

**PATIENT**

Chiquis Sermenon

**PRESENTING CLINICAL SIGNS**

sedated dex/torb- Large mass in mid-abdomen palpated at emergency hospital on 12/7/21. Hematochezia and hematemesis at that time. Physical Exam Findings/Reason for Ultrasound: Exam on 12/27/21- p was occasionally vomiting and have diarrhea, but no blood present. Lab Work Attached for Review? yes Radiographs Attached for Review? no Abnormal PE/Chem/CBC/UA Results: LABS attached

**SPECIES**

Canine

**BREED**

Shih Tzu

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**SEX**

Intact Female

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi.

**AGE**

7 Years

The left kidney has a normal shape and size (3.7 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

**WEIGHT**

7.9 Pounds

The right kidney has a normal shape and size (3.1 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

**Adrenal Glands**

**INTERPRETED BY**

Kathleen Sennello DVM,  
MS, Diplomate ACVIM  
(Small Animal Internal  
Medicine)

The left adrenal gland is normal in size measuring 0.45 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

**IMAGING PERFORMED BY**

Loetitia Saint-Jacques, RVT

The right adrenal gland is normal in size measuring 0.37 cm at the caudal pole. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

**HOSPITAL NAME**

Advanced Pet Care of NV

**Spleen**

The spleen is subjectively normal in size, echotexture is homogenous, and the splenic capsule is smooth with no irregularities. The blood flow through the hilus and splenic parenchyma appears normal. No focal parenchymal abnormalities are visualized.

**REFERRING VET**

Dr. Sarah Behrens

**Liver**

The liver is normal to small in size, and normal in echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

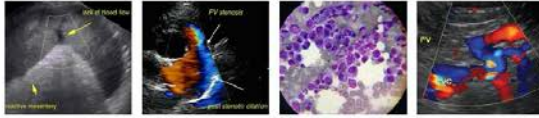
**INVOICE**

34231

The gall bladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. There is a mild amount of non-organized echogenic debris. The cystic and common bile ducts are normal/not visible.

**DATE**

1/13/22



**PATIENT**

Chiquis Sermeno

**Gastrointestinal**

The stomach contains minimal luminal contents. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

**SPECIES**

Canine

The visualized areas of duodenum, jejunum and ileum have a uniform diameter with mild to moderate fluid distension. Wall appears subjectively, mildly increased. Bowel loops follow a typical curvilinear path with distinct wall layering. Duodenum wall measures 0.44 cm. Jejunum wall measures 0.27 cm.

**BREED**

Shih Tzu

dVisualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

**SEX**

Intact Female

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with liquid fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

**Pancreas**

**AGE**

7 Years

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

**Free Abdomen**

**WEIGHT**

7.9 Pounds

Evaluation of the peritoneal cavity did not reveal any evidence of effusion, or subjective lymphadenomegaly. The Medial iliac nodes appear normal and there was no evidence of a caudal aortic thrombus at the bifurcation. The omentum is of normal uniform echogenicity.

**INTERPRETED BY**

Kathleen Sennello DVM,  
MS, Diplomate ACVIM  
(Small Animal Internal  
Medicine)

**Other**

A brief view of the heart was submitted. No significant pericardial effusion was seen.

**IMAGING PERFORMED BY**

Loetitia Saint-Jacques, RVT

Both the left and right ovaries are visualized. The right ovary is somewhat irregular and prominent, measuring 1.37 cm x 2.95 cm. In the area of the left ovary is a very large, multilobular, mixed echogenicity and partially cystic mass effect measuring 4.62 cm x 5.85 cm. The area and appearance of this mass effect is most consistent with a right ovarian mass. There are glimpses of the uterine horn in this area as well.

**PRIMARY FINDINGS**

**HOSPITAL NAME**

Advanced Pet Care of NV

- Large, multilobulated, partially cystic mass effect caudolateral to the left kidney – most consistent with a left ovarian mass.

**REFERRING VET**

Dr. Sarah Behrens

- Prominent, mildly thickened small intestine with intact layering and mild fluid dilation – The mild small intestinal wall changes may be a normal variant in this patient or could be consistent with an inflammatory process (e.g., inflammatory bowel disease).

- Liquid fecal material visualized in the colon – most consistent with diarrhea or soft stool.

**INVOICE**

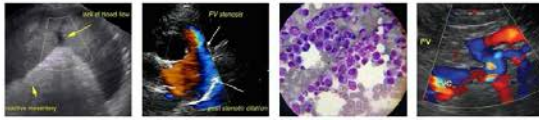
34231

**SECONDARY FINDINGS**

- Borderline small liver – this could be normal in this small individual.

**DATE**

1/13/22



**PATIENT**

Chiquis Sermeno

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

There is a large mass lateral to the left kidney, which is most consistent with a left ovarian mass. Options moving forward include:

**SPECIES**

Canine

- Recommend 3-view thoracic radiographs.
- Consider going directly to a veterinary surgeon for explore and ideally removal of the lesion with sample submitted for histopathology.

**BREED**

Shih Tzu

- If a more cautious approach is desired, consider a fine needle aspirate of the mass effect +/- a preoperative CT scan to fully evaluate the extent of the mass lesion and look for metastasis.
- Full ovariohysterectomy should be performed at the time of surgery.

**SEX**

Intact Female

If this is confirmed to be a primary ovarian mass, this can have a favorable prognosis, as possible differentials would include an adenoma, carcinoma, teratoma, etc. Many of these can be slow to metastasize.

**AGE**

7 Years

It is unknown if this mass effect is related to the previous GI symptoms reported. Some areas of the small bowel do appear somewhat fluid dilated and thickened. Consider GI biopsies at the time of surgery to further evaluate these issues.

**WEIGHT**

7.9 Pounds



**INTERPRETED BY**

Kathleen Sennello DVM,  
MS, Diplomate ACVIM  
(Small Animal Internal  
Medicine)

**IMAGING PERFORMED BY**

Loetitia Saint-Jacques, RVT



**HOSPITAL NAME**

Advanced Pet Care of NV

**REFERRING VET**

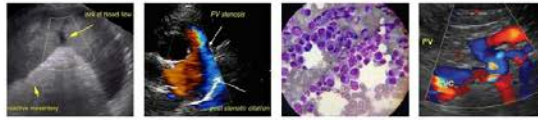
Dr. Sarah Behrens

**INVOICE**

34231

**DATE**

1/13/22



**PATIENT**

Chiquis Sermeno

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

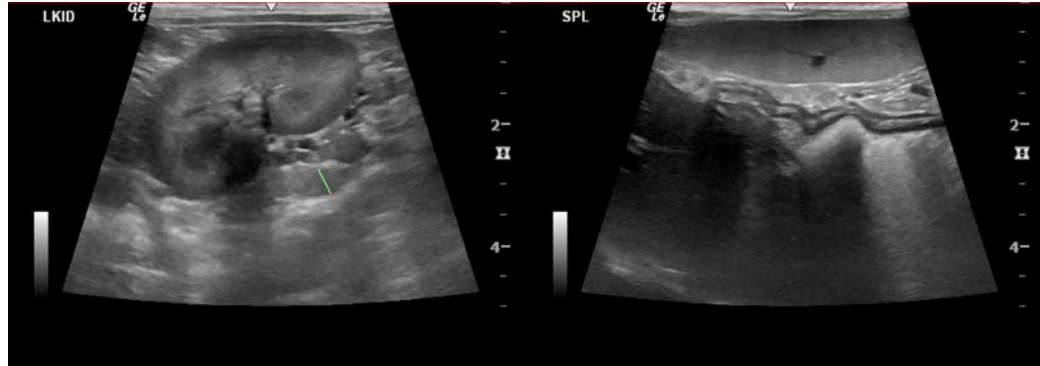
Intact Female

**AGE**

7 Years

**WEIGHT**

7.9 Pounds



**SEX**

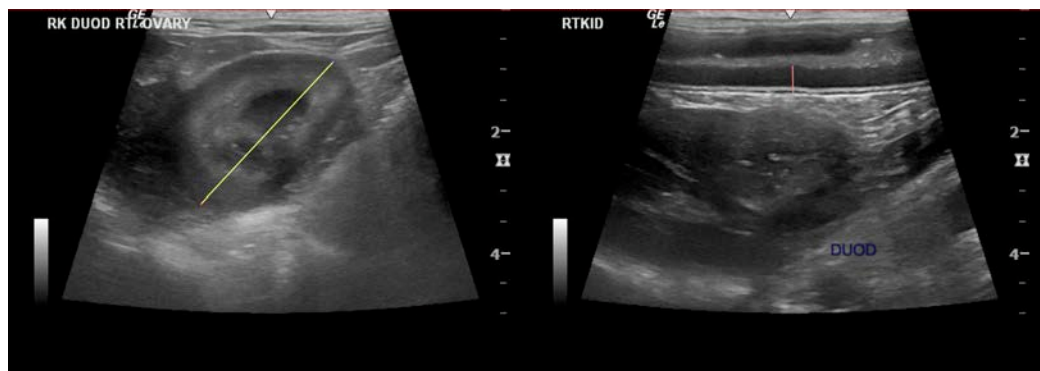
Intact Female

**AGE**

7 Years

**WEIGHT**

7.9 Pounds



**INTERPRETED BY**

Kathleen Sennello DVM,  
MS, Diplomate ACVIM  
(Small Animal Internal  
Medicine)

**IMAGING PERFORMED BY**

Loetitia Saint-Jacques, RVT

**HOSPITAL NAME**

Advanced Pet Care of NV

**REFERRING VET**

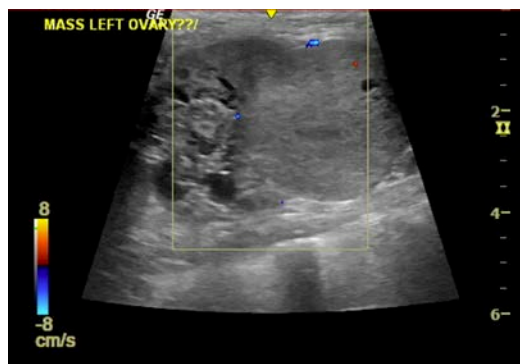
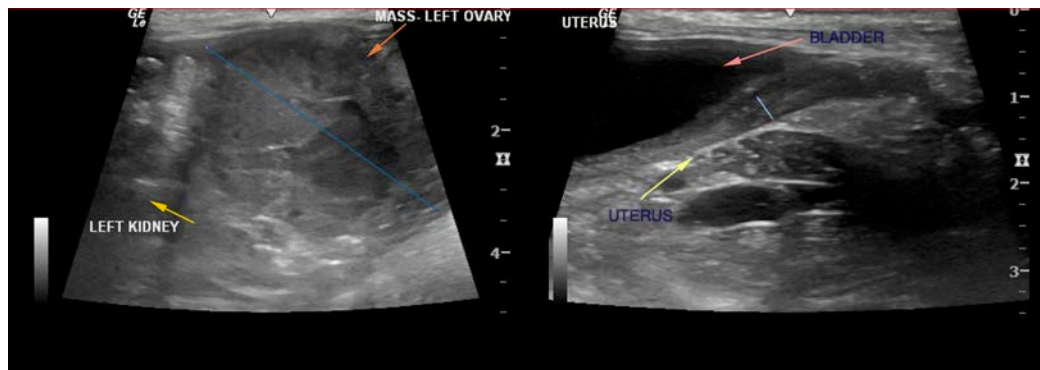
Dr. Sarah Behrens

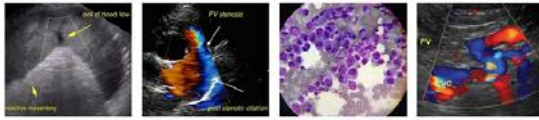
**INVOICE**

34231

**DATE**

1/13/22





**PATIENT**

Chiquis Sermeno

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.

**SPECIES**

Canine

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.

**BREED**

Shih Tzu

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)

kathleen.sennello@sonopath.com

**SEX**

Intact Female

**AGE**

7 Years

**WEIGHT**

7.9 Pounds

**INTERPRETED BY**

Kathleen Sennello DVM,  
MS, Diplomate ACVIM  
(Small Animal Internal  
Medicine)

**IMAGING PERFORMED BY**

Loetitia Saint-Jacques, RVT

**HOSPITAL NAME**

Advanced Pet Care of NV

**REFERRING VET**

Dr. Sarah Behrens

**INVOICE**

34231

**DATE**

1/13/22