



PATIENT	PRESENTING CLINICAL SIGNS
Joon Jung	History: Elevated liver enzymes and recently diagnosed DM. Possible splenic nodule. Abnormal PE/Chem/CBC/UA Results: RBC 3.41, Hematocrit 24.9, Hgb 9.1, MCV 73.0, Eos 0.05, PLT 599, Gluc 501, BUN 66, Ca 7.4, Na 141, Cl 95, TP 4.5, Alb 2.1, ALT 136, ALP >2000, Lipase 4506
SPECIES	
Canine	
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Cavalier King Charles Spaniel	Urinary System
SEX	The urinary bladder , trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.
Neutered male	The residual prostate measured 1.0 cm.
AGE	The kidneys revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex. Cortical cysts and slight mineralization were noted. The kidneys revealed slight pyelectasia. The right kidney measured 7.56 cm. The left kidney measured 7.02 cm.
12 years	
WEIGHT	Adrenal Glands
25.4 lbs	The right adrenal gland was prominent and measured 2.86 x 0.86 x 1.46 cm. The left adrenal gland was uniform and measured 2.65 x 0.64 cm at the caudal pole and 0.65 cm at the cranial pole.
INTERPRETED BY	Spleen
Eric Lindquist, DMV DABVP, Cert. IVUSS	The spleen revealed a hypoechoic nodule at the mid cranial body measuring 0.61 cm with a separate expansive mass measuring 2.16 x 1.39 cm.
IMAGING PERFORMED BY	Liver
Jessica Miller, RDMS	The liver revealed diffuse, hyperechoic vacuolar hepatopathy pattern with gallbladder debris and polyps. This is consistent with metabolic hepatopathy.
HOSPITAL NAME	Gastrointestinal
Englewood VC	Examination of the gastrointestinal tract revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.
REFERRING VET	
Dr. Ezik	
INVOICE	
32228	
DATE	
8/9/22	



PATIENT

Pancreas

Joon Jung

The **pancreas** was enlarged, irregular and hypoechoic with undulating contour. The pancreas measured 1.76 cm.

SPECIES

Canine

Heart

Rapid view of the heart revealed no pathology in the right auricle and pericardium with normal cardiac function.

BREED

Cavalier King Charles
Spaniel

ULTRASONOGRAPHIC FINDINGS

SEX

Minor degenerative renal changes.

Neutered male

Splenic nodule and separate splenic mass. Round cell neoplasia, hemangiosarcoma or pronounced nodular hyperplasia is all possible.

AGE

Chronic pancreatic changes, suggestive for chronic active pancreatitis.

12 years

Prominent right adrenal gland.

WEIGHT

25.4 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Treatment for pancreatitis is warranted with ultrasound-guided FNA of the splenic nodules or direct splenectomy and liver biopsy is recommended. CBC path review +/- bone marrow aspirate is warranted given the anemia in this patient. There was no evidence of hemorrhage present. The splenic lesions may be a focal manifestation of the multi-centric process involving possibly the bone marrow. Chronic active pancreatitis fits with the clinic profile.

IMAGING PERFORMED BY

Jessica Miller, RDMS

HOSPITAL NAME

Englewood VC

REFERRING VET

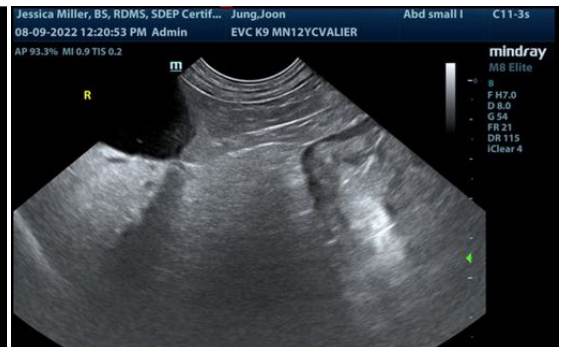
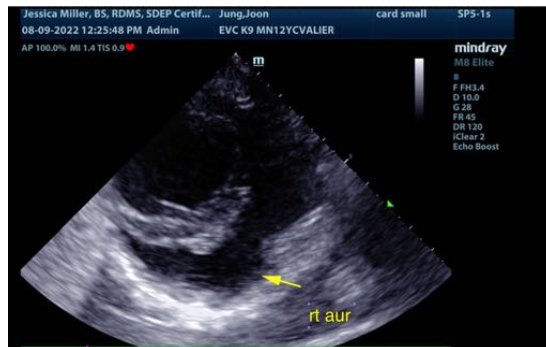
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PATIENT

Joon Jung

SPECIES

Canine

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Cavalier King Charles
Spaniel

SEX

Neutered male

AGE

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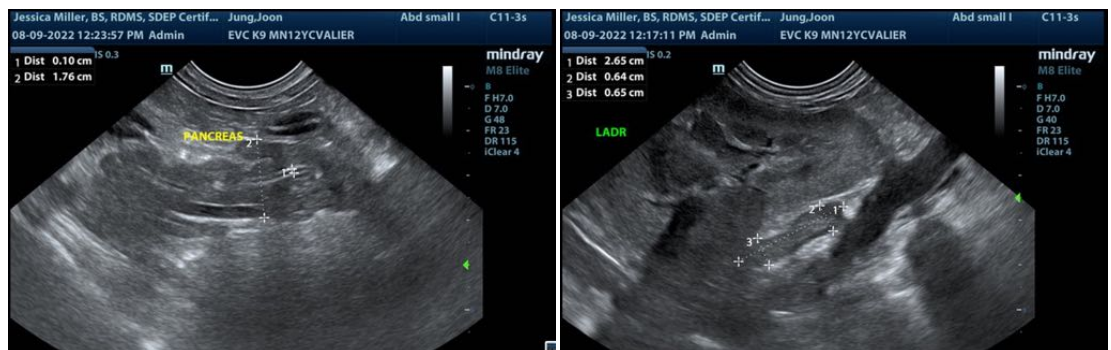
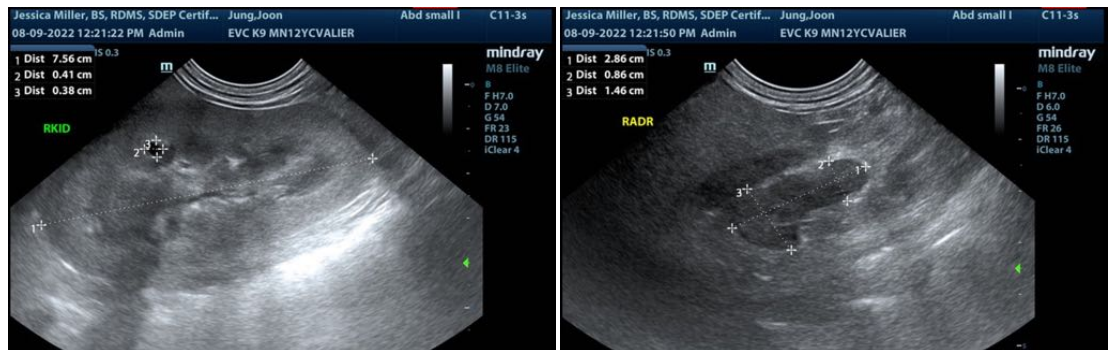
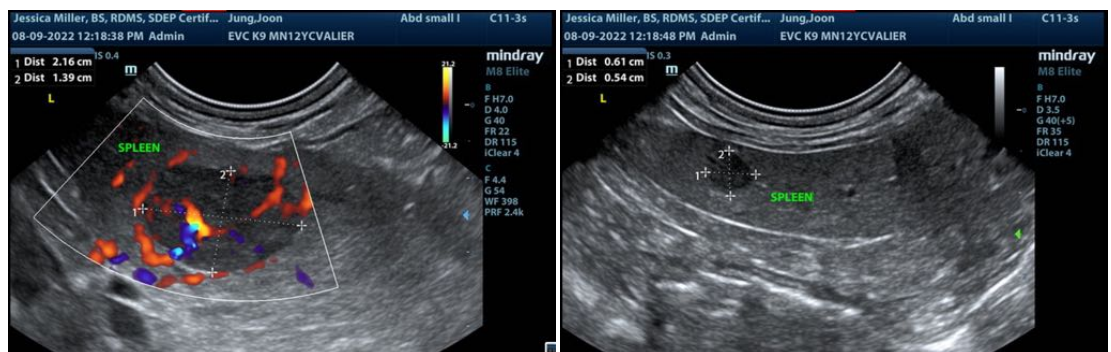
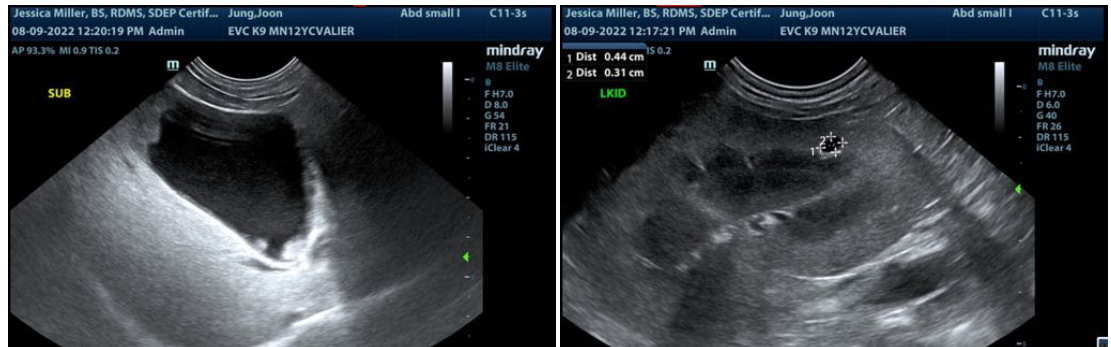
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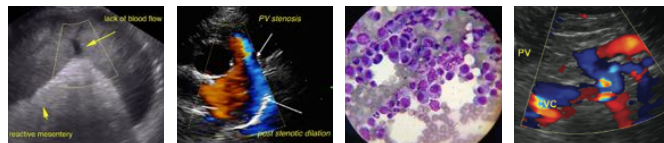
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance please contact me.

Joon Jung

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

SPECIES

Canine

BREED

Cavalier King Charles
Spaniel

SEX

Neutered male

AGE

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