



PATIENT

Bluto Griffin

SPECIES

Canine

BREED

Mixed

SEX

Neutered Male

AGE

10 Years

WEIGHT

52.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Lilliana Munoz, DVM

HOSPITAL NAME

Lone Mountain AH

REFERRING VET

Lilliana Munoz, DVM

INVOICE

12824

DATE

8/27/21

PRESENTING CLINICAL SIGNS

History: Seen about a week ago for lethargy, vomiting, and anorexia. On xrays, several splenic nodules were seen and p was sent with entyce. O reports that p started eating (only cat food) since but still seems uncomfortable and not as energetic. BW was sent yesterday and fasted US was performed today. O started giving gabapentin at home and p seems more comfortable.

Abnormal PE/Chem/CBC/UA Results: cbc - nsf chem - inc ALT = 183, inc ALP = 4,654, inc GGT = 45, inc Total Bilirubin = 1.1, Precision PSL dec = 17 Abdominal xray report: Radiographic Findings: Abdomen (2 views): The stomach contains a small amount of gas. The small intestine contains fluid opaque material and gas with no dilated segments identified. The spleen is irregularly marginated. The liver, kidneys, and urinary bladder are normal. Abdominal serosal detail is normal. Caudal thoracic and skeletal structures are normal. Radiographic Conclusions/Recommendations: 1. Suspected splenic nodules/masses. Differentials include hemangiosarcoma, hematoma, hemangioma, extramedullary hematopoiesis, or lymphoid hyperplasia. Abdominal ultrasound could be considered for further evaluation. 2. No evidence of mechanical obstruction of the gastrointestinal tract is identified.

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. Both kidneys measured 5.0 cm each.

Adrenal Glands

The **left adrenal gland** was 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 0.8 cm.

The **right adrenal gland** was not visualized.

Spleen

Micronodular changes noted throughout the **spleen** with expansive target lesions primarily at the cranial pole. The spleen presented a separate mixed slightly hypoechoic mass, measuring 4.3 cm without cavitation. Slight free fluid was noted adjacent to the spleen with enhanced surrounding mesentery.

Liver

The **liver** revealed micronodular changes with increased portal markings, swollen irregular contour and enhanced mesentery. Gallbladder debris was noted. Hepatic lymph nodes were also enlarged. A comet tail lung pattern was noted, suggestive for alveolar disease- chest radiographs recommended to assess for metastatic patterns.



PATIENT

Gastrointestinal

Bluto Griffin

Variable **gastrointestinal** thickening noted with some areas of loss of mural detail and luminal gastric fluid retention.

SPECIES

Pancreas

Canine

The **pancreas** revealed mixed hypoechoic parenchymal changes and irregular contour and likely secondary inflammation owing to the lymphoproliferative pattern.

BREED

Free Abdomen

Mixed

Enhanced mesentery noted throughout the **abdomen**.

SEX

ULTRASONOGRAPHIC FINDINGS

Neutered Male

- Lymphoproliferative pattern in the spleen and liver with multiple lymph nodes with distorted architecture
- Secondary pancreatitis
- Early gastrointestinal infiltrative pattern
- Enhanced mesentery noted throughout the abdomen

AGE

10 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

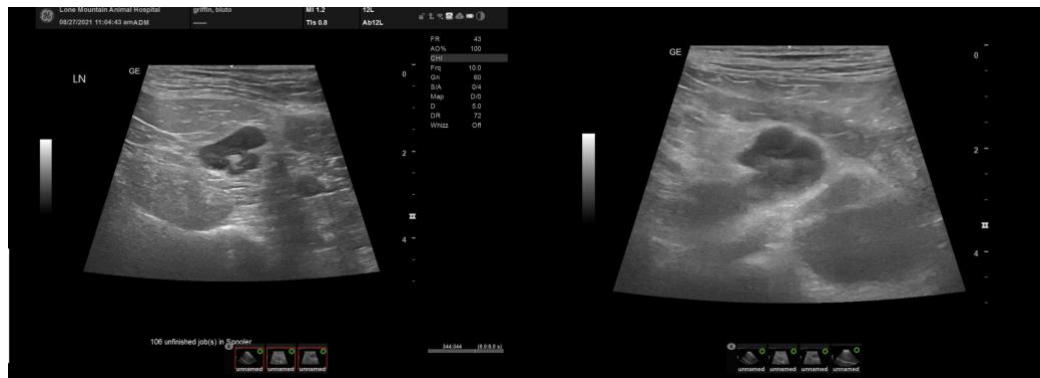
WEIGHT

52.5 Pounds

FNA of the spleen, lymph nodes and liver recommended with immediate chemotherapeutic intervention.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS



IMAGING PERFORMED BY

Lilliana Munoz, DVM

HOSPITAL NAME

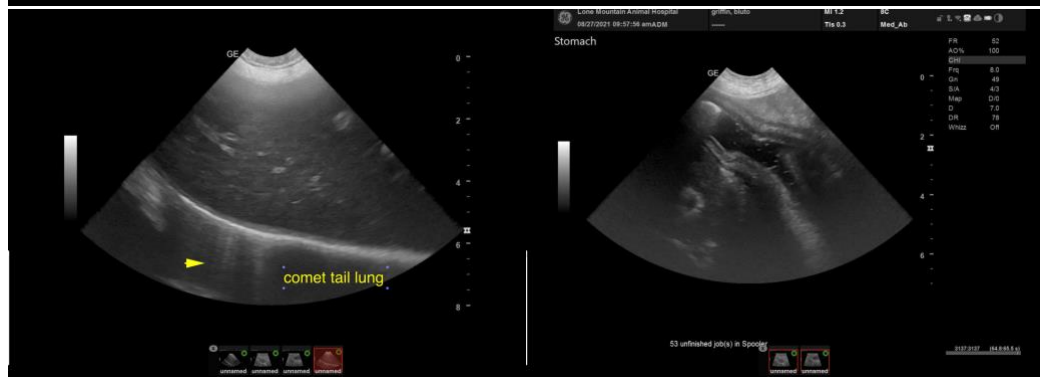
Lone Mountain AH

REFERRING VET

Lilliana Munoz, DVM

INVOICE

12824



DATE

8/27/21



PATIENT

Bluto Griffin

SPECIES

Canine

BREED

Mixed

SEX

Neutered Male

AGE

10 Years

WEIGHT

52.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Lilliana Munoz, DVM

HOSPITAL NAME

Lone Mountain AH

REFERRING VET

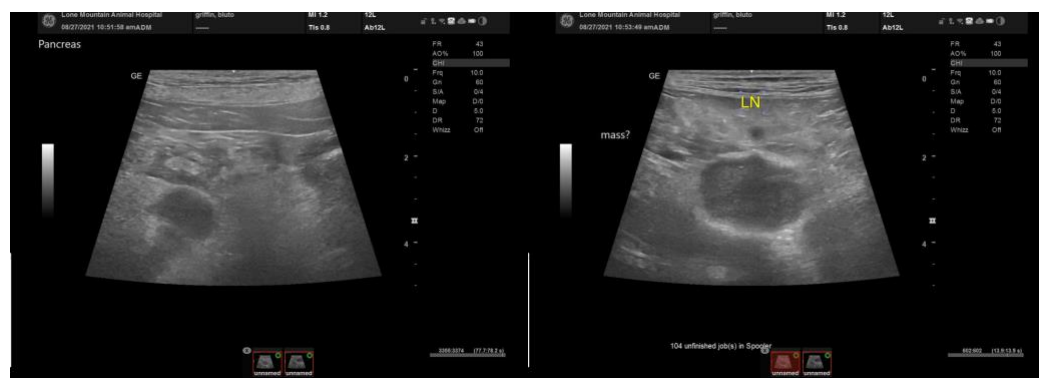
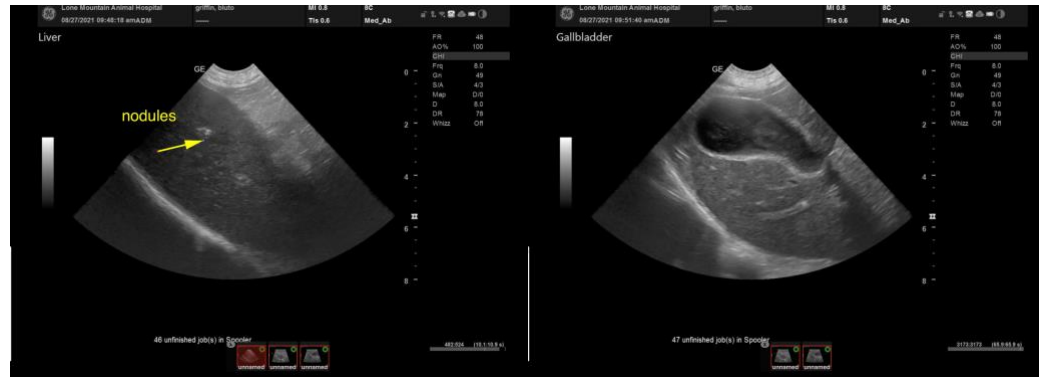
Lilliana Munoz, DVM

INVOICE

12824

DATE

8/27/21





PATIENT

Bluto Griffin

SPECIES

Canine

BREED

Mixed

SEX

Neutered Male

AGE

10 Years

WEIGHT

52.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Lilliana Munoz, DVM

HOSPITAL NAME

Lone Mountain AH

REFERRING VET

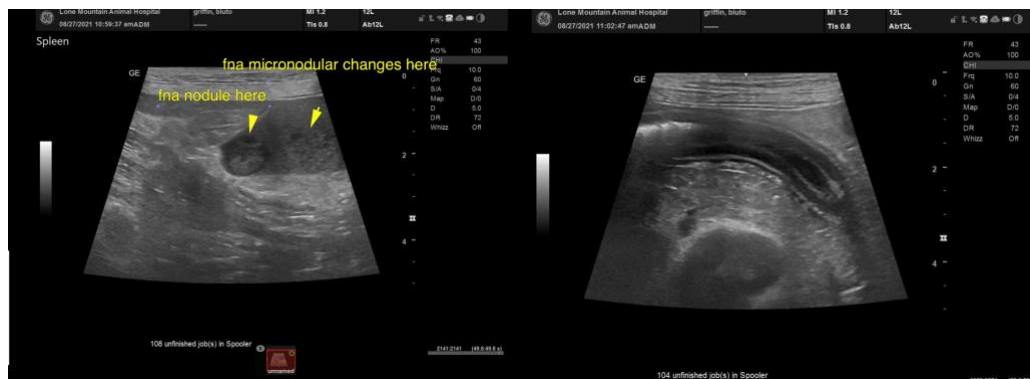
Lilliana Munoz, DVM

INVOICE

12824

DATE

8/27/21



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