



**PATIENT**

Coco Ungerer

**PRESENTING CLINICAL SIGNS**

Recurrent UTI, E.Coli, sensitive to most abs, deformed epiglottis, dilated left kidney pelvic & mishapen right kidney Rhinitis, bilateral otitis externa, stage B 1 CHF ? renal pathology, ? neoplasia

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: Elevated SDMA & UREA

**COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN**

A pre- and post-contrast CT study of the thorax and abdomen in a bone lung and soft tissue reconstruction are provided for review.

**BREED**

Cavalier King Charles Spaniel

**COMPUTED TOMOGRAPHIC FINDINGS**

Thorax

Along the thoracic spine, multifocal moderate spondylosis formation is appreciated.

**SEX**

Female

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.

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

**AGE**

12

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.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The lung parenchyma is moderately inspirated and multiple zones with ground-glass attenuation of the lung parenchyma 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.

**REFERRING VET**

Alexandria Tyson

Both kidneys present a mild to moderately decreased volume, R>>L, with irregular margins. Post contrast administration, multiple parenchymal filling defects are appreciated throughout the renal cortex bilaterally. Both kidneys present a physiological pyelogram. The dorsal vulvar fold is prominent.

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.

A small amount of mineral attenuating material is appreciated in the ventral aspect of the gallbladder.

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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.

Multiple intervertebral discs along the lumbar spine are mild to moderately protruding into the vertebral canal, distorting the dural tube.

**SPECIES**

Canine

- COMPUTED TOMOGRAPHIC DIAGNOSIS**
- Redundant dorsal vulvar fold
  - Bilateral chronic nephropathy, R>>L
  - Bilateral renal cortical cysts
  - Serial mild to moderate intervertebral disc protrusions along the lumbar spine with possible dynamic spinal cord compression
  - Dystelectasis of the lung parenchyma, due to general anesthesia
  - Mild mineralized biliary sludge and segmental mineralization of an intrahepatic biliary vessel – no signs for mechanical obstruction
  - Spondylosis deformans
  - No evidence of pulmonary metastatic disease

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Spaniel

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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The recurrent clinical signs of the urinary tract may be triggered by the redundant vulvar fold which cause urinary retention. If the diagnosis is fitting the findings from the clinical examination, vulvoplasty to prevent urine retention is considered beneficial.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The renal changes are consistent with chronic nephropathy, likely due to chronic interstitial nephritis or glomerulonephritis. There is no evidence of renal mass/malignant transformation.

**HOSPITAL NAME**

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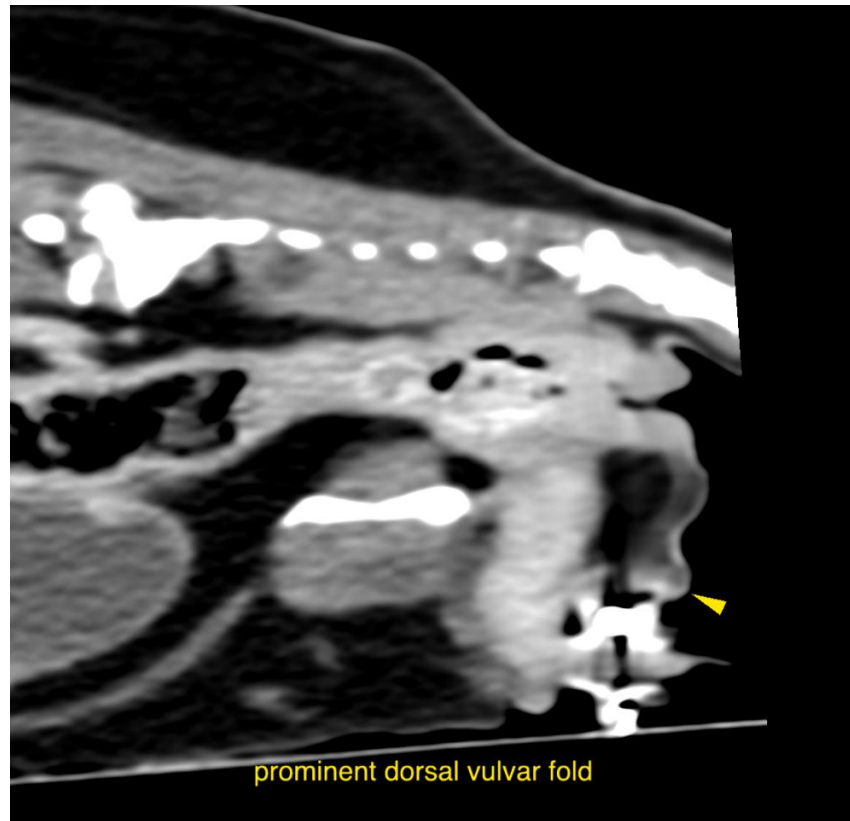
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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Spaniel

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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
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