



## PATIENT

Nala Billie

## SPECIES

Canine

## BREED

Dachshund

## SEX

Spayed Female

## AGE

9 Months

## WEIGHT

5.2 Pounds

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Dr. Valentina

## HOSPITAL NAME

The Veterinary Surgery

## REFERRING VET

Dr. Valentina

## INVOICE

17194

## DATE

9/5/22

## PRESENTING CLINICAL SIGNS

History: Nala is a Dachshund, female entire 9 months old. Presented for minor bleeding from the vulva since two months. Otherwise being quite happy in herself. The patient is Bar, Mmc are pink, HR 140 RR 28, Pulse normal. The vulva is mildly enlarged and a small amount of clear hemo discharge is obvious. The rest of the physical examination is unremarkable. The blood work reveals polycythemia and slight increased ALT. The others parameters are in the normal range.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The **urinary bladder**, 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.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 3.0 cm. The right kidney measured 3.0 cm.

### Adrenal Glands

The **adrenal glands** were not visualized.

### 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 were noted.

### Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

### Gastrointestinal

Examination of the **gastrointestinal tract** 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.

### Pancreas



## PATIENT

Nala Billie

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

**Other**

The **uterus** was mildly thickened and empty, measuring 0.75 cm. The ovaries were not visualized.

## BREED

Dachshund

## ULTRASONOGRAPHIC FINDINGS

- Mildly thickened uterus. Open pyometra, metritis and active heat cycle all possible.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## SEX

If the patient is not intended to be a breeding female, then ovariohysterectomy is recommended.

Spayed Female

## AGE

9 Months

## WEIGHT

5.2 Pounds

## INTERPRETED BY

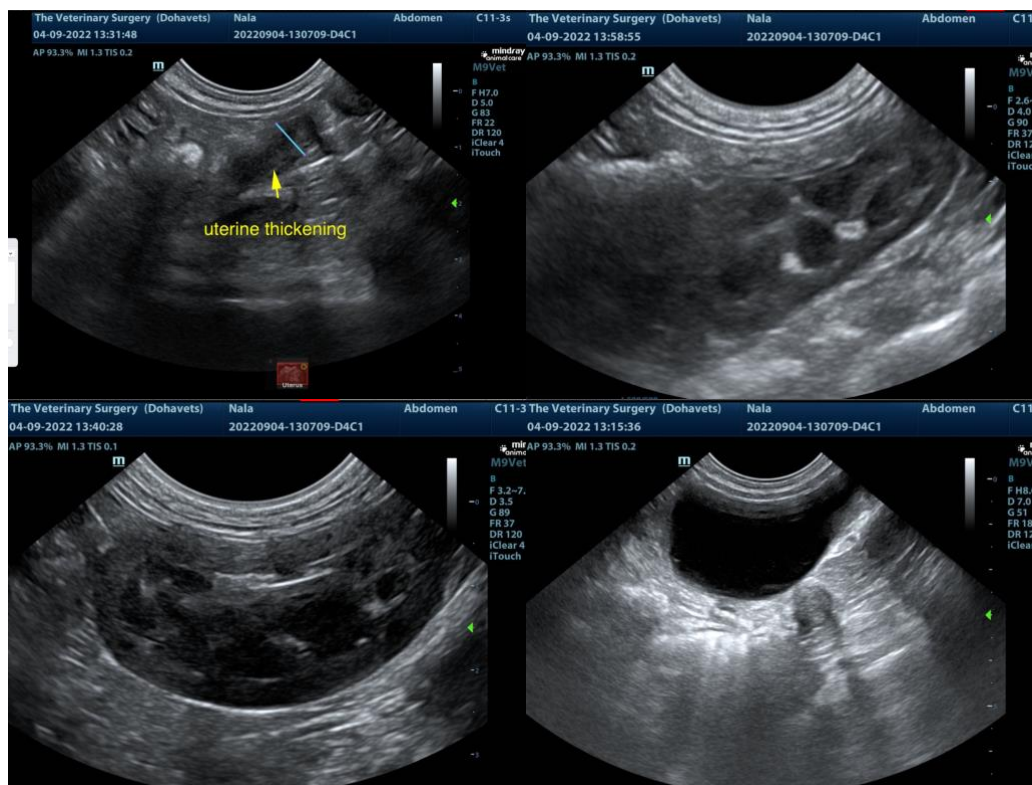
Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Dr. Valentina

## HOSPITAL NAME

The Veterinary Surgery



## REFERRING VET

Dr. Valentina

**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.**

## INVOICE

17194

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.

## DATE

9/5/22

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