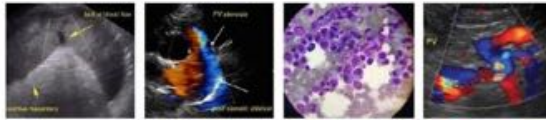




| PATIENT | PRESENTING CLINICAL SIGNS |
|---|--|
| Cheema Maragno | History: Very thin, losing weight quickly, not eating, some vomiting and excessive drinking. |
| SPECIES | Abnormal PE/Chem/CBC/UA Results: Glucose 6.08 (3.95-8.84) Calcium high 3 (1.95-2.83) T4 low normal, Urine cloudy, USG - 1.020 pH 6.5 glucose negative. Rads showed very poor definition of abdominal organs and normal chest. fPL pending. |
| Feline | |
| BREED | ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN |
| Siamese | Urinary System 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 1-2 cm, are normal. |
| SEX | |
| Spayed Female | The left kidney is borderline small in size (3.11 cm in length) with a slightly irregular shape. There is mild to moderate loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. There is no evidence of pyelectasia, infarcts or hydronephrosis. Renal vasculature is normal. |
| AGE | |
| 12 years | The right kidney is normal in size (3.10 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal. |
| WEIGHT | |
| 2.8 kg | Adrenal Glands The left adrenal gland is normal in size (0.46 cm width). Normal shape and glandular echogenicity. 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 (0.41 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal. |
| IMAGING PERFORMED BY | Spleen The spleen is normal in size (0.53 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. |
| Crystal Hill | Liver The liver is enlarged with irregular peripheral contours. At least two irregular hypoechoic-to-heterogenous masses are observed (both measuring approximately 4.00 to 4.50 cm in diameter). One mass is adjacent to the diaphragm. The second mass appears to be arising from the caudate process and extends into the region of the right limb of the pancreas. Surrounding mesentery is hyperechoic. |
| HOSPITAL NAME | The gall bladder lumen is not definitively identified due to the significant hepatic pathology. |
| Beatties PH Stoney Creek | 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. There is no evidence of an obstructive pattern. |
| REFERRING VET | |
| Baskin | Pancreas A portion of the pancreas is obscured by the hepatic pathology. In the visualized portions the pancreas |
| INVOICE | |
| 12168 | |
| DATE | |
| 2.8.23 | |



PATIENT

is hypoechoic relative to surrounding omental fat. No focal lesions are observed. The pancreatic duct is not overtly dilated. (See also "Liver").

Cheema Maragno

SPECIES

Free Abdomen

The mesentery throughout the abdomen is hyperechoic. A moderate amount of highly echogenic free fluid is present. Several prominent to enlarged mid- to caudal abdominal lymph nodes are visualized (the largest measuring 1.50 cm in length).

Feline

ULTRASONOGRAPHIC FINDINGS

BREED

Primary Findings

Siamese

- Hepatic masses with extension, +/- invasion into the right limb of the pancreas. Neoplasia (i.e., adenocarcinoma, round cell tumor) is suspected, with a lower possibility of a multifocal inflammatory process.
- Diffuse peritonitis is present, likely secondary to hep pathology.

SEX

Spayed Female

Secondary Findings

AGE

12 years

- Bilateral degenerative renal changes with dystrophic mineralization
- The lymphadenopathy may be secondary to reactive change or infiltrative neoplasia.

WEIGHT

2.8 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Three-view thoracic radiographs are recommended to assess for pulmonary metastases.
- Consider cytologic evaluation of the hepatic masses and the free abdominal fluid, if clotting status is appropriate. Twenty-five gauge-needles should be used for sampling. If the cytology results are inconclusive, biopsy of the liver masses may be necessary to get a definitive diagnosis. An abdominal CT scan would be useful in better characterizing the hepatic lesions. However, given the severity of the hepatic changes, palliative care should be considered in lieu of aggressive diagnostics.

INTERPRETED BY

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

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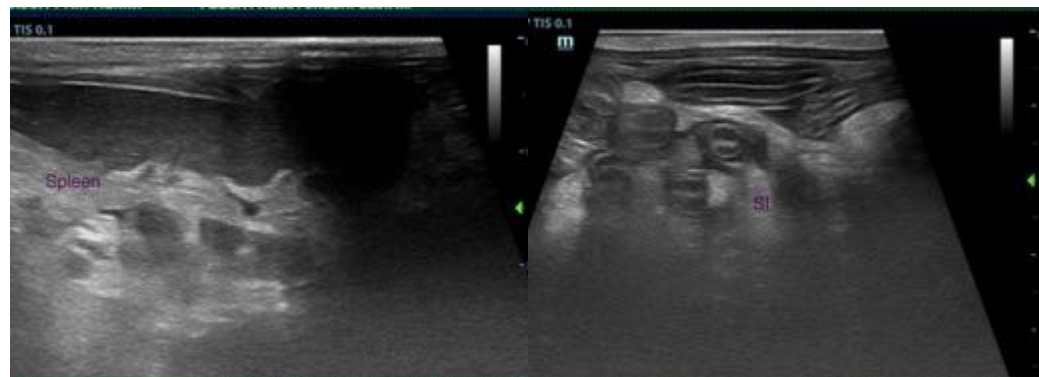
Crystal Hill

HOSPITAL NAME

Beatties PH Stoney
Creek

REFERRING VET

Baskin

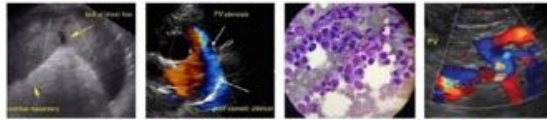


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PATIENT

Cheema Maragno

SPECIES

Feline

BREED

Siamese

SEX

Spayed Female

AGE

12 years

WEIGHT

2.8 kg

INTERPRETED BY

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Crystal Hill

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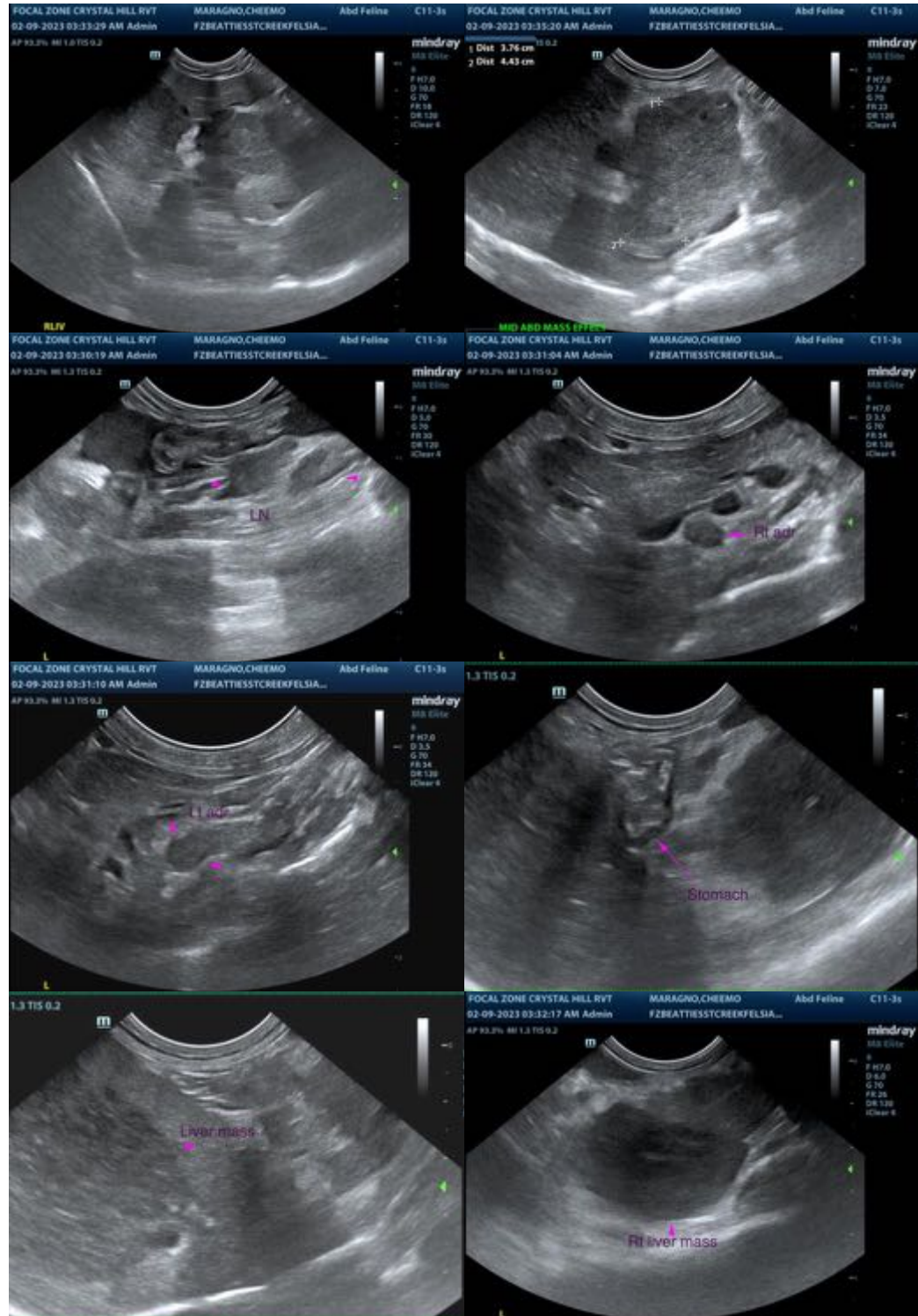
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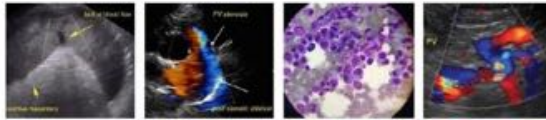
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



PATIENT

Cheema Maragno

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 DACVIM (Small Animal Internal Medicine)
info@SonoPath.com

SPECIES

Feline

BREED

Siamese

SEX

Spayed Female

AGE

12 years

WEIGHT

2.8 kg

INTERPRETED BY

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