



**PATIENT**

Julian Burris

**SPECIES**

Canine

**BREED**

Chihuahua Mix

**SEX**

Spayed Female

**AGE**

16 Years

**WEIGHT**

20

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Ukachi Ugorji, DVM

**HOSPITAL NAME**

Craig Road AH

**REFERRING VET**

Ukachi Ugorji, DVM

**INVOICE**

22024

**DATE**

4/16/23

**PRESENTING CLINICAL SIGNS**

History of mast cell tumor. 10 x 20 cm mass on the medial aspect of the left pelvic limb- ulcerated/red, firm, non-moveable, painful. Screening for metastasis prior to hindlimb amputation.

**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. The right kidney measured 6.0 cm. The left kidney measured 6.0 cm.

**Adrenal Glands**

Both **adrenal glands** were 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 0.6 cm. The right adrenal gland measured 0.5 cm.

**Spleen**

A mixed echogenic (4.0 cm) mass was noted, appeared to be deriving from the cranial pole of the **spleen**. Cranial folding of the spleen was noted. Hyperechoic nodules were noted within the splenic mass. A separate hyperechoic splenic nodule measured 2.0 cm in the mid caudal body. Similar nodules were noted in the liver.

**Liver**

The **liver** was mildly enlarged with heterogenous hyperechoic nodular changes noted. Ultrasound guided FNA is indicated. The gallbladder and common bile were unremarkable.

**Gastrointestinal**

There was some residual chyme and gas was noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

**Pancreas**

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related



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changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

## Free Abdomen

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Canine

A sublumbar **lymph node** was mildly enlarged (up to 1.5 cm x 0.8 cm). The lymph node presented normal length to width ratio with slight, swollen contour. There was no loss of parenchymal detail. This is most consistent with reactive lymphadenitis or lymphatic hyperplasia.

## BREED

Chihuahua Mix

## ULTRASONOGRAPHIC FINDINGS

## SEX

Spayed Female

- Splenic mass
- Hyperechoic nodular changes in the liver
- Slight sublumbar lymphadenopathy
- Partially full stomach
- Age-related pancreatic changes

## AGE

16 Years

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Benadryl injection, followed by coagulation panel and 25-gauge FNA of the two splenic lesions and liver nodules recommended for screening purposes, as well as echocardiogram with assessment of the right auricle and pericardium. These would not be typical mast cell type manifestations, however, could not be completely ruled out. Splenic mass differentials include hemangiosarcoma, round cell neoplasia and benign granulomatous change. Liver differentials include lipogranulomas, nodular hyperplasia and metastatic disease.

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## REFERRING VET

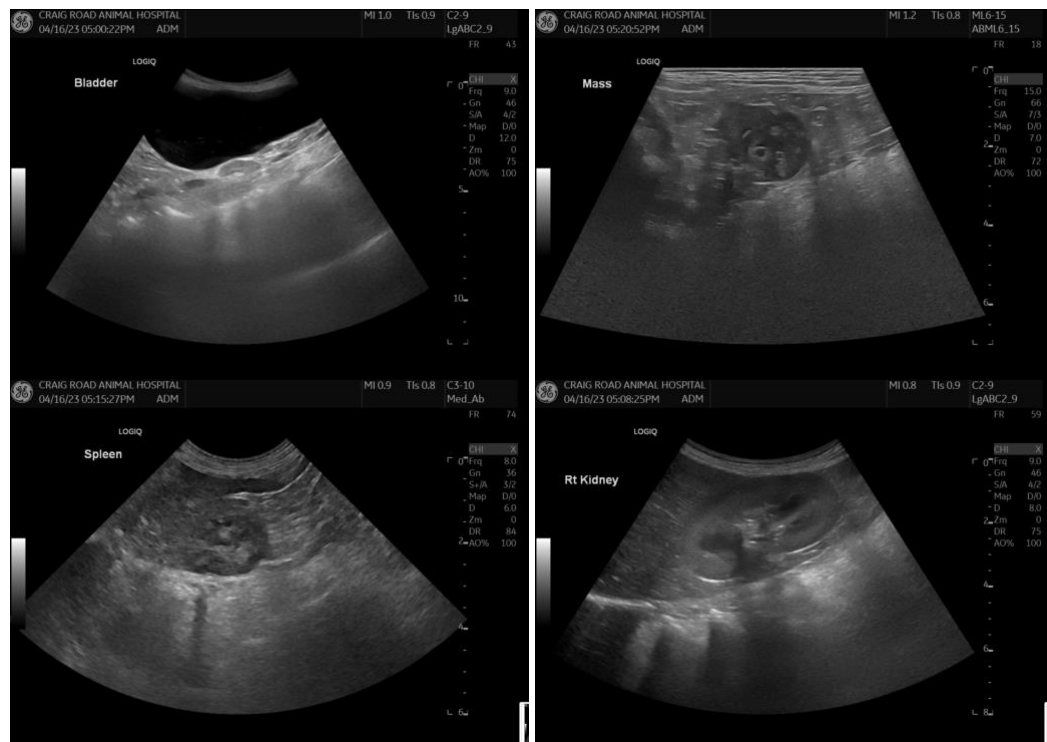
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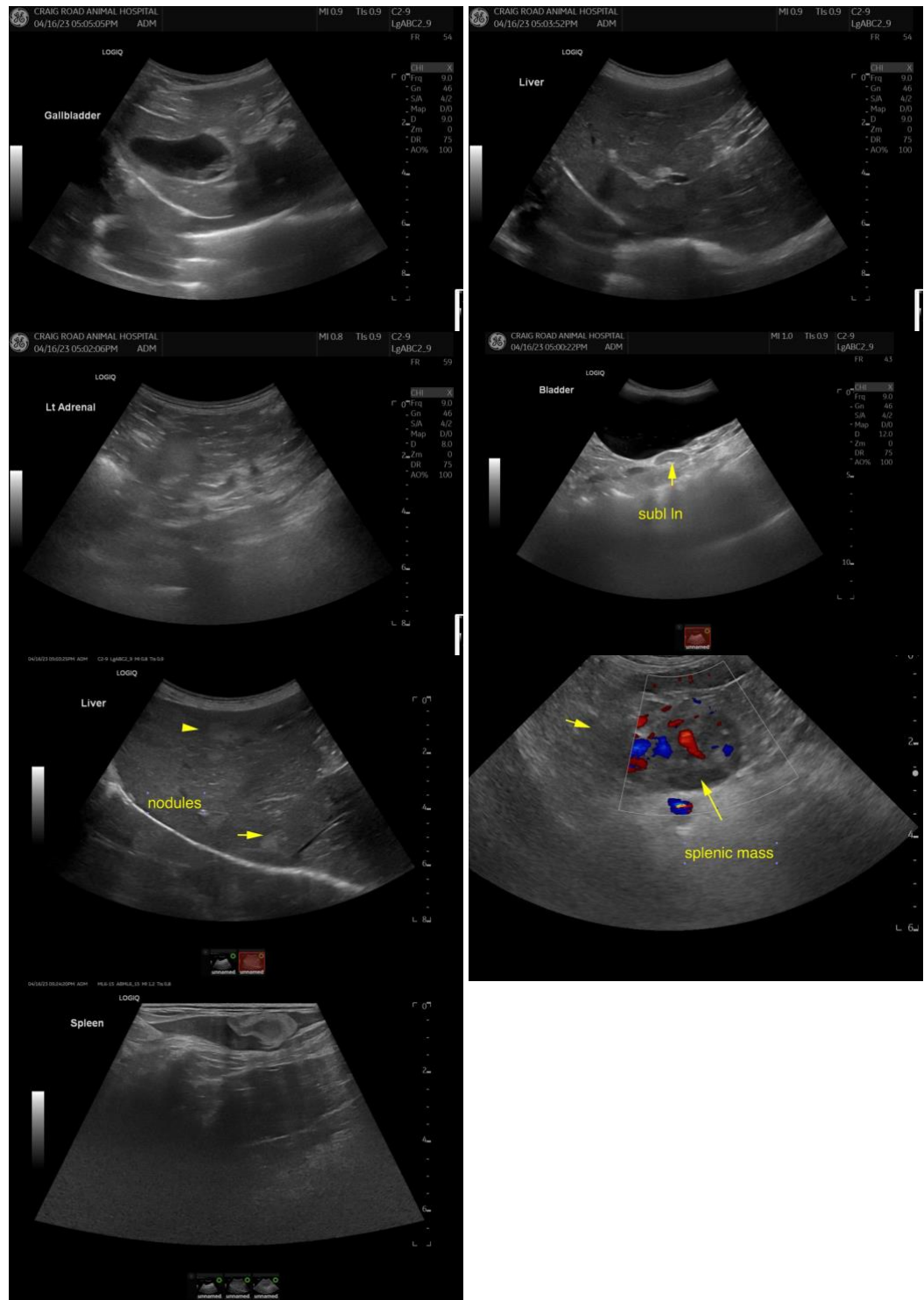
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



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can be of any further assistance please contact me.

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