



PATIENT

Gracie Koch

SPECIES

Canine

BREED

Malamute

SEX

Spayed Female

AGE

3 Years

WEIGHT

93 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Carter

HOSPITAL NAME

Willamette VH

REFERRING VET

Dr. Maggiulli

INVOICE

26269

DATE

10/14/21

PRESENTING CLINICAL SIGNS

Pyometra on 10-11. OHE surgery that day. Aspiration pneumonia, lethargy, not eating, oxygen dependent until last 24 hr. Weak, non-ambulatory, NG tube in place. No defecation since surgery
Abnormal PE/Chem/CBC/UA Results: albumin 2.1, ALT 407 ALP 380 BUN 5 t bili 2.0 Hct 24% wbc 67K neutrophils 53K

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 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 left kidney measured 7.36 cm. The right kidney measured 8.87 cm.

Adrenal Glands

The **left adrenal gland** was flattened and isoechoic, measuring 0.3 cm. The region of the **right adrenal gland** was unremarkable.

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 were noted.

Liver

The **liver** presented irregular, scalloping contour. Trace free fluid noted between the liver lobes. The gallbladder and common bile duct were unremarkable.

Gastrointestinal

The **stomach** itself was unremarkable. The intestinal tract appeared to be enveloped within adhesions. Pockets of free fluid were noted.

Pancreas

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.

Free Abdomen

Reactive mesentery noted in the caudal abdomen, where ovariohysterectomy would have been performed. Ill-defined tissue was noted, possible clots cranial to the urinary bladder and adhesions.



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ULTRASONOGRAPHIC FINDINGS

- Irregular liver
- Adhesions in the caudal abdomen with hematoma and undefined tissue

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Suspect complication to ovariohysterectomy. However, the liver presentation is concerning. Screening FNA of the liver recommended to ensure an occult neoplastic event is not present, followed by exploratory surgery. Plasma transfusion may be a solid option in this patient to help stabilize, as well as broad-spectrum antibiotics.

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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