



**PATIENT PRESENTING CLINICAL SIGNS**

Cash Ross 2 month Hx of wt loss; acute onset (2 days) of L sided head tilt and ataxia); no Hx of intoxication or trauma

**SPECIES** Abnormal PE/Chem/CBC/UA Results: T-103.6F; L sided head tilt; no nystagmus; no otitis externa; tympanic membranes WNL; slightly tense on abd palpation BUN- 46 Crea- 3.9 Ca- 12.3 ALT- 120 Amy- 1563  
Canine

**BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

German Shepherd **Urinary System**

**SEX** The **urinary bladder** and visible pelvic urethra were unremarkable for the level of repletion presented. The urine, however, did present some mildly echogenic debris consistent with mucous, exfoliated cells from renal or bladder origin, and/or blood clots as these echogenic changes can all present similarly. This is often related to urinary tract infection but may represent simple evidence of exfoliated debris or sterile inflammation. Cystocentesis, urinalysis, +/- culture would be recommended to rule out and define any UTI.  
Neutered Male

**AGE** The **kidneys** were normal in size. The left kidney measured 7.0 cm. The right kidney presented irregular contour and measured 6.17 cm with pericapsular inflammatory pattern.  
6 Years

**WEIGHT** **Adrenal Glands**  
85 Pounds The **adrenal glands** were not visualized.

**Spleen**

**INTERPRETED BY** The **spleen** presented multifocal hypoechoic nodular changes and irregular contour. Generalized enlargement noted and honeycomb type appearance.  
Eric Lindquist, DMV

**Liver**

DABVP, Cert. IVUSS The **liver** was swollen and irregular with multifocal hypoechoic nodular changes. Mild increased portal markings noted. The gallbladder and common bile duct were unremarkable.

**Gastrointestinal**

The **gastrointestinal tract** was largely unremarkable yet obscured by regional lymph node pathology.

**HOSPITAL NAME** **Pancreas**

State Ave Vet Clinic Mixed hypoechoic **pancreatic** tissue noted with enhanced surrounding mesentery. An overt mass was noted in the area of the pancreas, measuring approximately 6.0 cm, likely of lymph node origin.

**REFERRING VET** **Free Abdomen**

Dr. Raul Casas-Dolz Several sublumbar lymph nodes were enlarged, hypoechoic, undifferentiated.

**INVOICE** The right cranial abdomen revealed a large lymph node mass measuring approximately 5.0 cm. Multiple other smaller lymph nodes were enlarged.

42598

**DATE**

11/7/22



**PATIENT**

Cash Ross

**SPECIES**

Canine

**BREED**

German Shepherd

**SEX**

Neutered Male

**AGE**

6 Years

**WEIGHT**

85 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Raul Casas-Dolz

**HOSPITAL NAME**

State Ave Vet Clinic

**REFERRING VET**

Dr. Raul Casas-Dolz

**INVOICE**

42598

**DATE**

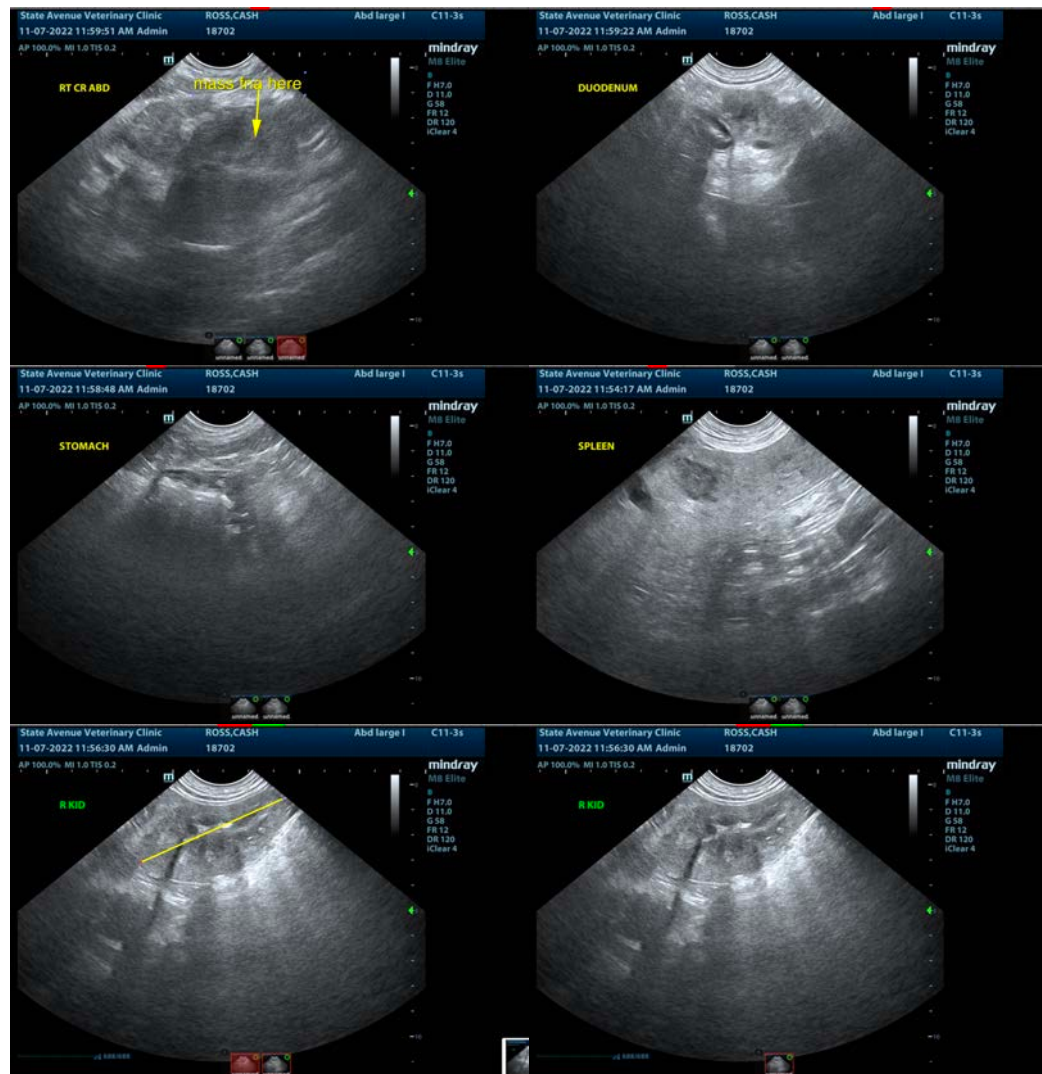
11/7/22

**ULTRASONOGRAPHIC FINDINGS**

- Multifocal neoplastic pattern involving spleen, liver, lymph nodes, and likely pancreas
- Moderate chronic degenerative renal changes with irregular contour, potentially involved in a neoplastic process
- Urinary bladder debris

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Immediate chemotherapeutic intervention recommended. Minor potential for underlying infectious agent such as fungal disease.





**PATIENT**

Cash Ross

**SPECIES**

Canine

**BREED**

German Shepherd

**SEX**

Neutered Male

**AGE**

6 Years

**WEIGHT**

85 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Raul Casas-Dolz

**HOSPITAL NAME**

State Ave Vet Clinic

**REFERRING VET**

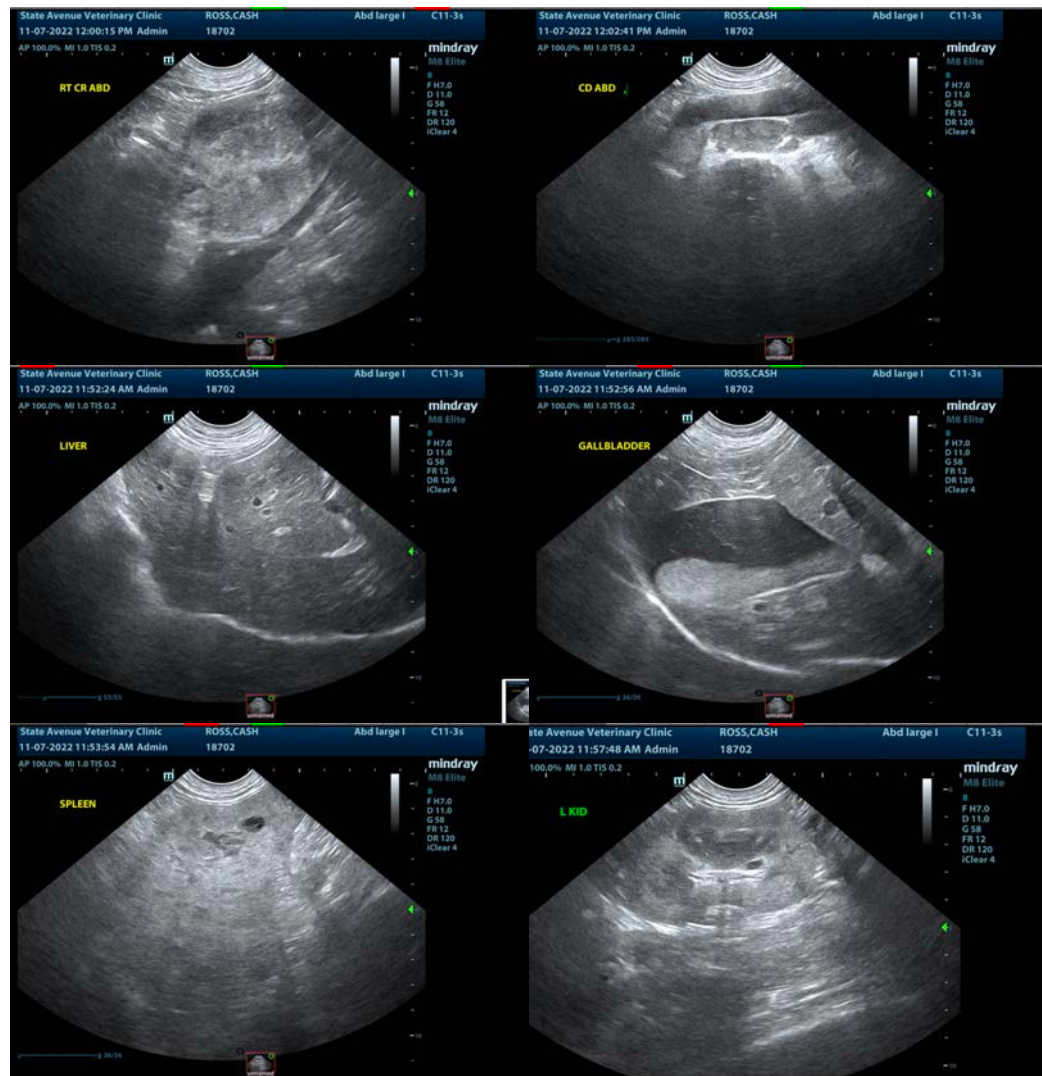
Dr. Raul Casas-Dolz

**INVOICE**

42598

**DATE**

11/7/22



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.

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

[info@SonoPath.com](mailto:info@SonoPath.com)