



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Ida Rose Bates	History: Presented due to RTL lameness. Radiographs showed medullary and cortical lytic lesions in the distal humeral diaphysis. Metastatic neoplasia suspected due to location. Thoracic radiographs were WNL
<b>SPECIES</b>	
Canine	Abnormal PE/Chem/CBC/UA Results: RTL lameness with pain on palpation of the mid humeral diaphysis. No significant abnormalities on CBC, chem, T4.
<b>BREED</b>	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
Mixed Breed	<b>Urinary System</b>
<b>SEX</b>	The <b>urinary bladder</b> , 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.
Spayed Female	
<b>AGE</b>	The <b>kidneys</b> revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. Both kidneys measured 6.0 cm each.
9 Years 5 Months	
<b>WEIGHT</b>	<b>Adrenal Glands</b>
76.5	The <b>left adrenal gland</b> was 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.
<b>INTERPRETED BY</b>	The region of the <b>right adrenal gland</b> was imaged and revealed no evident pathology.
Eric Lindquist, DMV DABVP, Cert. IVUSS	<b>Spleen</b>
<b>IMAGING PERFORMED BY</b>	The <b>spleen</b> was riddled with multiple coalescing target nodules creating a mass effect, measuring approximately 7+ cm. A separate mass was noted in the cranial body of the spleen. Enhanced surrounding mesentery was noted.
Sarah Green	<b>Liver</b>
<b>HOSPITAL NAME</b>	The <b>liver</b> revealed heterogenous parenchymal changes with mild disrupted architecture. The gallbladder and common bile duct were unremarkable.
Healing Spirit Animal Wellness	<b>Gastrointestinal</b>
<b>REFERRING VET</b>	Examination of the <b>gastrointestinal tract</b> revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. 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.
Sarah Green	<b>Pancreas</b>
<b>INVOICE</b>	
20488	
<b>DATE</b>	
1/8/23	



**PATIENT**

Ida Rose Bates

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**SPECIES**

Canine

**Free Abdomen**

Slight areas of **free fluid** were noted, adjacent to the splenic pathology.

**BREED**

Mixed Breed

**ULTRASONOGRAPHIC FINDINGS**

- Multiple splenic nodules/masses with enhanced surrounding mesentery and regional free fluid
- Small heterogenous hepatic changes
- Age-related renal changes

**SEX**

Spayed Female

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Splenic and hepatic FNA is indicated for screening purposes yet metastatic disease to the spleen is likely. Intercostal approach to the liver is likely necessary. Prognosis is very guarded. This is likely sarcoma with possible hepatic involvement.

**AGE**

9 Years 5 Months

**WEIGHT**

76.5

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

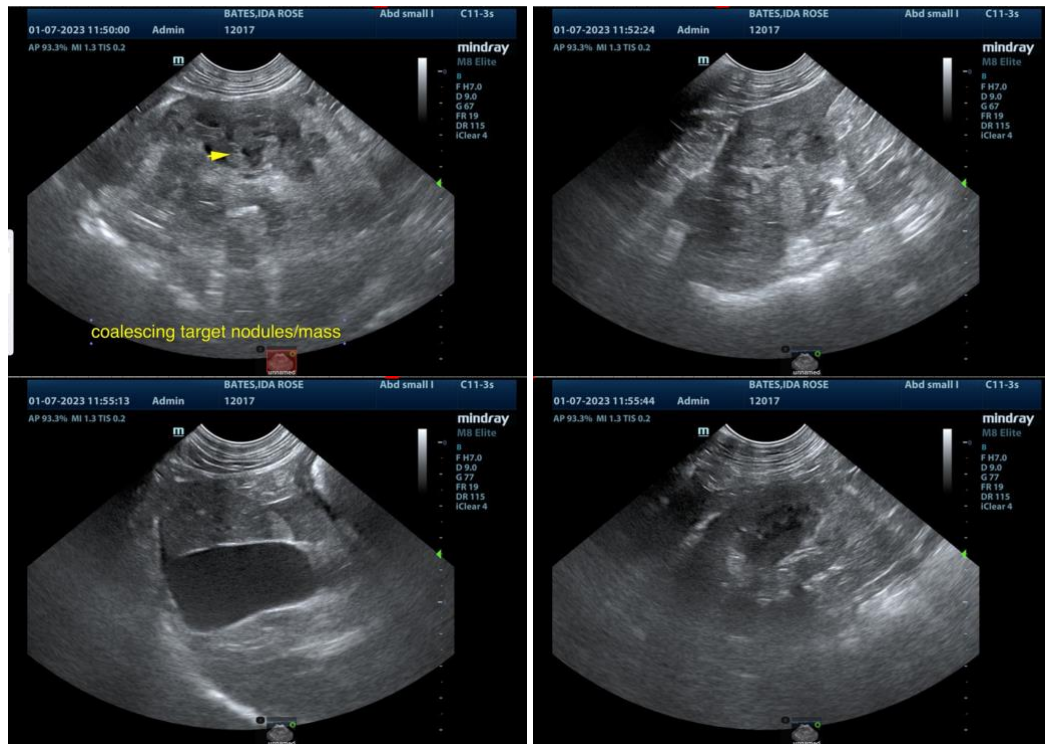
Sarah Green

**HOSPITAL NAME**

Healing Spirit Animal  
Wellness

**REFERRING VET**

Sarah Green



**INVOICE**

20488

**DATE**

1/8/23



## PATIENT

Ida Rose Bates

## SPECIES

Canine

## BREED

Mixed Breed

## SEX

Spayed Female

## AGE

9 Years 5 Months

## WEIGHT

76.5

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Sarah Green

## HOSPITAL NAME

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## REFERRING VET

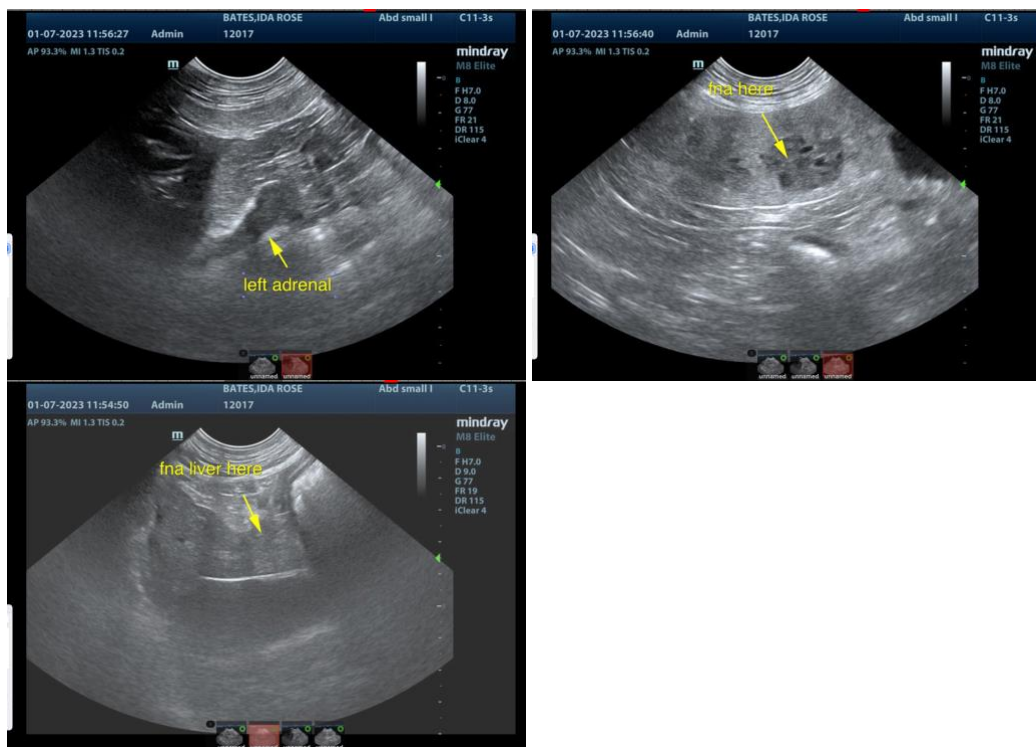
Sarah Green

## INVOICE

20488

## DATE

1/8/23



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 can be of any further assistance please contact me.

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
info@SonoPath.com