



**PATIENT**

Shelby Fendell

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Spayed female

**AGE**

9 years

**WEIGHT**

6.3 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. CVN

**HOSPITAL NAME**

Animal Emergency  
Hospital Volusia

**REFERRING VET**

Dr. CVN

**INVOICE**

43160

**DATE**

12/17/22

**PRESENTING CLINICAL SIGNS**

History: P was seen last night and declined BW/rads at the time, diagnosed with UTI, P is still not eating today; known diabetic for 1.5 years; normally on Vetsulin 3 units SQ BID (instructed to increase to 3.5 units last night due to hyperglycemia until glucose curve able to be completed); vomited yesterday

Abnormal PE/Chem/CBC/UA Results: ketones - large on serum FPLi: abnormal/positive for pancreatitis Chem: creat 0.7, calcium 8.1, TP 8.2, glucose 339 mg/dL, cholesterol >450, ALT 178 EPOC: pO2 54.6, cSO2, pCO2 24.1, bicarb 13.1, TCO2 12.2, BE ECF -12.7, sodium 143, potass 2.5, ionized calcium 0.81, glucose 322 mg/dL PCV/TS: 34%/>12 - very lipemic CBC: WBC 2.72, NEU 1.95, LYM 0.48, MCH 20.5, MCHC 43.5

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses. The bladder was over distended. 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 was noted. Ureteral papillae were normal.

The **kidneys** were mildly swollen with pericapsular hyperechoic fat. This is suggestive for inflammation and measured approximately 3.5 cm each. The right kidney revealed slight pyelectasia. An acute cortical infarct was noted in the caudal pole of the right kidney.

**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.

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

**Liver**

The **liver** revealed generalized hepatic enlargement and was diffusely hyperechoic to the falciform fat. Coarse hepatic architecture was noted. The gallbladder and small intestine were unremarkable.



|   |   |
|---|---|
| <b>PATIENT</b>                            | <b><i>Gastrointestinal</i></b>  |
| Shelby Fendell                            | Gastric stasis was noted owing to ileus. Variable distal small intestinal thickening was noted adjacent to the undifferentiated mass. The remainder of the intestinal tract was unremarkable. Reactive mesentery was noted. |
| <b>SPECIES</b>                            |   |
| Feline                                    | <b><i>Pancreas</i></b>  |
| <b>BREED</b>                              | A hypoechoic mass was noted in the region of the <b>pancreas</b> or lymph nodes with surrounding inflammation. The mass measured approximately 3.0 cm.  |
| Domestic Shorthair                        |   |
| <b>SEX</b>                                | <b><i>Free Abdomen</i></b>  |
| Spayed female                             | A mild amount of free fluid was noted.  |
| <b>AGE</b>                                | <b>ULTRASONOGRAPHIC FINDINGS</b>  |
| 9 years                                   | Undifferentiated mass in the region of the pancreas and mesenteric lymph node.  |
| <b>WEIGHT</b>                             | Enlarged liver with heterogenous changes and free fluid.  |
| 6.3 kg                                    | Minor acute renal infarct.  |
| <b>INTERPRETED BY</b>                     | <b><u>INTERPRETATION OF THE FINDINGS &amp; FURTHER RECOMMENDATIONS</u></b>  |
| Eric Lindquist, DMV<br>DABVP, Cert. IVUSS | Coagulation panel and 25-gauge FNA of the midabdominal mass and liver is recommended. There is a strong concern for underlying neoplasia. Urinary work-up is warranted. I suspect nephritis.                                |
| <b>IMAGING PERFORMED BY</b>               | <b>Potential Causes of Diabetic Dysregulation</b>   |
| Dr. CVN                                   | This is a suggestive checkoff list when faced with an unregulated diabetic patient:   |
| <b>HOSPITAL NAME</b>                      | UTI   |
| Animal Emergency<br>Hospital Volusia      | Dietary indiscretion/intolerance  |
| <b>REFERRING VET</b>                      | Pancreatitis  |
| Dr. CVN                                   | Hyperthyroidism/hypothyroidism  |
| <b>INVOICE</b>                            | Exogenous steroids (including topical eye meds)   |
| 43160                                     | Cushing's   |
| <b>DATE</b>                               | Acromegaly  |
| 12/17/22                                  | Owner compliance  |
|   | Insulin quality issues  |
|   | Antibodies to insulin   |



**PATIENT**

Underlying Neoplasia

Shelby Fendell

Diffuse liver disease

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Spayed female

**AGE**

9 years

**WEIGHT**

6.3 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. CVN

**HOSPITAL NAME**

Animal Emergency  
Hospital Volusia

**REFERRING VET**

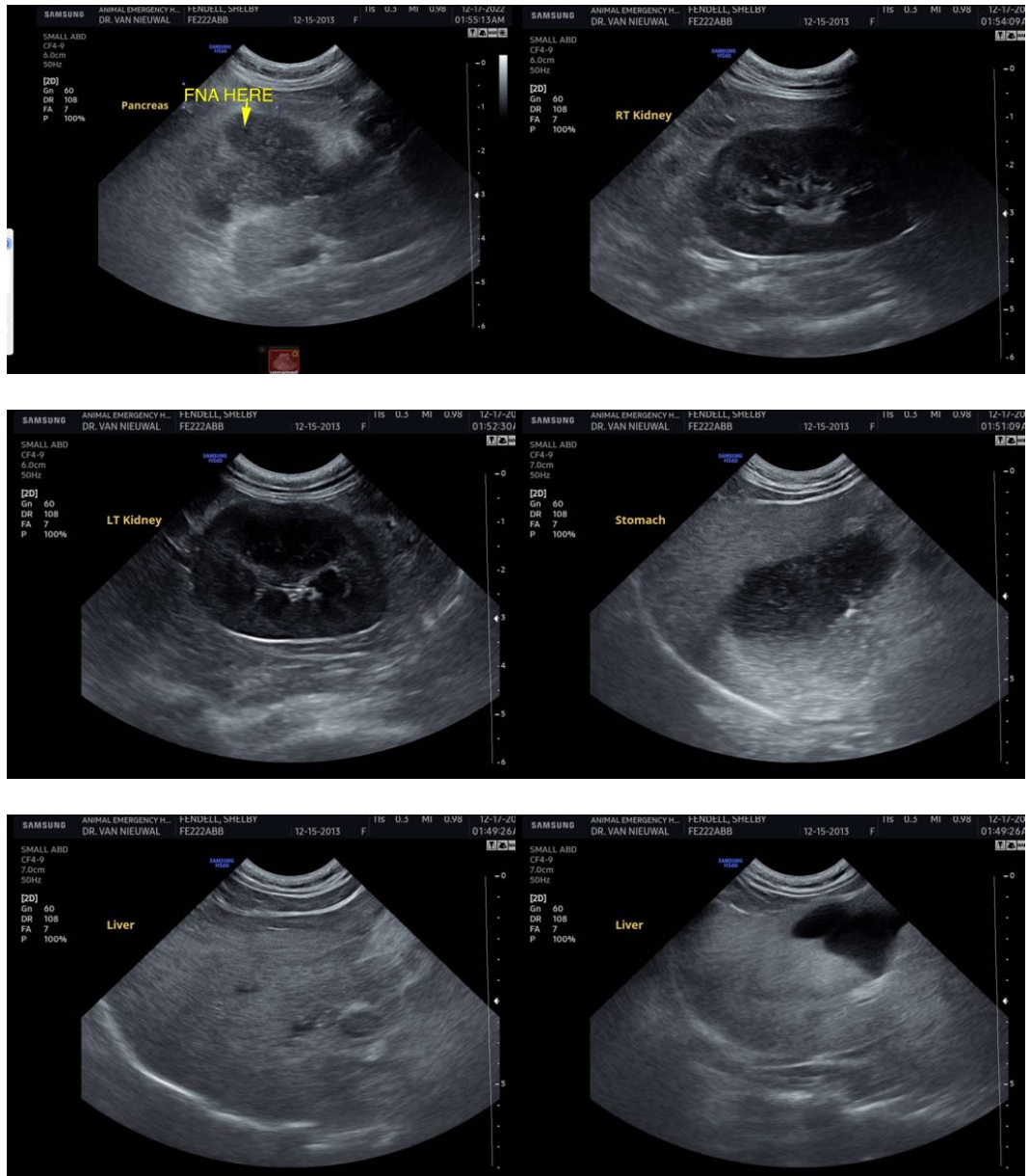
Dr. CVN

**INVOICE**

43160

**DATE**

12/17/22



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.



**PATIENT**

Shelby Fendell

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

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Spayed female

**AGE**

9 years

**WEIGHT**

6.3 kg

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Dr. CVN

**HOSPITAL NAME**

Animal Emergency  
Hospital Volusia

**REFERRING VET**

Dr. CVN

**INVOICE**

43160

**DATE**

12/17/22