



PATIENT	PRESENTING CLINICAL SIGNS
Maggie Hwang	patient came today due to being lethargic for the past couple of day and very anorexic and has a large tumor on his abdomen
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine	Urinary System
BREED	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal tone. Mild nonuniform thickening of the urinary bladder wall was present measuring 0.59 cm in width. A solitary symmetrical to curvilinear calculus measuring 2.4 cm in diameter was present with otherwise anechoic urine.
Pomeranian	
SEX	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 3.5 cm in length. The right kidney measured 4.0 cm in length
F	
AGE	The area of the aortic trifurcation was free of pathology.
12yr	No overt pathology associated with the uterus or ovaries if intact female.
WEIGHT	Adrenal Glands
10.8	The left adrenal gland was mildly enlarged with symmetrical capsule contour and non-homogenous non-mineralized parenchyma. The left adrenal gland measured 1.7 cm width at the caudal pole and 2.7 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.47 cm width at the caudal pole and 1.6 cm length.
INTERPRETED BY	Spleen
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The spleen exhibited normal size and generalized mild parenchymal heterogeneity including multifocal pinpoint hyperechoic splenic foci which are suggestive of areas of microinfarction, fibrosis or mineralization. No splenic masses noted. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.
IMAGING PERFORMED BY	Liver/Gallbladder
Dr. Kim	The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non distended in size with echogenic, nonmineralized, non-dependent biliary sludge. The biliary sludge was non organized with a hypoechoic to anechoic, irregular to interrupted rim visible between the nondependent sludge and inner wall. No signs of peripheral inflammation.
HOSPITAL NAME	Gastrointestinal
Ridgefield Park Animal Hospital	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.
REFERRING VET	
Dr. Kim	
INVOICE	
12664ag	
DATE	
01/11/2023	



PATIENT

Maggie Hwang

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

SPECIES

Canine

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum, likely consistent with age related changes and considered incidental. No signs of active inflammation or neoplasia.

BREED

Pomeranian

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

SEX

F

Unspecified mild irregular to hypoechoic mass present in the labeled suspected ventral subcutaneous space measuring 6.6 cm in diameter.

ULTRASONOGRAPHIC FINDINGS

AGE

12yr

- Urinary bladder calculus with mild cystitis
- Bilateral chronic renal changes
- Mild left adrenomegaly-benign hyperplasia, functional vs non-functional adenomatous change, potential for emerging neoplasia possible
- Benign splenic hyperechoic foci
- Partial/emerging gallbladder mucocele
- Overtly normal GI tract/pancreas
- Non-specific subcutaneous mass-concern for neoplastic criteria, potentially of mammary gland origin given the location

WEIGHT

10.8

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A urine C/S on sterile urine sample suggested. A screening BP is advised to assess for evidence of hypertension which may allude to emerging left adrenal neoplastic criteria i.e., pheochromocytoma. Full adrenal workup suggested if signs consistent with Cushing's syndrome are present. Correlation with a full CBC/chemistry panel and UA is recommended if not done. A spec cPL could be considered for evidence of low-grade to chronic pancreatitis which at times may present sonographically normal. As needed GI support recommended. Assuming normal clotting status a subcutaneous mass FNA for screening cytology is warranted for further assessment and potential oncology consult.

IMAGING PERFORMED BY

Dr. Kim

HOSPITAL NAME

Ridgefield Park
Animal Hospital

REFERRING VET

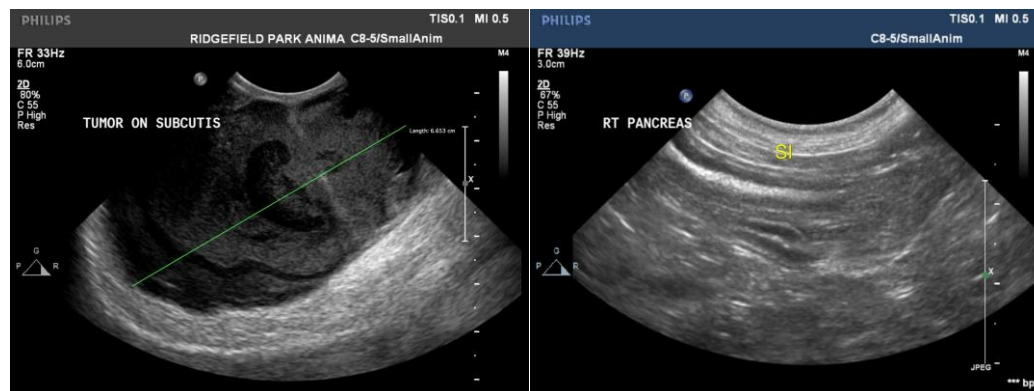
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PATIENT

Maggie Hwang

SPECIES

Canine

BREED

Pomeranian

SEX

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AGE

12yr

WEIGHT

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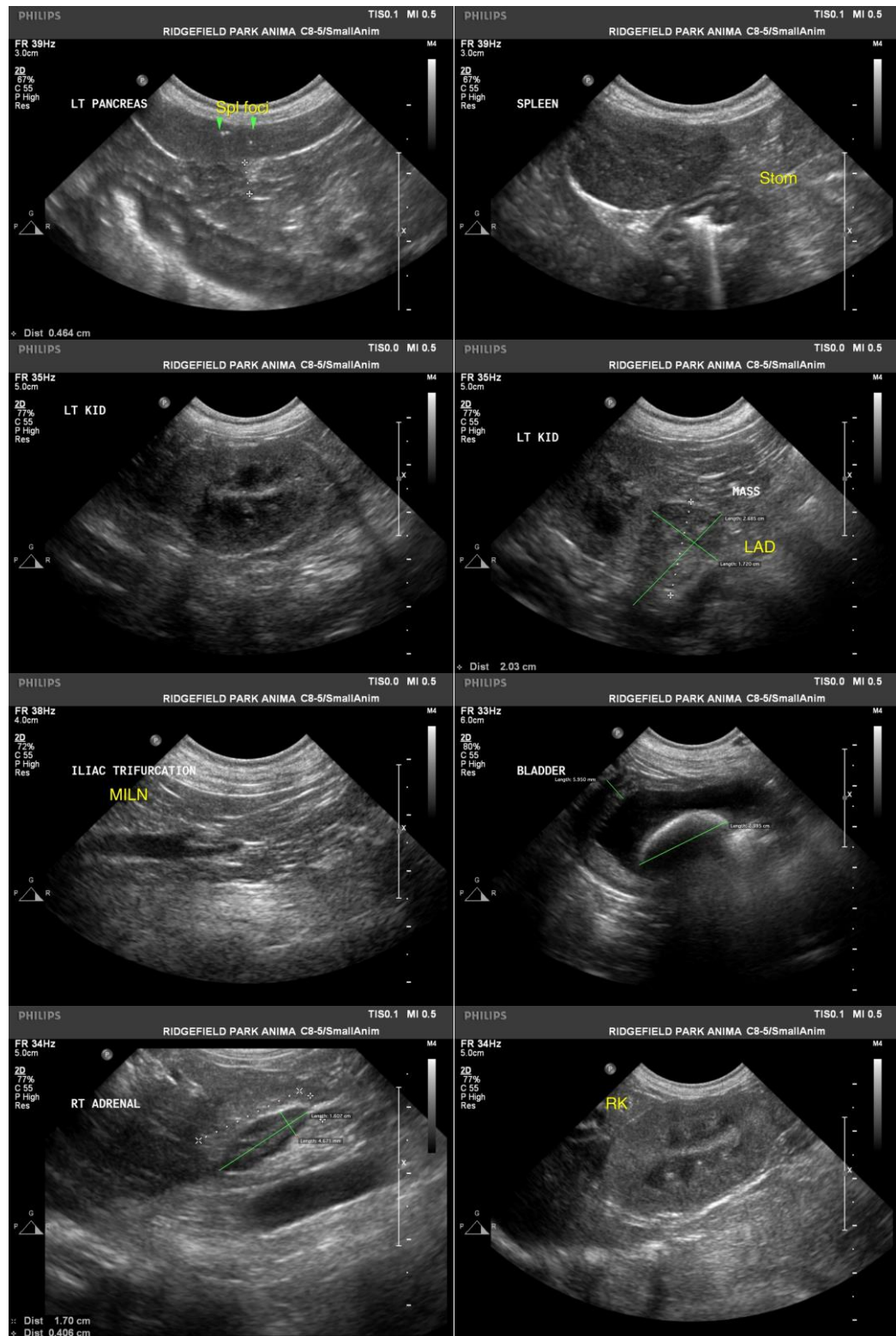
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Maggie Hwang

SPECIES

Canine

BREED

Pomeranian



SEX

F

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.

AGE

12yr

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.

WEIGHT

10.8

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DVM, DABVP
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