



PATIENT PRESENTING CLINICAL SIGNS

PATIENT
April Christian
SPECIES
Canine
BREED
Mix
SEX
Spayed Female
AGE
1 year
WEIGHT
45 lbs

PRESENTING CLINICAL SIGNS
History: Stray dog with unknown previous history. Spayed April 2022. Vaginal bleeding noted starting sometime after spay. Frank blood - no sign of infection. Vaginal mass noted on exam
Abnormal PE/Chem/CBC/UA Results: cysto/UA - NAF

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 was noted. Ureteral papillae were normal.

The residual uterus extended to the apex of the urinary bladder. The width of the uterine stump measured approximately 0.6 cm. Clean separation from the dorsal aspect of the bladder cannot be ascertained. No luminal fluid was noted. However, the uterine stump did appear prominent. The regions of the ovarian fossa were unremarkable. No ovarian remnants were visible; however, this cannot be completely ruled out. The vaginal wall was thickened and hypertrophied. Mural hypertrophy of the vaginal wall measured 1.0-1.5 cm. This created a mass type effect; however, this is a very young patient for vaginal masses.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 5.83 cm. The left kidney measured 5.73 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 0.46 cm.

IMAGING PERFORMED BY

Dr. Gunther

HOSPITAL NAME

New Frontier Animal
Medical Center

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

REFERRING VET

Dr. Gunther

INVOICE

31220

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic

DATE

6/23/22



PATIENT

lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

April Christian

Gastrointestinal

SPECIES

A minor amount of non-shadowing, non-obstructive ingesta was noted in the **stomach**. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. 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.

Canine

BREED

Mix

SEX

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.

Spayed Female

AGE

1 year

ULTRASONOGRAPHIC FINDINGS

Elongated uterine stump, slightly thickened vaginal hypertrophy, possible underlying neoplasia.

WEIGHT

45 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasound-guided FNA of the uterine stump is warranted.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Gunther

HOSPITAL NAME

New Frontier Animal
Medical Center

REFERRING VET

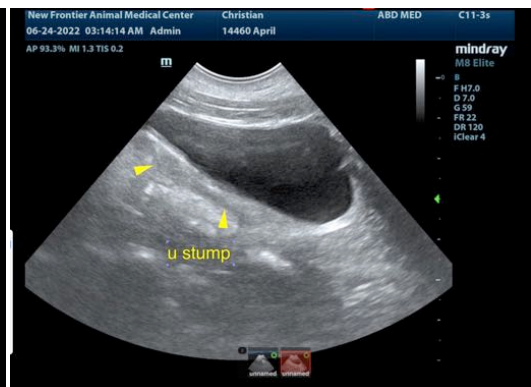
Dr. Gunther

INVOICE

31220

DATE

6/23/22





PATIENT

April Christian

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

1 year

WEIGHT

45 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Gunther

HOSPITAL NAME

New Frontier Animal
Medical Center

REFERRING VET

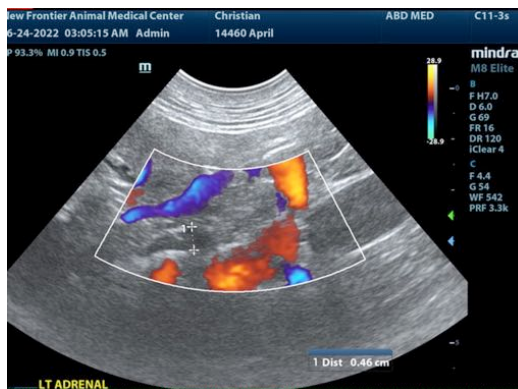
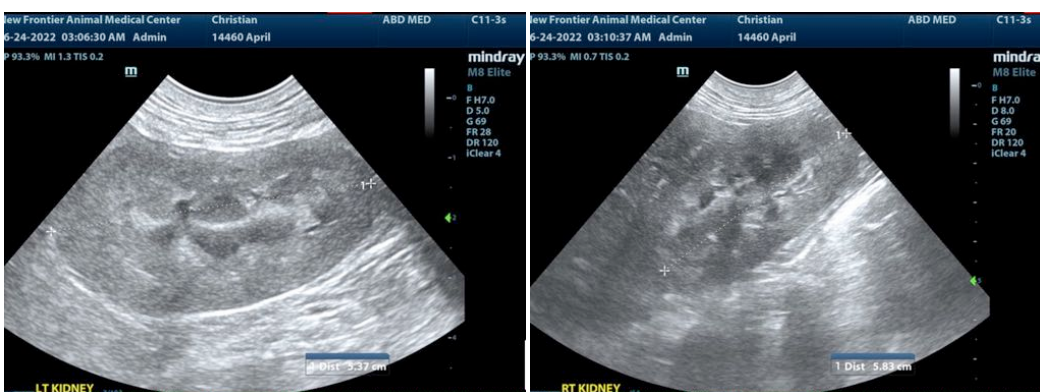
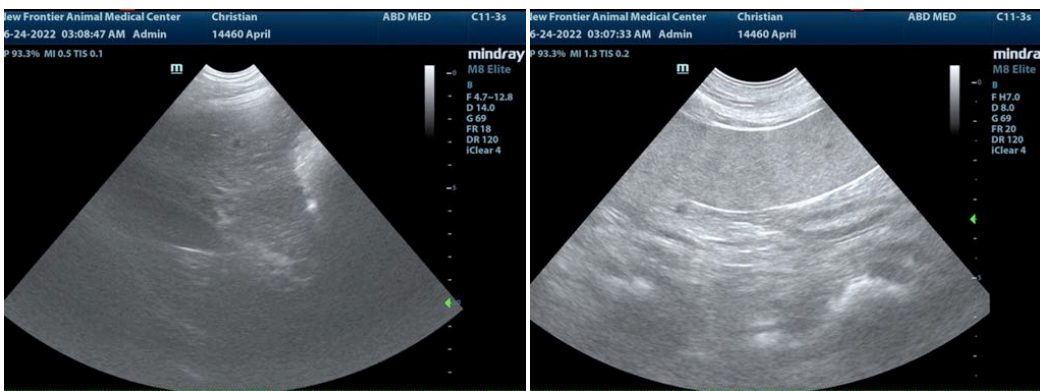
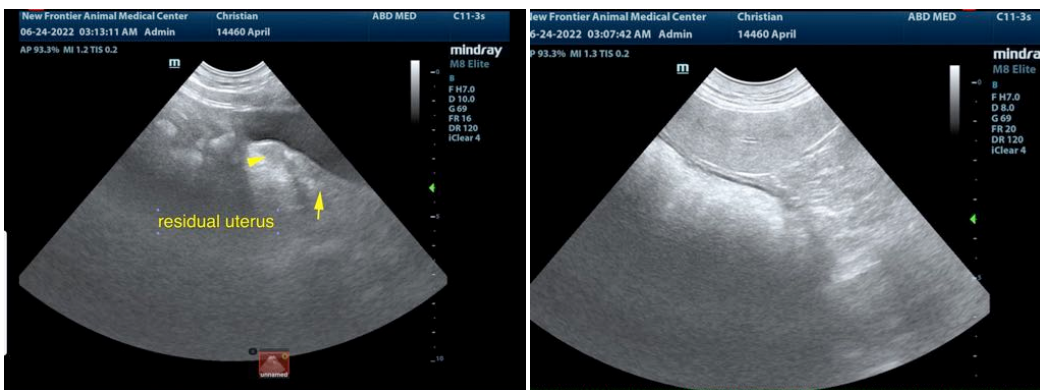
Dr. Gunther

INVOICE

31220

DATE

6/23/22





PATIENT

April Christian

SPECIES

Canine

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.

BREED

Mix

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.

SEX

Spayed Female

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

AGE

1 year

WEIGHT

45 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Gunther

HOSPITAL NAME

New Frontier Animal
Medical Center

REFERRING VET

Dr. Gunther

INVOICE

31220

DATE

6/23/22