

**PATIENT**

Mimolette Seligman

**PRESENTING CLINICAL SIGNS**

History: Ovarian Cysts

**SPECIES**

Guinea Pig

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

The bladder lumen is normally distended, and the urinary bladder wall appears thin and smooth. The urine is slightly turbid with a few floating echogenic crystals, likely calcium-based. The proximal urethra and vesicoureteral junction appear normal. No calculi or evidence of inflammatory or neoplastic changes are identified.

**SEX**

Female

The left kidney is normal in shape and size (2.45×1.45 cm), with a cortical thickness of 0.26 cm in the sagittal plane. The renal cortex is isoechoic to the liver, with a normal corticomedullary ratio and preserved definition. No pyelectasia, nephroliths, or hydronephrosis are noted. Color Doppler evaluation is normal.

**AGE**

1 year

The right kidney is normal in shape and size (2.40×1.68 cm), with a cortical thickness of 0.23 cm in the sagittal plane. Cortical echogenicity is considered within normal limits relative to hepatic parenchyma. The corticomedullary ratio and definition are preserved. No pyelectasia, nephroliths, or hydronephrosis are observed. Color Doppler evaluation shows a normal pattern.

**WEIGHT**

1.032 kg

Uterine diameter measures 4.25 mm. Right ovary: two small cysts are present, measuring 2.11×3.65 mm and 2.35×1.39 mm. The left ovary was not visualized.

**INTERPRETED BY**

Alicia Angosto  
 Guerrero, DMV, PgDip,  
 MSc.

**Adrenal Glands**

The left adrenal gland was partially visualized, measuring 0.66 cm. The right adrenal gland was not visualized.

**IMAGING PERFORMED BY**

Kerri Becker

**Spleen**

The spleen was not visualized.

**HOSPITAL NAME**

Companion AH  
 Parsippany

**Liver**

The liver is subjectively normal in size, with sharp margins and a regular contour. The hepatic parenchyma is uniform and isoechoic to falciform fat, with a normal echotexture. No hepatic lymphadenopathy is observed.

**REFERRING VET**

Dr. Wolf

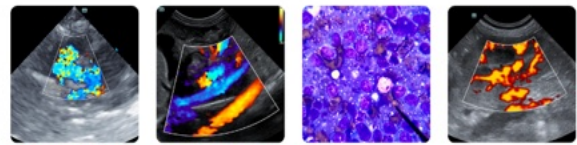
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The gallbladder lumen is normally distended. The wall is thin, and the contents are primarily anechoic. No dilation of the cystic duct or common bile duct is identified.

**DATE**

11/18/25



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***Gastrointestinal***

The stomach is distended and contains material producing distal acoustic shadowing, likely related to ingesta. Mural thickness is 1.80 mm, and wall layering is preserved.

Pylorus: 1.31 mm. Duodenum: 0.79 mm. Jejunum: 0.55 mm. Cecum: 0.67 mm. No signs of obstruction, ileus, bloat, or foreign material are present.

The colon appears normal, containing formed feces in the descending segment.

***Pancreas***

The pancreas itself was not distinctly visualized; however, the regions examined did not show evidence of inflammation. Evaluation is partially limited by acoustic shadowing from gastric contents.

***Free Abdomen***

No abdominal effusion or signs of peritonitis are observed. Cranial mesenteric lymph nodes and ileocecal lymph nodes were not visualized, but surrounding tissues appear unremarkable. The iliac trifurcation is normal.

**ULTRASONOGRAPHIC FINDINGS**

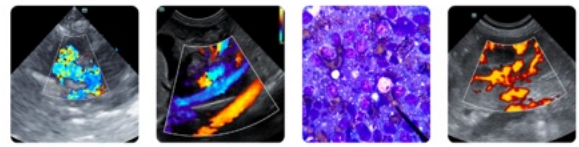
- Slightly turbid urine with floating calcium crystals.
- Two small right ovarian cysts (2.11×3.65 mm and 2.35×1.39 mm).

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The ultrasound examination reveals two small right ovarian cysts, which are consistent with early or mild cystic ovarian disease, a common reproductive condition in female guinea pigs. The absence of visualization of the left ovary is not uncommon in this species due to its deep anatomic position and interference from gastrointestinal gas; therefore, the presence of a contralateral cyst cannot be ruled out. These findings are highly compatible with follicular (serous) cysts, which are the most common type and typically present as small, multiple cysts in young or adult guinea pigs without significant clinical signs. There are no findings suggestive of theca cell cysts, which are usually much larger and hormonally active, nor paraovarian cysts

The urinary bladder contains slightly turbid urine with a few floating echogenic crystals, most likely calcium-based, which is a frequent incidental finding in guinea pigs due to their calcium metabolism. No evidence of urinary obstruction, infection, or calculi is observed.

The stomach is distended with ingesta causing distal acoustic shadowing; this limits assessment of the pancreatic region. However, there is no sign of gastric impaction.



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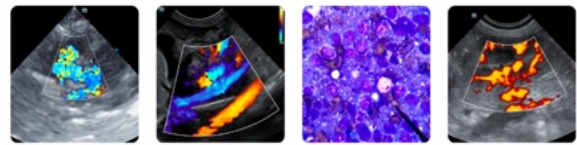
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**Recommendations**

- If symptomatic or cysts enlarge or generates symptoms:
  - Ovariohysterectomy is the definitive treatment.
  - Hormonal therapy may be considered but is less reliable and often temporary.
- Ensure adequate dietary fiber and stable GI motility.
- Encourage hydration; mild urinary turbidity and calcium crystals are typically incidental but benefit from good fluid intake.





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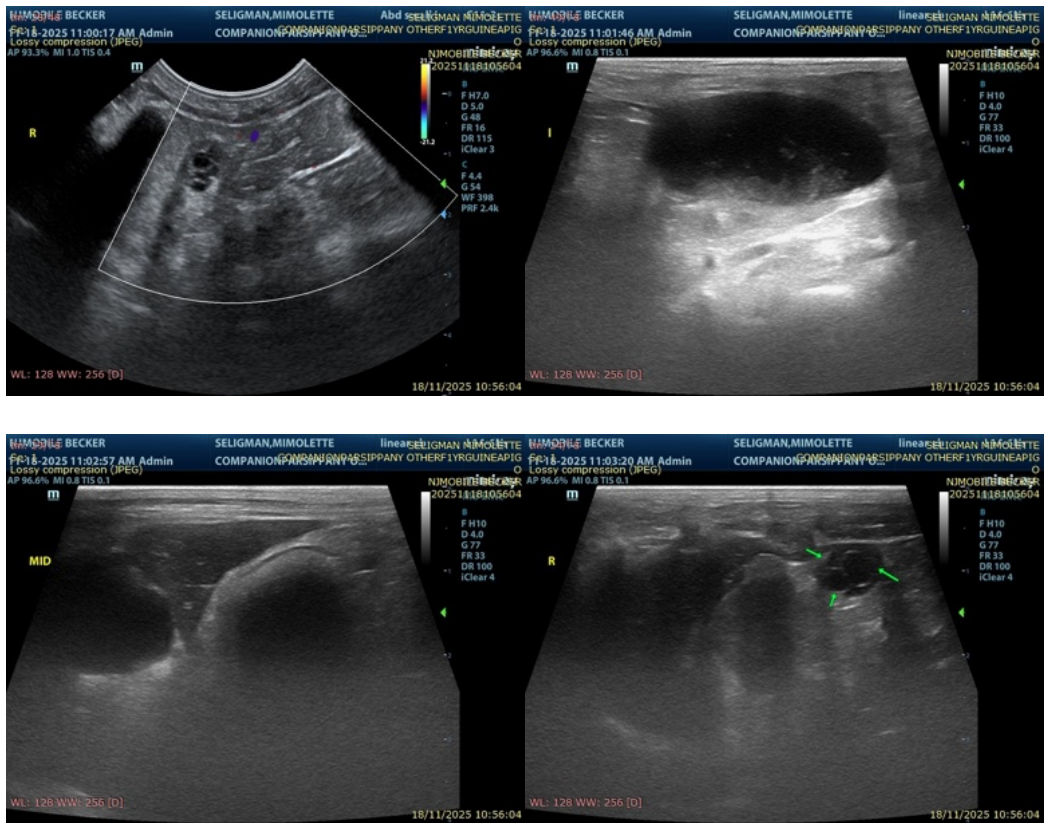
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Alicia Angosto Guerrero, DMV, PgDip, MSc.

MV Esp Ultrasound in Domestic and Wild Animals

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