



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Sam Johnson History: History of not acting right starting 1-2 nights ago. P became very lethargic, still eating some wet food but not as much as normal. Usually a very fractious cat and has no fight at all, pretty dull in clinic when obtaining diagnostics. Could have been coughing/hacking but O unsure only for one night.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: BW unremarkable

Feline

**COMPUTED TOMOGRAPHIC STUDY OF THE SKULL, THORAX AND ABDOMEN**

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

DSH

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX Skull**

Spayed Female The tooth elements 206 and 402 are absent.

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

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

**INTERPRETED BY** Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

Sebastian Schaub,  
DVM Dr. med. vet.  
DipECVDI

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.

**HOSPITAL NAME** The ventricular system is non-dilated and symmetric.

Animal Emergency Hospital Volusia The right medial retropharyngeal lymph node presents is prominent and presents a heterogeneous contrast enhancement pattern.

**REFERRING VET** Mild nodular enlargement of the left thyroid gland is appreciated, measuring up to 4 mm in diameter. The right thyroid gland presents with mild nodular enlargement of the cranial pole.

Diane Johnson **Thorax**

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

**INVOICE** The sternal 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.

14915

**DATE**

4/29/22



**PATIENT**

Sam Johnson In the cranial mediastinum, an irregular margined, soft tissue attenuating and heterogeneous contrast enhancing – sparing a fluid attenuating zone in the center – mass is seen, measuring 3.4 x 3.0 x 4.3 cm in size – occupying the complete width of the thorax at the same level. The cranial mediastinal vessels are mildly deviated dorsally.

**SPECIES**

Feline 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.

**BREED**

DSH The lung parenchyma presents the expected architecture and attenuation behavior, but mild dystelectasis of the caudodorsal aspects of the lung and the cranial lung lobes level with the mediastinal mass lesion.

**SEX**

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

Spayed Female

**Abdomen**

**AGE**

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis. The mesenteric lymph nodes are prominent.

9 Years

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.

**INTERPRETED BY**

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

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

**HOSPITAL NAME**

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

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

**REFERRING VET**

The bony and surrounding soft tissue structures reveal no abnormalities.

Diane Johnson

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**INVOICE**

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- Cranioventral mediastinal mass with cavitated center, no signs of vascular invasion
- Mild lymphadenopathy mesenteric lymph nodes and right medial retropharyngeal lymph nod
- Mild nodular enlargement thyroid glands bilaterally
- Absent triadan 206 and 402
- No evidence of pulmonary metastatic disease

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

**PATIENT** Sam Johnson  
**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS** The cranioventral mediastinal mass is consistent with neoplasia, such as thymoma, thymic sarcoma/carcinoma, ectopic thyroid carcinoma, lymphosarcoma. Recommend ultrasound guided FNA ± TruCut biopsy for further definition and decision making if surgery is an option – complete surgical excision of the cranioventral mediastinal mass appears feasible.

**SPECIES** Feline  
 The prominent lymph nodes can represent reactive hyperplasia, recommend FNA sampling to rule out malignant transformation.

**BREED** DSH  
 The nodular enlargement of the thyroid glands can represent (non)functional nodular hyperplasia or thyroid adenoma. If not done so yet, recommend complementing blood work by T4 value.

If the cranioventral mediastinal mass is explaining the acute onset of clinical signs is unclear and no additional clinically relevant abnormalities are appreciated.

**SEX**

Spayed Female

**AGE**

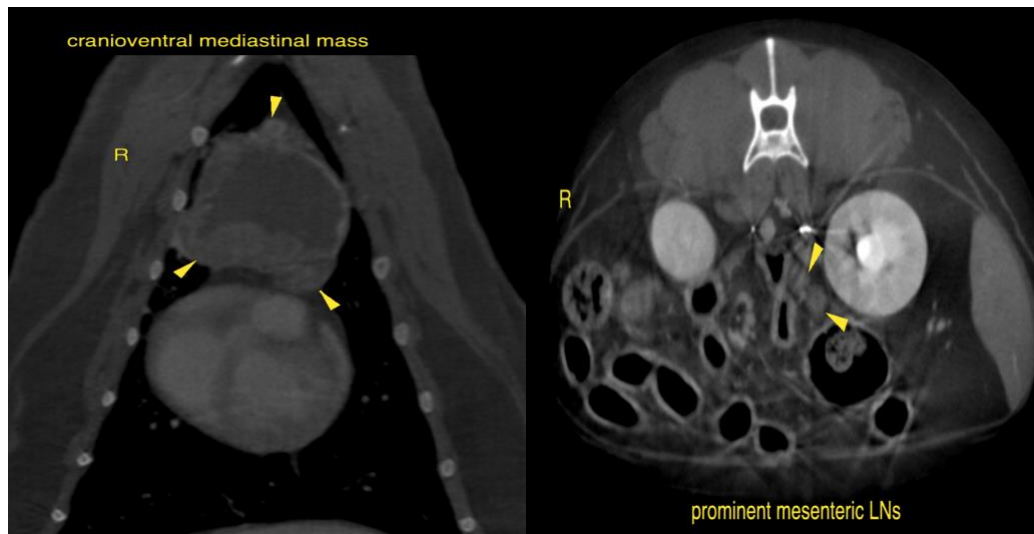
9 Years

**INTERPRETED BY**

Sebastian Schaub, DVM Dr. med. vet. DipECVDI

**HOSPITAL NAME**

Animal Emergency Hospital Volusia



**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.**

**REFERRING VET**

Diane Johnson

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**

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**PATIENT**

Sam Johnson

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Spayed Female

**AGE**

9 Years

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