mildly bulging into the vertebral canal.

Beagle **COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass hilar region accessory lung lobe
- Ventrally distributed zones with unstructured interstitial lung pattern – suspect pneumonia/exudate/hemorrhage secondary to pulmonary mass
- Mineralization and dilation of multiple segments of the pulmonary arteries
- Degenerative osteoarthritis shoulder joints bilaterally
- Serial intervertebral disc herniation along the lumbar spine with possible dynamic myelocompression
- Spondylosis deformans lumbar spine

SEX
Male Neutered

AGE
11 Years, 1 Month

INTERPRETED BY

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The soft tissue mass in the hilar region of the accessory lung lobe is highly suggestive for primary pulmonary neoplasia – such as carcinoma or round cell tumor. Pulmonary granuloma is a differential, but the odds are low. Surgical excision of the pulmonary mass by lobectomy of the accessory lung lobe appears feasible, although adhesions with the pulmonary veins emanating from the left atrium are possible. The remaining lung lobes are negative for metastatic disease.

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The mineralization of the pulmonary arteries is likely caused by preceding or ongoing parasitic infection, such as *Angiostrongylus* or *Dirofilaria*. Testing for potential infection following the guidelines of the “American Heartworm Society” <https://www.heartwormsociety.org> is recommended.

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Stilly Miller

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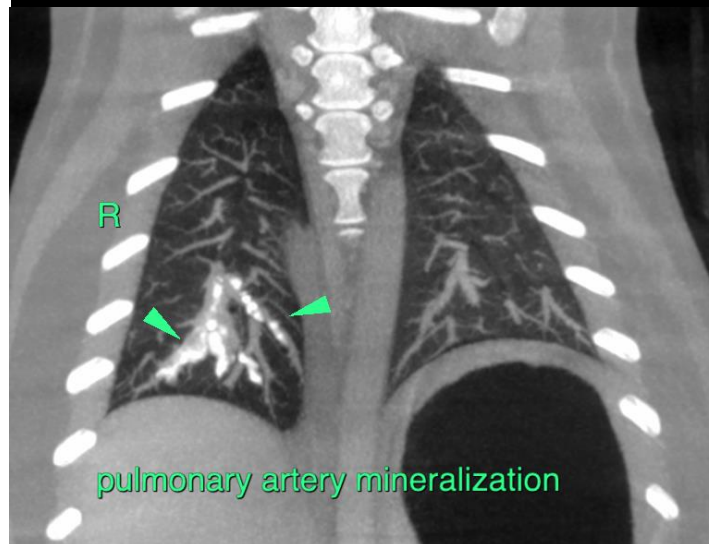
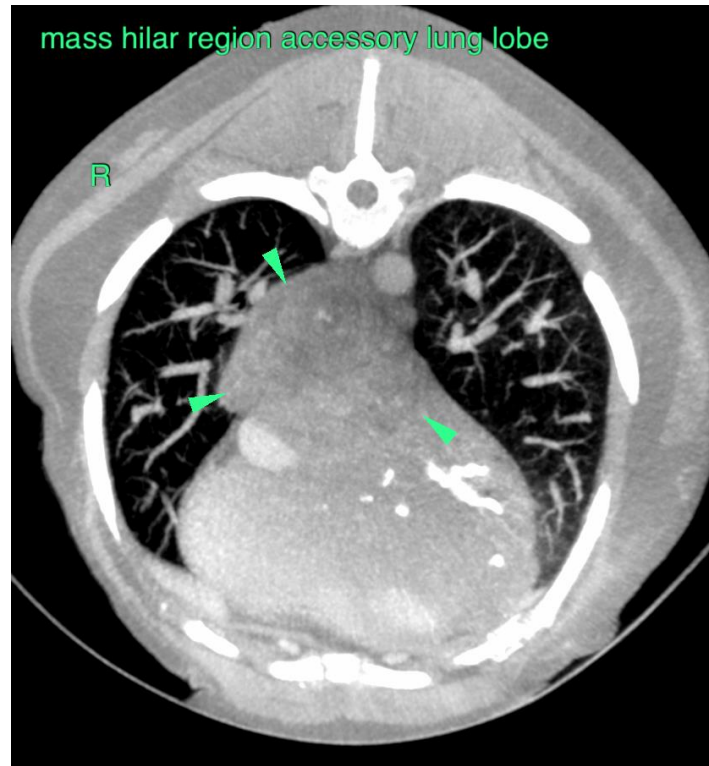
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PATIENT The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.
Stilly Miller

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.

SPECIES

Canine **Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
info@sonopath.com

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