



PATIENT

Hershey Falco

SPECIES

Canine

BREED

Shepherd Mix

SEX

Spayed Female

AGE

12 Years

WEIGHT

73 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Kelly Vazquez

HOSPITAL NAME

Ramapo Valley AH

REFERRING VET

Dr. Katara

INVOICE

13040

DATE

12/13/21

PRESENTING CLINICAL SIGNS

History: Progressively increasing liver values. History of hepatocellular adenoma, hepatic nodules, surgically removed. History of spindle cell tumors. Current meds: Denamarin.

Abnormal PE/Chem/CBC/UA Results: AST 75, ALT 288, ALP 436. USG: 1.029.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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 were noted. Ureteral papillae were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some moderate 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. The right kidney measured 7.78 cm. Minor pyelectasia was noted in the left kidney. The left kidney measured 7.55 cm in length.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 2.12 cm x 0.78 cm at the caudal pole and 0.83 cm at the cranial pole. The right adrenal gland measured 2.5 cm x 0.67 cm at the caudal pole and 0.58 cm at the cranial pole.

Spleen

The **spleen** presented relatively normal size and contour with multifocal hyperechoic nodular changes, most consistent with fatty deposits or lipogranulomas. These are not typically pathological. No suspicion of significant. Capsular and parenchymal integrity was normal otherwise.

Liver

The **liver** revealed increased portal markings consistent with chronic inflammatory hepatopathy. Hypoechoic nodules noted in the right cranial liver, the largest hypoechoic nodule measured 3.6 cm x 2.65 cm. Other isoechoic and hyperechoic nodular changes were noted. The **gallbladder** was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. Polypoid changes were also noted in the gallbladder.

Gastrointestinal

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.

Pancreas



PATIENT

Hershey Falco

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

- Lipogranulomatous splenic changes
- Pronounced nodular hyperplasia and hepatic remodeling
- Gallbladder polypoid changes and excessive gallbladder debris-Ursodiol therapy warranted.
- Age-related renal changes with slight pyelectasia

BREED

Shepherd Mix

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

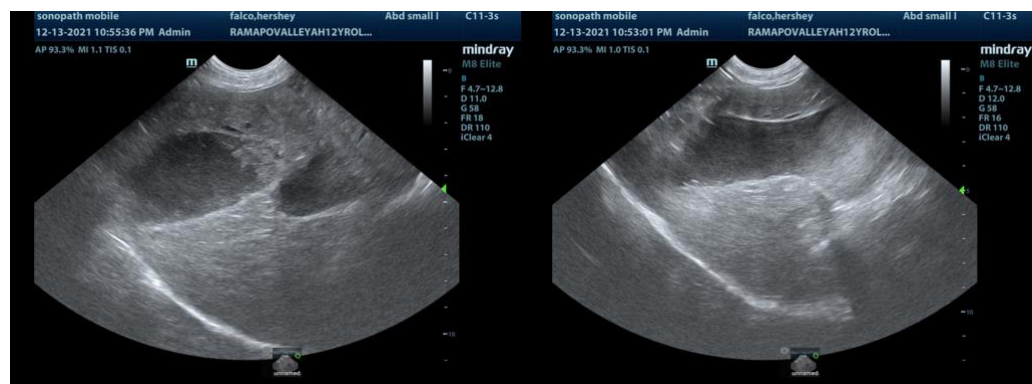
SEX

FNA of the various nodular changes would be ideal to ensure a more significant disease is not present. Sampling is strongly encouraged with ultrasound guidance.

Spayed Female

AGE

12 Years



WEIGHT

73 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS



IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Ramapo Valley AH

REFERRING VET

Dr. Katara

INVOICE

13040

DATE

12/13/21



PATIENT

Hershey Falco

SPECIES

Canine

BREED

Shepherd Mix

SEX

Spayed Female

AGE

12 Years

WEIGHT

73 Lbs.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Ramapo Valley AH

REFERRING VET

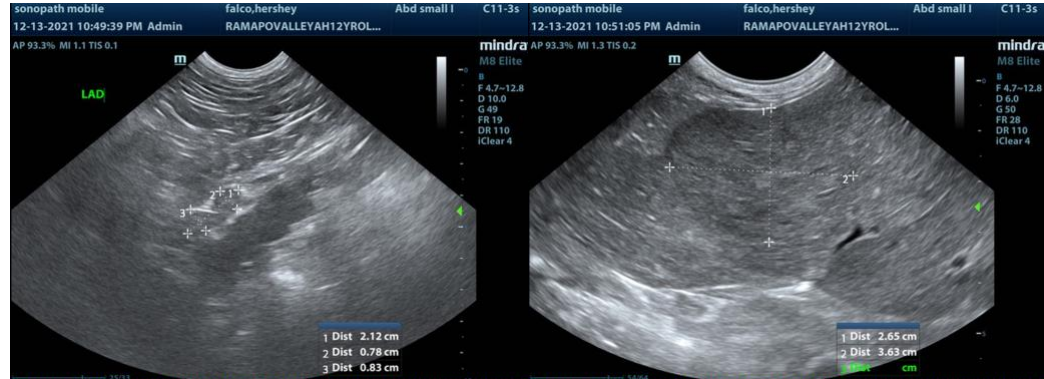
Dr. Katara

INVOICE

13040

DATE

12/13/21



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.

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