



**PATIENT PRESENTING CLINICAL SIGNS**

Simba Asima Difficulty breathing since 3/25/23. Radiographs revealed mass effect in the cranial thorax. U/S on 3/28/23 reports 7.5cm heterogenous soft tissue structure within the thorax compressing heart and diaphragm. Multiple hyperechoic variably sized nodules within structure. R/O hepatic lobe vs hepatized lung mass.

**SPECIES**

Feline

Abnormal PE/Chem/CBC/UA Results: WBC 3.3 Neut 1.9 Mon 0.04 Unremarkable chemistry

**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.

**BREED**

DSH

**COMPUTED TOMOGRAPHIC FINDINGS**

Thorax

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

**SEX**

Male Neutered

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.

**AGE**

4 Years

Motion artefacts are appreciated along the caudal thorax/cranial abdomen.

A part of the liver – suspect left division of the liver – is protruding into the caudal aspect of the pleural cavity. The herniated liver lobe is enlarged, with rounded margins, uniform soft tissue attenuating and has a heterogeneous contrast enhancement pattern. The heart is deviated cranially by the mass effect.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The volume of the lung is generalized decreased and multiple regions with dystelectasis are appreciated.

The esophagus is generalized mildly distended by gas.

**HOSPITAL NAME**

Animal Surgical  
Center

Abdomen

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

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.

**REFERRING VET**

Great Neck Animal  
Hospital/Brooklyn  
Veterinary Group

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

The spleen presents 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 uniform contrast enhancement.

**INVOICE**

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

The bony and surrounding soft tissue structures reveal no abnormalities.

**DATE**

6-13-23

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Diaphragmatic hernia/rupture with herniation of parts of the left liver lobes



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

Simba Asima

The CT findings are consistent with a defect in the diaphragm and secondary herniation of the left hepatic lobe(s) into the thorax – the chronic herniation of the respective liver lobe is a plausible explanation for the appreciated changes, secondary to chronic congestion and dyspnea. Surgical management is recommended – as the diaphragmatic defect is likely chronic there is an increased risk of adhesion and possible reperfusion syndrome.

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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.

**INVOICE**

58783

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
[info@sonopath.com](mailto:info@sonopath.com)

**DATE**

6-13-23