

PATIENT PRESENTING CLINICAL SIGNS

Bella Schwary History: Integument: Resolving RH dermatitis Gastrointestinal: Mild abdominal distention
Assessment NSAID panel in house - ALP 1700, AST 59, ALT 106
Abnormal PE/Chem/CBC/UA Results: Cortisol Sample 1 -6.3 H 1.0 - 5.0 Cortisol Sample 2 -8.0 - 17.0

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine *Urinary System*

BREED 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 The left kidney is normal in size (4.86 cm in length) with a normal shape, smooth peripheral margins and normal internal architecture. There is mild loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. A few tiny non-obstructive nephroliths are visualized. There is no evidence of pyelectasia or hydroureter.

AGE The right kidney is normal size (5.03 cm in length) with a normal shape, smooth peripheral margins and normal internal architecture. There is mild loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. A few tiny non-obstructive nephroliths are visualized. There is no evidence of pyelectasia or hydroureter.

WEIGHT *Adrenal Glands*

20 Pounds The left adrenal gland is upper limits of normal size (0.43 cm at cranial pole) (0.60 cm at caudal pole) (1.60 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.

INTERPRETED BY

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

The right adrenal gland is normal size (0.53 cm at cranial pole) (0.48 cm at caudal pole) (2.10 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

Loetitia Saint-Jacques, RVT

Spleen

HOSPITAL NAME

Donner Truckee VH

The spleen is normal in size (1.74 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. 1-2 small irregular hypoechoic nodules are observed, the largest measuring 0.89 cm in diameter. Splenic vasculature is normal.

Liver

REFERRING VET

Dr. Vannini

The liver is subjectively prominent in size with swollen curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen and exhibits mild heterogeneity. No distinct focal lesions are observed. Hepatic vasculature and biliary tracts are of normal volume with no evidence of congestion. The gall bladder lumen is moderately distended. The wall is thin and smooth. A small amount of mostly gravity-dependent echogenic debris is observed within the lumen. The cystic and common bile ducts are normal/not seen.

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Gastrointestinal

DATE

2/28/22

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



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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.

SPECIES

Canine

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.

BREED

Jack Russell mix

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. A 0.70 cm gastric lymph node is visible.

SEX

Female, spayed

Other

A uterine stump is visible (0.62 cm in width). No obvious pathology is seen.

AGE

9 Years

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Suspected benign hepatopathy. Top differentials include regenerative nodular hyperplasia and vacuolar hepatopathy. Given the sonographic changes and enzyme pattern, inflammatory disease and infiltrative neoplasia are considered less likely.
- The splenic nodules could be consistent with a benign process (i.e., foci of lymphoid hyperplasia or extramedullary hematopoiesis). Alternatively, emerging neoplasia is possible.

Secondary Findings:

- Bilateral non-specific age-related renal changes with dystrophic mineralization and non-obstructive nephrolithiasis.
- Visible uterine stump- incidental.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Consider fine needle aspirates of the splenic nodules if clotting status is appropriate.
- Serial monitoring (i.e., every 3-4 months) of the patient's liver values is recommended. If values continue to increase, a repeat abdominal ultrasound +/- hepatic tissue sampling may be warranted.
- If clinical signs of Cushing's disease develop in the future, consider repeat testing (i.e. low dose Dexamethasone suppression test or ACTH stimulation test).

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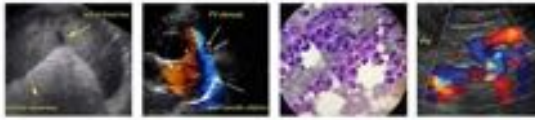
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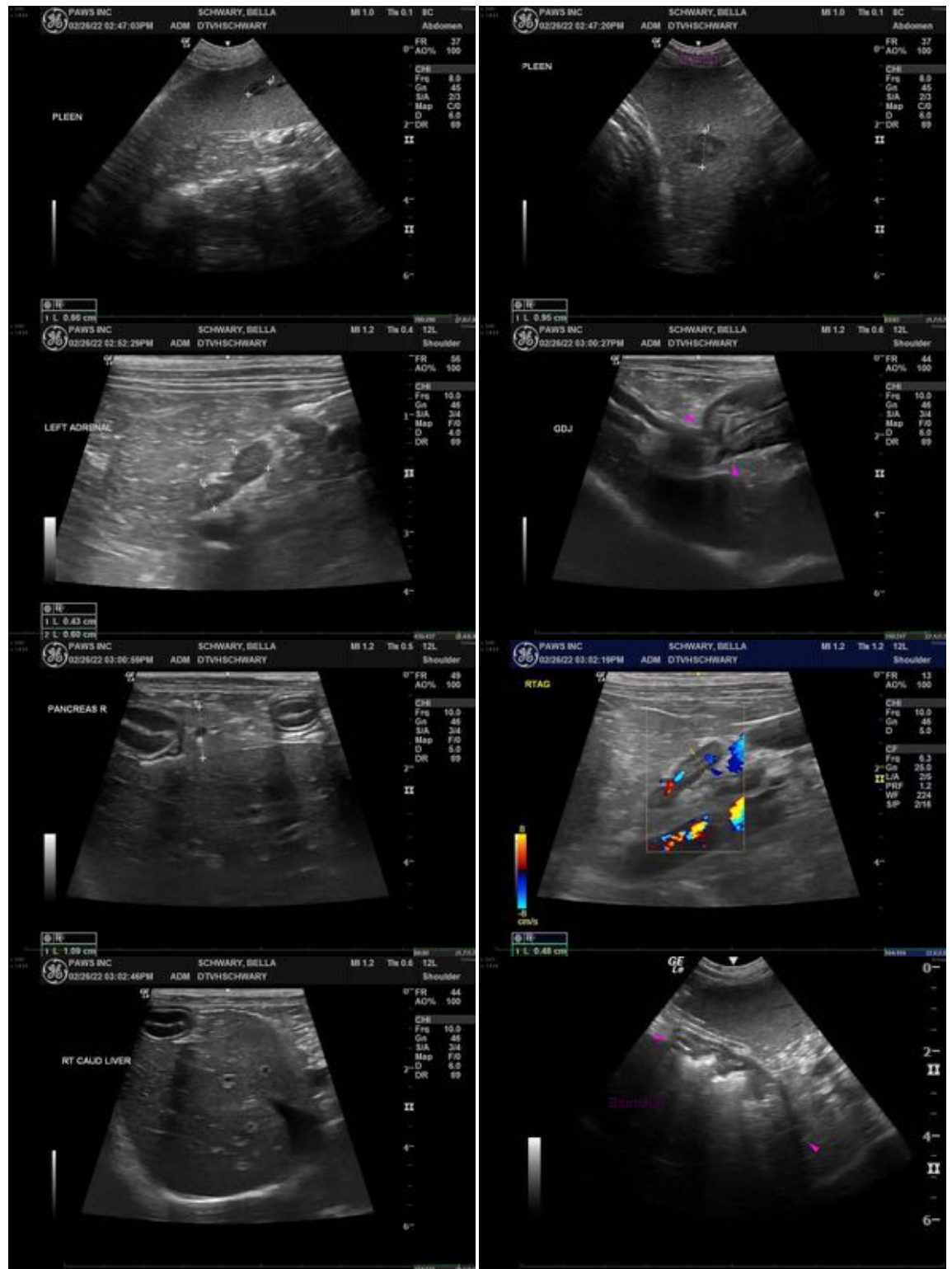
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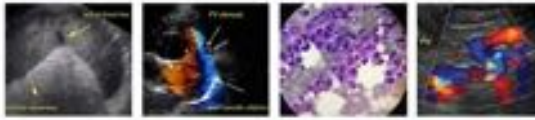
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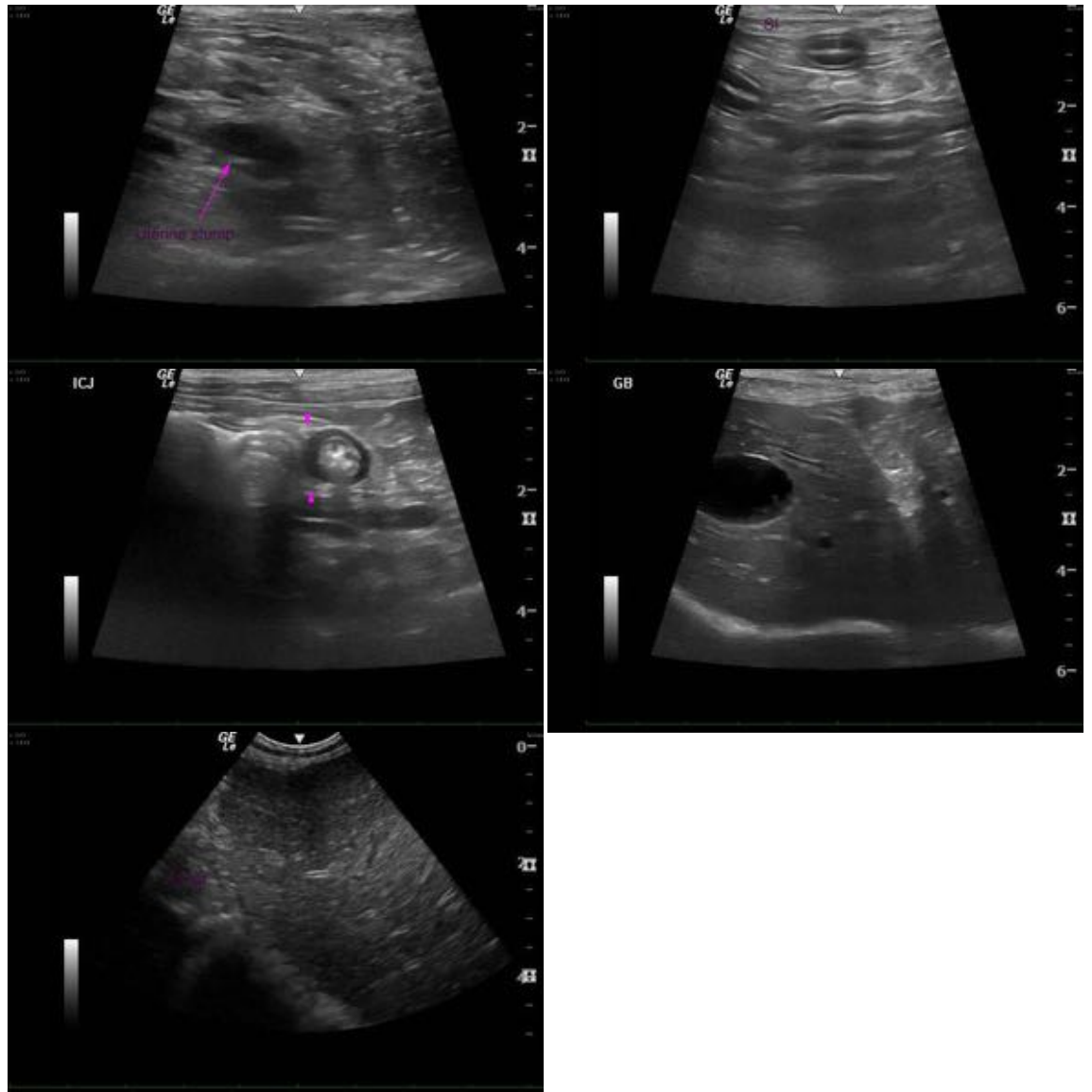
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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