



PATIENT PRESENTING CLINICAL SIGNS

Lola Lind on and off app, seems to roll around like she can't get comfortable, licking vulva area a lot, clingy to owner recently hx of suspected IVDD that responded to pred
 Abnormal PE/Chem/CBC/UA Results: PE WNL UPC 1.2, USG 1.051 CBC/Chem in July WNL
 Repeat chem pending

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Shih Tzu

Urinary bladder is moderately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

SEX

Spayed Female

Right kidney is normal in size (3.5 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

AGE

11 Years

Left kidney is normal in size (3.0 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

WEIGHT

9 Pounds

Adrenal Glands

Right adrenal gland is normal in size (1.5 cm long, 0.74 cm at cranial pole and 0.48 cm at caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

Left adrenal gland is normal in size (1.3 cm long, 0.44 cm at cranial pole and 0.50 cm at caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

Spleen

The spleen is normal in size with normal margins and intact capsule. Parenchyma is homogeneously coarse/mottled in echotexture (characterized by small hypoechoic nodules) with normal echogenicity. No masses are observed. Splenic vasculature appears normal.

HOSPITAL NAME

Ho-Ho-Kus VH

Liver

Liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.

REFERRING VET

Dr. Scott

Gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.

Gastrointestinal

INVOICE NUMBER

33417

The stomach wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm) and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

DATE

12/14/21



PATIENT Most of the visible small intestines are normal in wall thickness and layering (canine duodenum < 0.5 cm and feline duodenum < 0.4 cm; other < 0.3 cm). However, the duodenum just medial to the right kidney is thick, measuring 0.54 cm with one area measuring closer to 0.9 cm. Normal layering is intact. Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.

Lola Lind

SPECIES The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

Canine

BREED *Pancreas*
Pancreatic parenchyma is appropriately isoechoic to surrounding tissue. Visible capsule is smooth and normal in contour. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

Shih Tzu

SEX *Free Abdomen*
There is no evidence of peritoneal effusion. There is no apparent lymphadenopathy.

Spayed Female

ULTRASONOGRAPHIC FINDINGS

- Coarse spleen – Can be associated with both benign conditions such as extramedullary hematopoiesis or lymphoid hyperplasia (most likely in this case) versus infiltrative neoplastic disease such as round cell neoplasia, which cannot be ruled out but is considered less likely.
- Mild focal duodenal thickening – Rule outs include benign inflammatory changes secondary to possible ulcer/enteritis, etc. versus more significant infiltrative disease such as early emerging neoplasia .

AGE

11 Years

WEIGHT

9 Pounds

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given the reported vulva licking and increased UPC, recommendations include a urine culture to rule out an occult urinary tract infection. Other recommendations include a trial course of pain management with potentially Gabapentin or Tramadol given the history of IVDD and the reported clingy nature to see if that helps resolve the clinical signs as a pain management trial.

Finally, recommendations for the small bowel changes include antacid protocol with an antacid such as Omeprazole +/- Sucralfate, an empirical course of antiemetics to see if that helps the appetite, followed by a recheck ultrasound of that area to assess for improvement/progression. In the meantime, other diagnostic recommendations include a gastrointestinal malabsorption panel including TLI, PLI, folate and cobalamin to Texas A&M GI laboratory for further evaluation for possible pancreatitis. Although not visible on ultrasound, it cannot be ruled out.

INTERPRETED BY

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DACVIM

HOSPITAL NAME

Ho-Ho-Kus VH

REFERRING VET

Dr. Scott

Fine needle aspirate of the spleen is also recommended if patient's coagulation status is appropriate.

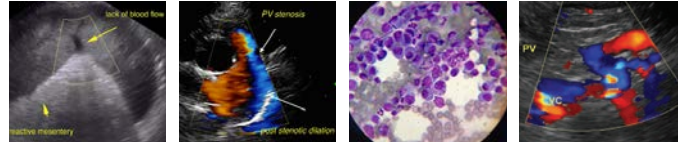
Thoracic radiographs to assess patient's cardiopulmonary status are also recommended.

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PATIENT

Lola Lind

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed Female

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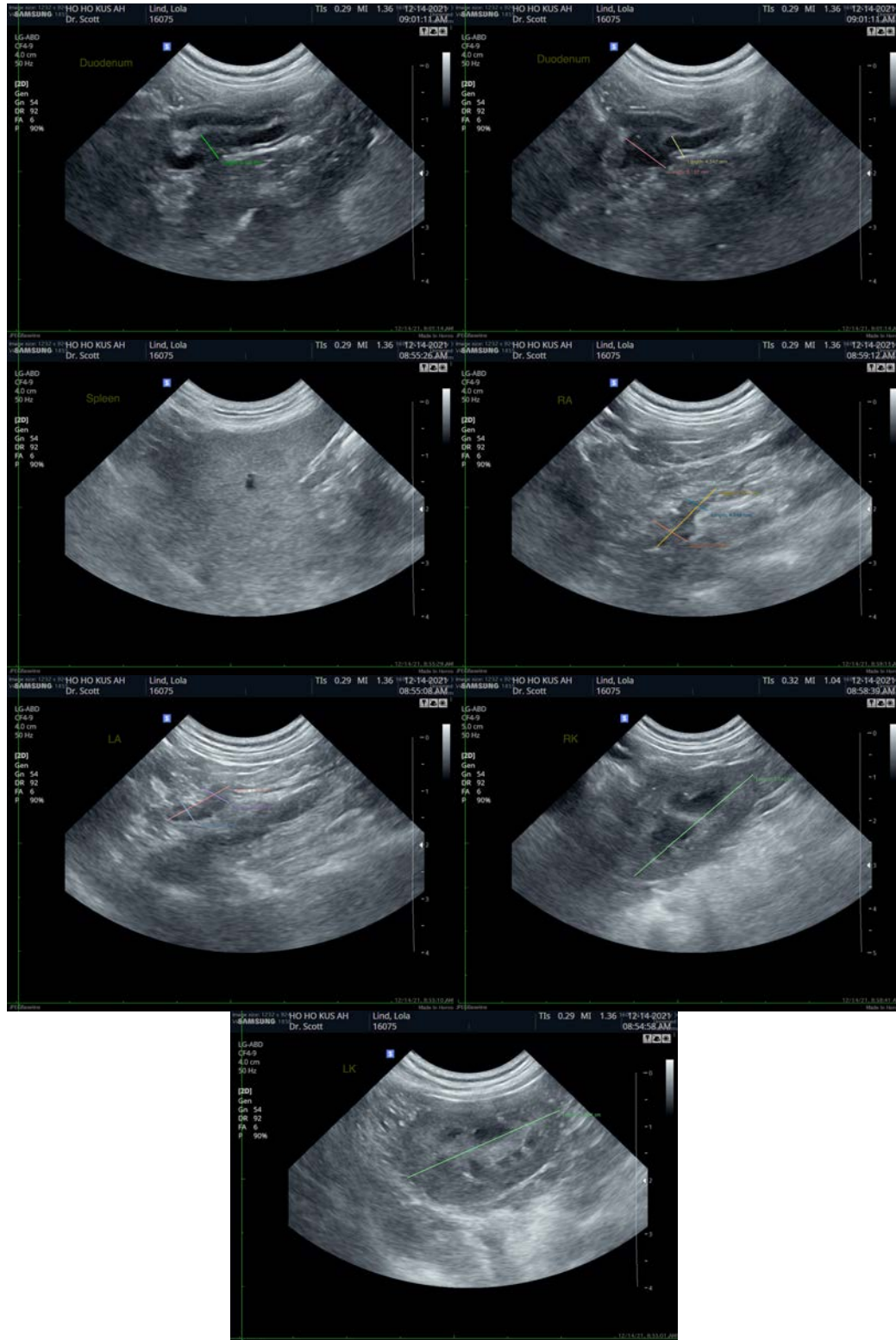
Dr. Scott

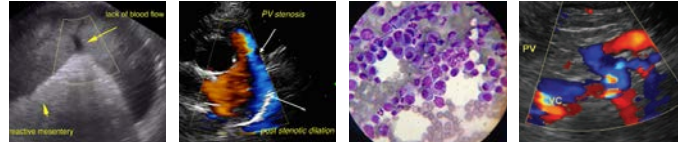
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PATIENT

Lola Lind

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.

SPECIES

Canine

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.

BREED

Shih Tzu

Beth Johnson, DVM, DACVIM
Beth.Johnson@sonopath.com

SEX

Spayed Female

AGE

11 Years

WEIGHT

9 Pounds

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