

PATIENT PRESENTING CLINICAL SIGNS

Annie Blakely The patient presented with a history of elevated liver values. Prior history of an ill-defined right sided hepatic mass and gallbladder sludge.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Urinary System

Miniature Goldendoodle

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

SEX

Female, spayed

The left kidney is normal size (4.06 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

AGE

4/7/2010

The right kidney is normal size (4.74 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

16.2 lbs.

Adrenal Glands

INTERPRETED BY

The left adrenal gland is normal size (0.49 cm at cranial pole) (0.49 cm at caudal pole) (1.84 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

The right adrenal gland is normal size (0.80 cm at cranial pole) (0.41 cm at caudal pole) (1.77 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING PERFORMED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

Spleen

The spleen is normal in size (1.39 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

HOSPITAL NAME

Sun Dog Cat Moon VC

Liver

The liver is subjectively normal to prominent in size with slightly swollen peripheral contours. The parenchyma is isoechoic relative to the spleen and somewhat heterogeneous in appearance. An approximately 5 cm irregular slightly ill-defined hyperechoic to heterogeneous mass effect is observed deep mid to right liver, adjacent to the diaphragm. Vascular and biliary tracts are of normal volume with no evidence of congestion. The portal vein: caudal vena cava ratio is approximately 1:1. The gall bladder lumen is distended. The wall is normal in thickness. A moderate amount of aggregated echogenic suspended sludge in a partially stellate pattern is observed within the lumen. The cystic and common bile ducts are normal/not seen.

REFERRING VET

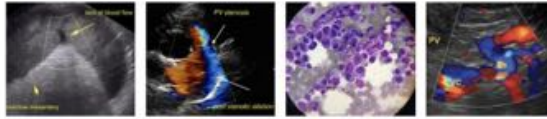
Dr. Abby Clayton

INVOICE

12931

DATE

2/1/22



PATIENT

Annie Blakely

SPECIES

Canine

BREED

Miniature
Goldendoodle

SEX

Female, spayed

AGE

4/7/2010

WEIGHT

16.2 lbs.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(*Small Animal Internal
Medicine*)

**IMAGING
PERFORMED BY**

Andrea Nicastro, DVM,
Diplomate ACVIM
(*Small Animal Internal
Medicine*)

HOSPITAL NAME

Sun Dog Cat Moon VC

REFERRING VET

Dr. Abby Clayton

INVOICE

12931

DATE

2/1/22

Gastrointestinal

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

ULTRASONOGRAPHIC FINDINGS

- The gallbladder changes are suggestive of a developing mucocele.
- Deep mid to right hepatic mass effect. Differentials include regenerative nodular hyperplasia vs neoplasia (i.e., adenoma, adenocarcinoma). The lesion is slightly larger compared to the previous sonogram.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Continuation of Ursodiol therapy and hepatic antioxidants is recommended.
- Consider fine needle aspiration of the hepatic mass effect. However, it should be noted that cytologic evaluation of primary hepatic tumors is often inconclusive. If an aggressive approach is desired, consider surgical liver biopsies +/- mass removal. Clotting times should be assessed prior to any hepatic tissue sampling.
- If a conservative approach is desired, consider serial sonographic monitoring (i.e., every 3 months) to assess for progression.
- Given the patient's age, and the presence of the hepatic mass, three-view thoracic radiographs are recommended to assess for pulmonary metastatic disease and overall cardiopulmonary status.



PATIENT

Annie Blakely

SPECIES

Canine

BREED

Miniature Goldendoodle

SEX

Female, spayed

AGE

4/7/2010

WEIGHT

16.2 lbs.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

HOSPITAL NAME

Sun Dog Cat Moon VC

REFERRING VET

Dr. Abby Clayton

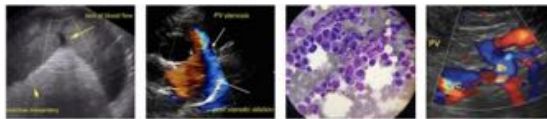
INVOICE

12931

DATE

2/1/22





PATIENT

Annie Blakely

SPECIES

Canine

BREED

Miniature
Goldendoodle

SEX

Female, spayed

AGE

4/7/2010

WEIGHT

16.2 lbs.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(*Small Animal Internal
Medicine*)

**IMAGING
PERFORMED BY**

Andrea Nicastro, DVM,
Diplomate ACVIM
(*Small Animal Internal
Medicine*)

HOSPITAL NAME

Sun Dog Cat Moon VC

REFERRING VET

Dr. Abby Clayton

INVOICE

12931

DATE

2/1/22



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.

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

Andrea.Nicastro@CharlestonMobile.net