



PATIENT	PRESENTING CLINICAL SIGNS
Lulu Hechtkopf	Recurrent hematuria. Previous internal medicine consult and abdominal ultrasound due to hypoalbuminemia and proteinuria (report attached). Abnormal PE/Chem/CBC/UA Results: labs attached
SPECIES	COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN & LUMBAR SPINE
Canine	Pre/post contrast studies provided for review.
BREED	COMPUTED TOMOGRAPHIC FINDINGS
French Bulldog	Spine: There are calcified, moderate disc protrusions noted at the level of L4/5, L6/7 and L7/S1, each leading to a dorsal displacement of the spinal cord/cauda fibers with signs of a mild compression especially L7/S1. The sacrum and tail present marked but breed-expected malformations. The cranial aspect of the right L7/S1 facet joint shows a focal and cloudy mineralization. Another focal calcification is recognized dorsal to the right hip joint. A relevant mass effect or pathologic enhancement is not recognized.
SEX	
Female Spayed	
AGE	
6 Years, 8 Months	
INTERPRETED BY	Abdomen:
Sebastian Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging	The urinary bladder is mildly filled and presents marked, diffuse and mildly irregular thickening of the wall with transverse diameters up to 8.8 mm. The trigone and pelvic urethra present normal findings. There is no evidence of radiopaque cystic calculi or sediment.
HOSPITAL NAME	Abdominal lymph nodes and abdominal vessels have no particular findings. Signs of peritoneal/retroperitoneal effusion or free gas are not recognized.
Mobile Pet Imaging	Liver and spleen show normal findings in terms of size, surface, shape and contrast behavior. Gallbladder is inconspicuous without evidence of cholestasis.
REFERRING VET	Pancreas presents normal size and shape with a smooth surface.
Meaux	Unremarkable presentation of the bilaterally symmetrical kidneys with a length of 4.8 cm on the left and 4.9 cm on the right.
INVOICE	Adrenal glands appear mildly enlarged but symmetrical with diameters of 2.21 x 0.58 x 0.55 cm on the left and 1.86 x 0.42 x 0.52 cm on the right.
47356	
DATE	As far as can be assessed, the stomach and all parts of intestine are regularly presented without any indication of a wall thickening or a mass. There are no signs of an obstructive or functional ileus.
9-10-21	

**PATIENT**

Lulu Hechtkopf

SPECIES

Canine

BREED

French Bulldog

SEX

Female Spayed

AGE

6 Years, 8 Months

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German Board
Certified Vet
Specialist in
Diagnostic Imaging

HOSPITAL NAME

Mobile Pet Imaging

REFERRING VET

Meaux

INVOICE

47356

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Significant diffuse thickening of the urinary bladder wall
- Mild and bilaterally symmetrical hyperplasia of the adrenal glands
- Moderate disc protrusions L4/5, L6/7 and L7/S1 with mild compression of the spinal cord and the equine cauda
- Breed-appropriate malformations of the sacrum and tail
- focal mineralization cranial to the right facet joint of L7/S1 and dorsal to the right hip

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

CT findings of the bladder do reflect the reported hematuria. The significant thickening of the wall could represent chronic cystitis. Chronic increased resistance due to obstructive disease (chronic urethritis?) is possible. CT cannot fully exclude early-stage neoplasia such as transitional cell carcinoma. I do not suspect the latter since the wall thickening appears diffuse and involves all parts. Diffuse thickening somehow is dependent on the grade of filling and can occur with deep infection of the wall layers and mechanical stimulus due to cystic calculi which are not detected. Cystocentesis for urine culture/cytology as well as a follow-up ultrasound in 3 weeks after initial/empiric therapy could be the next diagnostic steps.

Both adrenal glands are mildly enlarged. Neoplasia is not suspected.

Disc protrusions of the caudal lumbar spine especially at L7/S1 are common findings in French bulldogs and usually incidental without clinical relevance. These findings must be correlated with the clinical presentation. They do not explain neurologic disorders of the micturition process or urinary retention since the bladder tone appears inconspicuous from a CT perspective. The detected mineralization cranial to the right facet joint L7/S1 represents a non-relevant focal calcinosis. A non-reactive calcifying bursitis is suspected dorsal to the right hip joint which is consistent with a chronic and degenerative finding.



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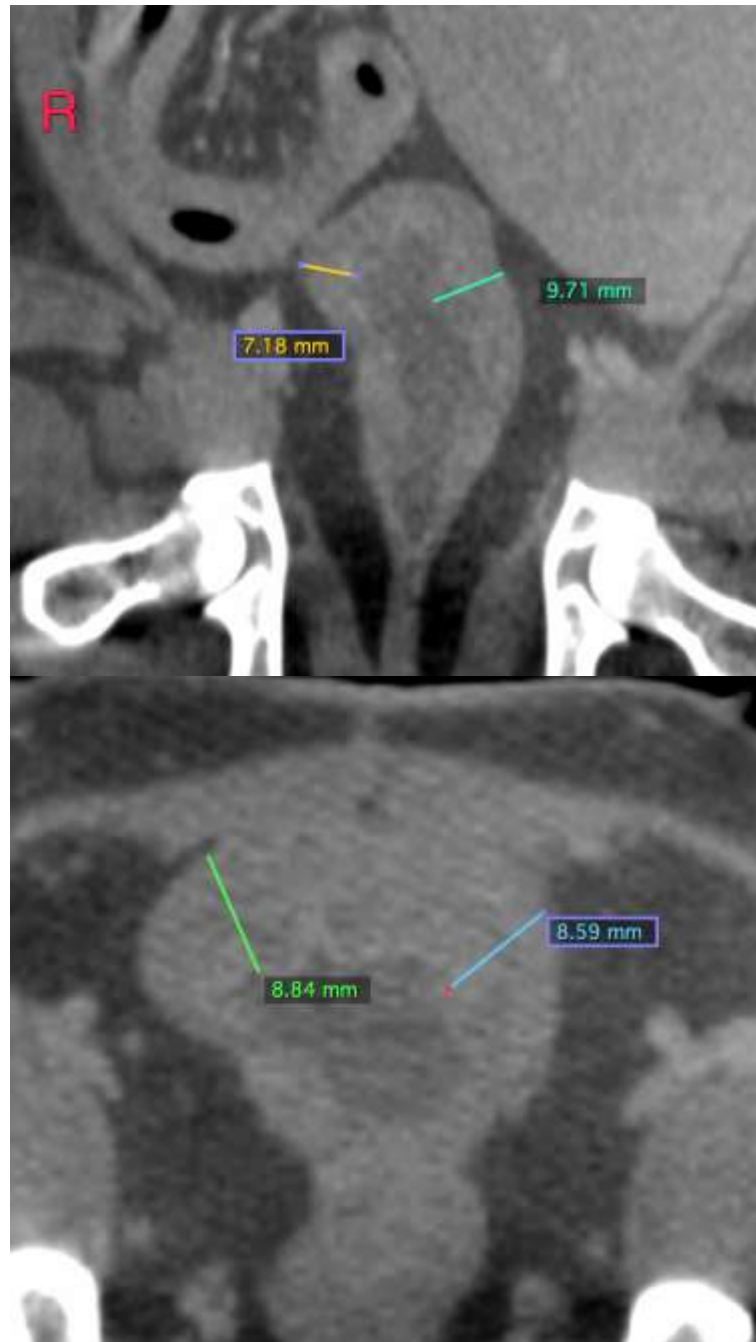
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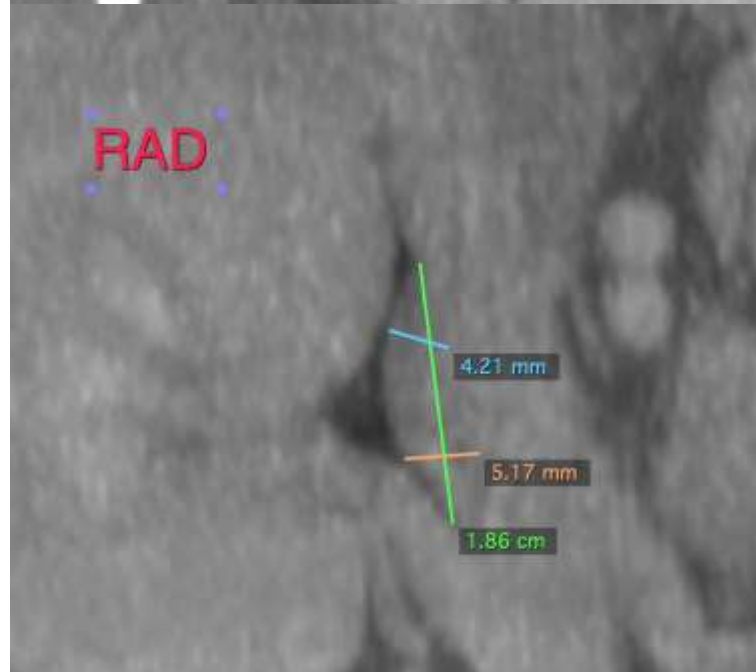
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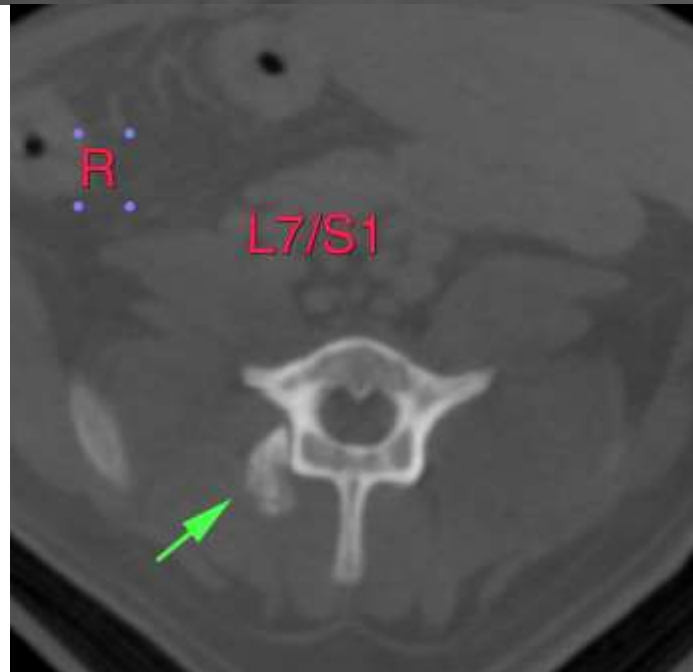
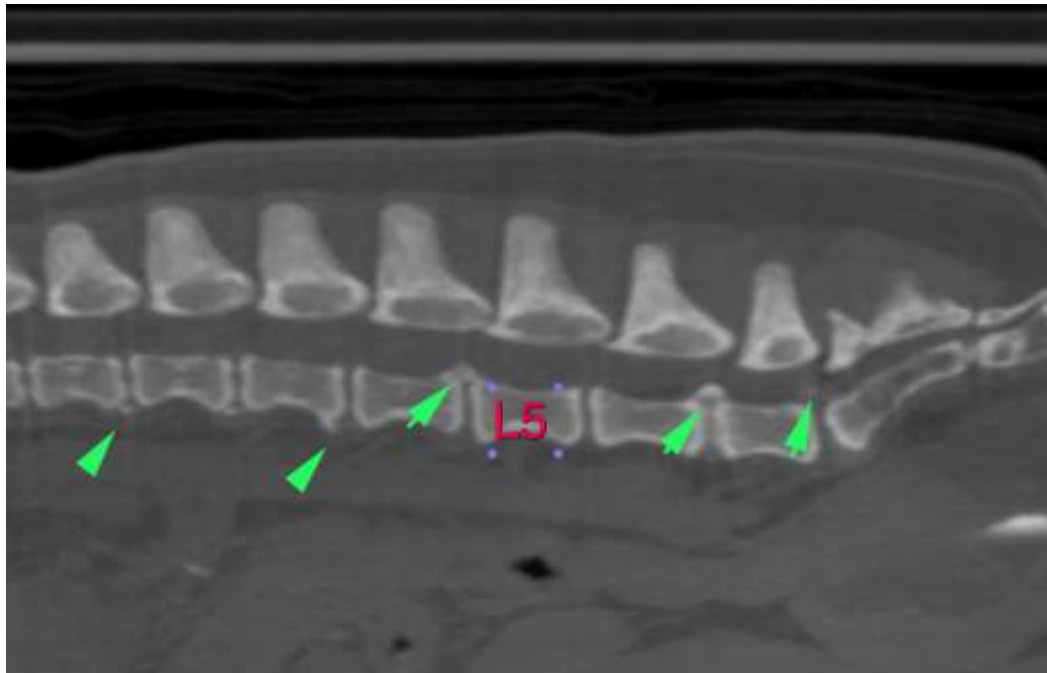
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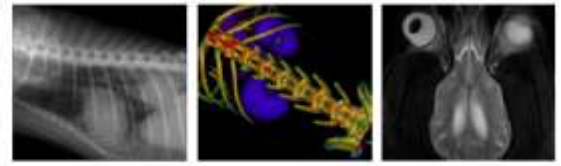
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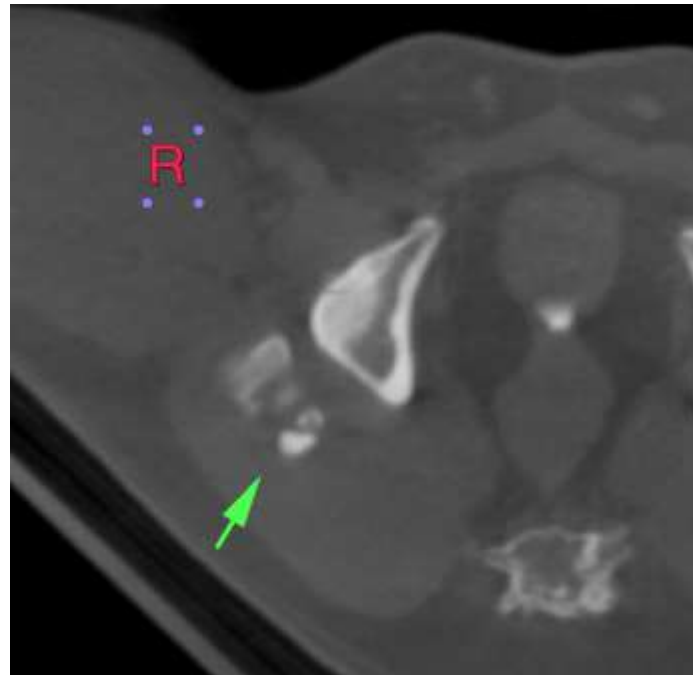
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Sebastian Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging
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