

PATIENT

Chevy Carder

SPECIES

Canine

BREED

Beagle Mix

SEX

MN

AGE

14 Years

WEIGHT

47.5 lbs

INTERPRETED BY

Sebastian Jawinski,
German Board Certified
Vet Specialist in
Diagnostic Imaging

IMAGING PERFORMED BY

Rachel Runnells, RVT

HOSPITAL NAME

SVS Imaging Kansas
City

REFERRING VET

Dr. Lindsay Banks

INVOICE

56548

DATE

1-30-23

PRESENTING CLINICAL SIGNS

No clinical signs related to anemia or suspected abdominal mass; anemia found on routine bloodwork because Chevy is on Carprofen and Levothyroxine. Bloodwork findings led to radiographs, radiographs led to ultrasound recommendation.

Abnormal PE/Chem/CBC/UA Results: On physical exam, Chevy is BAR, mm pale pink, no heart murmur auscultated, multiple SQ masses. Bloodwork performed 1/16/23 revealed a normocytic normochromic non-regenerative anemia and decreased reticulocyte-hemoglobin. Discussed my concern for possible neoplasia with owner, recommended thoracic and abdominal radiographs which showed a possible left cranial abdominal mass, no evidence for metastatic pulmonary neoplasia, suspect irregularity of the left kidney, mild hepatomegaly, suspect IVDD at L1-2 and mild osteoarthritis at the left coxofemoral joint. Discussed abdominal ultrasound vs exploratory surgery with owner.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

The left lateral abdomen reveals a large, amorphous, and highly heterogenous mass appearing multi-lobulated and polycystic. Focal mineralization is recognized. Diameters are > 10 cm. The lesion partially lies adjacent to the aorta with a questionable invasion of the aortic wall and aortic lumen and in the direct periphery of the spleen. The left kidney at least is included showing multiple nodules crossing the capsule. The left renal pelvis is mildly distended. Involvement of the left ureter is suspected. The left adrenal gland is not visualized. There is no relevant amount of free peritoneal or retroperitoneal fluid recognized.

Urinary System

The urinary bladder, trigone and pelvic urethra present normal findings without evidence of uroliths or sediment. Wall layering is intact on all views without focal or diffuse thickening. No evidence of an inflammatory or neoplastic process is noted.

The right kidney measures 7.3 cm in length showing a slightly age-appropriate fuzzy corticomedullary transition. The right renal pelvis and exit to the ureter is unremarkable.

Reproductive Tract

The prostate is normal with a homogeneous texture and appears smoothly margined measuring 1.57 x 0.89 cm.

Adrenal Glands

The right adrenal gland measures 0.80 cm in the caudal pole and is considered as normal.

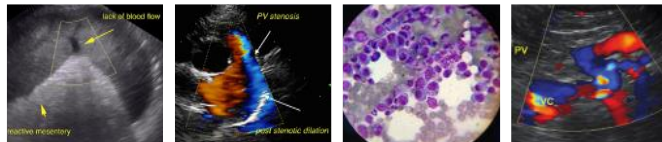
Spleen

Splenic margins are mildly rounded. The splenic echogenic texture is predominantly homogeneous without protrusions of the capsule. There are several cystic to mass-like lesions noted with maximum diameters of 3.3 cm. Splenic vasculature presents normal course of vessels and unremarkable perfusion of the splenic veins.

Liver/Gallbladder

The liver shows a subtle rounding of the liver edges. Liver echogenic texture appears generally and mildly hyperechoic and inhomogeneous. Again, multiple cystic lesions are detected measuring 2.7 cm in diameter. The gallbladder shows a small amount of sludge which is considered as normal. There are no signs of relevant sludge, a florid process or cholestasis.

Gastrointestinal



PATIENT

Chevy Carder

The stomach, the small intestine and colon present intact wall layers being normal in width and echogenicity. Adjacent mesentery and fat tissue are of normal appearance.

Pancreas

SPECIES

Canine

All pancreatic parts displayed show isoechoic echogenicity to the surrounding omental fat. A single nodule-like, hypoechoic lesion of 0.47 cm is detected caudal to the liver in the duodenal part of the pancreas. Signs of inflammatory changes are missing.

BREED

Beagle Mix

Free Abdomen

There is no evidence of peritoneal or retroperitoneal effusion noted. The para-aortal and medial iliac lymph nodes are considered to be normal.

SEX

MN

ULTRASONOGRAPHIC FINDINGS

Primary

- Large, irregular retroperitoneal mass including left kidney and ureter, invasion of the aorta is suspected.
- Cystic lesions spleen, partially mass-like; mild unspecific splenomegaly
- Cystic lesions liver, mild hepatomegaly with an inhomogeneous texture
- Small hypoechoic nodule pancreas

AGE

14 Years

WEIGHT

47.5 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasonographic findings of the left lateral abdomen most probably represents a malignant, retroperitoneal and locally invasive neoplasia. The definite origin cannot be terminated with ultrasound. The left adrenal gland which is a potential origin of the lesion was not visualized. Differentials include but are not limited to (cystic) adenocarcinoma, pheochromocytoma and hemangiosarcoma of the retroperitoneum. CT of thorax and abdomen as well as FNA of the lesion could be performed next. Curative surgery seems difficult from a sonographic perspective.

Cystic lesions of the spleen and liver are commonly benign. Although non-specific, maximum diameters of > 3 cm can be a sign of malignancy.

Splenomegaly and hepatomegaly again are unspecific and chronic/degenerative findings. Infiltrative disease however cannot be ruled out by ultrasound.

The hypoechoic pancreatic nodule may be an incidental, degenerative, and clinically irrelevant finding. This must be correlated with other clinical results (insulinoma possible?).

INTERPRETED BY

Sebastian Jawinski,
German Board Certified
Vet Specialist in
Diagnostic Imaging

IMAGING PERFORMED BY

Rachel Runnells, RVT

HOSPITAL NAME

SVS Imaging Kansas
City

REFERRING VET

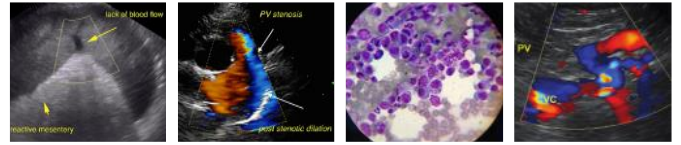
Dr. Lindsay Banks

INVOICE

56548

DATE

1-30-23



PATIENT

Chevy Carder

SPECIES

Canine

BREED

Beagle Mix

SEX

MN

AGE

14 Years

WEIGHT

47.5 lbs

INTERPRETED BY

Sebastian Jawinski,
German Board Certified
Vet Specialist in
Diagnostic Imaging

IMAGING PERFORMED BY

Rachel Runnells, RVT

HOSPITAL NAME

SVS Imaging Kansas
City

REFERRING VET

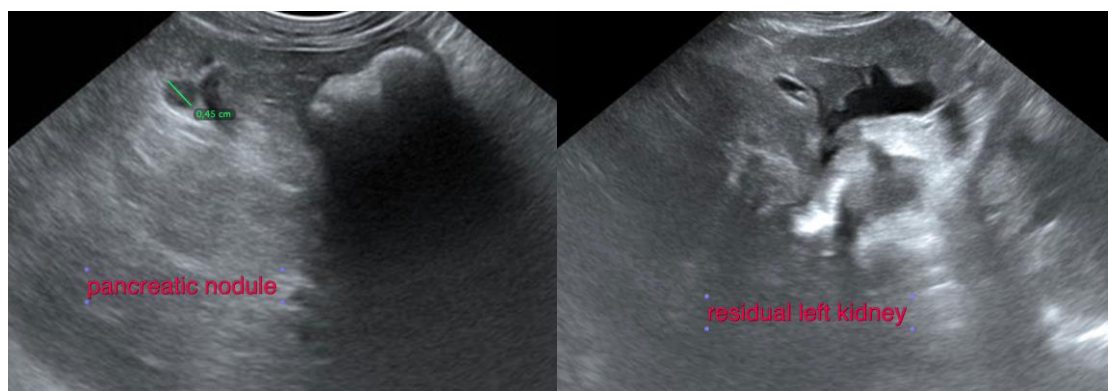
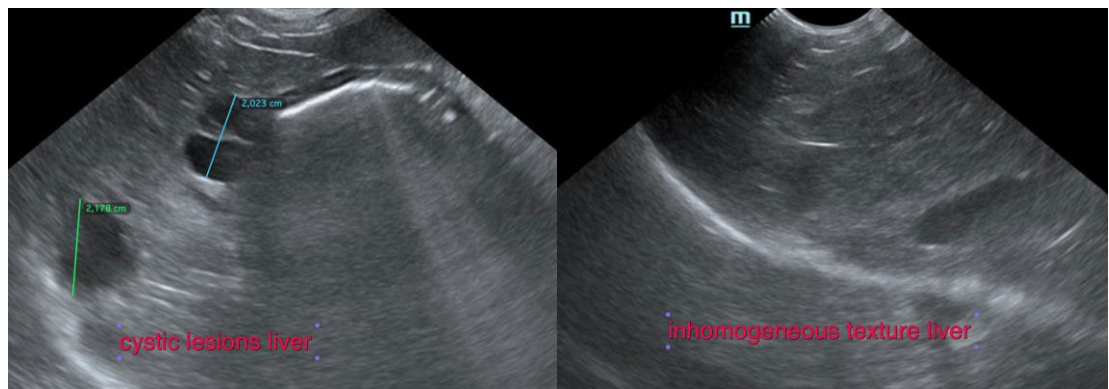
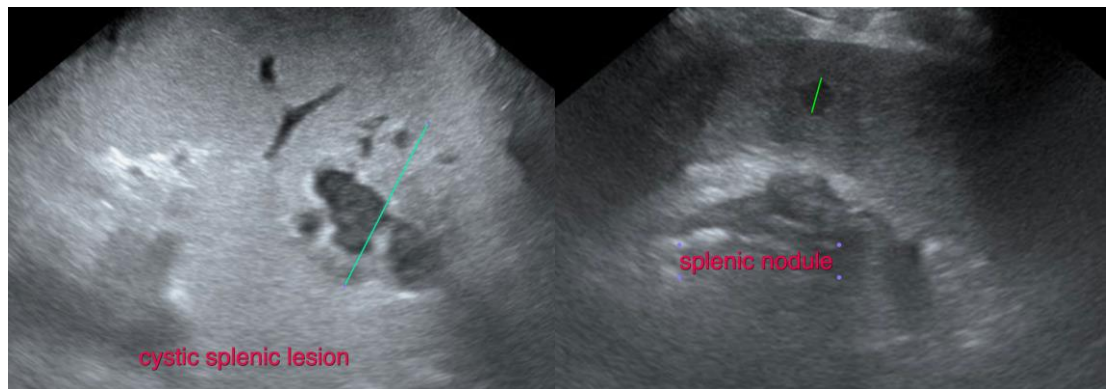
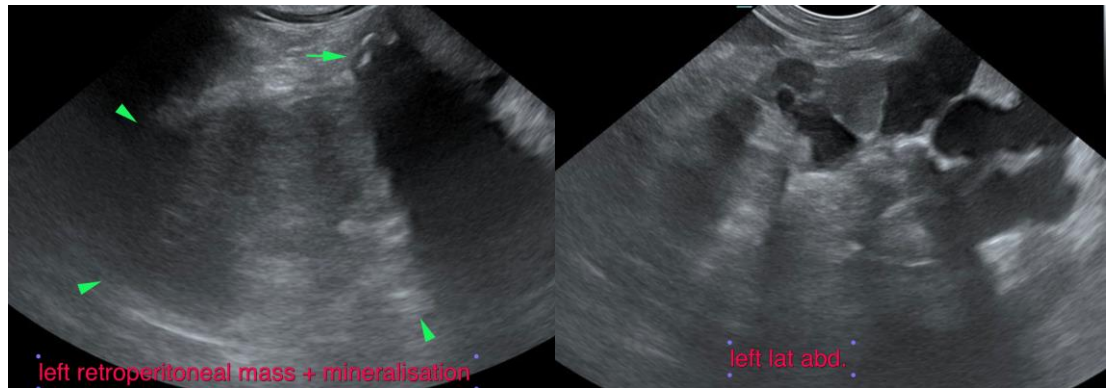
Dr. Lindsay Banks

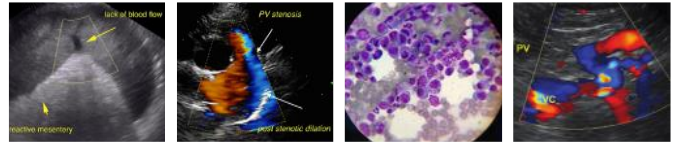
INVOICE

56548

DATE

1-30-23





PATIENT

Chevy Carder

SPECIES

Canine

BREED

Beagle Mix

SEX

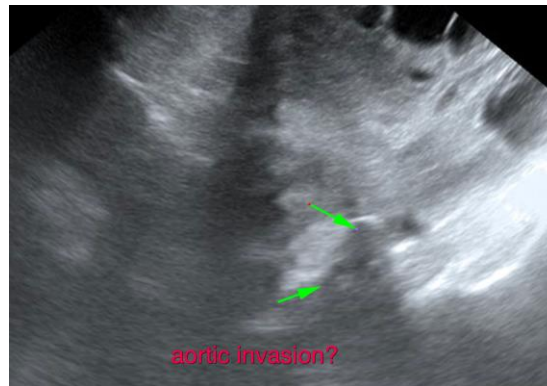
MN

AGE

14 Years

WEIGHT

47.5 lbs



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 can be of any further assistance please contact me.

Sebastian Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging
info@sonopath.com

INTERPRETED BY

Sebastian Jawinski,
German Board Certified
Vet Specialist in
Diagnostic Imaging

**IMAGING
PERFORMED BY**

Rachel Runnells, RVT

HOSPITAL NAME

SVS Imaging Kansas
City

REFERRING VET

Dr. Lindsay Banks

INVOICE

56548

DATE

1-30-23