



PATIENT PRESENTING CLINICAL SIGNS

Toffee Arora
cryptorchid, retained deciduous teeth - underweight - No clinical symptoms meds: clavaseptin 62.5mg BID (urine infection), Fortiflora SA

SPECIES
Canine
Abnormal PE/Chem/CBC/UA Results: - elevated ALT 493 Lymphocytes 5.9 - Mild struvite crystals with concentrated urine (suspect normal finding)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED
Shih Tzu
Urinary System

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.

SEX
Intact Male
The prostate is large in size (1.3 cm in the sagittal view) but has a regular shape with smooth external margins. The parenchyma is heterogenous but no discrete focal lesions are present. The prostatic urethra appears normal with no evidence of irregularity, invasion, mass effect or calculi.

AGE
1 Year
The left kidney has a normal shape and size (4.62 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT
5.2 kg
The right kidney has a normal shape and size (4.79 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of focal perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

INTERPRETED BY

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

Adrenal Glands

The left adrenal gland is normal in size measuring 0.51 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

Kelly Reschny

The right adrenal gland is normal in size measuring 0.42 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

Headon Forest AH

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. Terminski

Liver

The liver is subjectively normal in size, and 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

42488

DATE

11/2/22

The gallbladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are mild and primarily anechoic. The cystic and common bile ducts are normal/not visible.


PATIENT *Gastrointestinal*

Toffee Arora 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

BREED

Shih Tzu

SEX

Intact Male

AGE

1 Year

WEIGHT

5.2 kg

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The duodenum measured as normal (between 0.3-0.5cm in wall thickness) and the jejunum measured as normal (between 0.2-0.47cm.) Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

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

Pancreas

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

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.

Other

The left testicle is visualized near the trigone of the urinary bladder, likely in the inguinal area, measuring 0.82 cm x 1.6 cm. The right testicle is not imaged but is reported to be descended within the scrotal sac.

INTERPRETED BY

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

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Headon Forest AH

REFERRING VET

Dr. Terminski

ULTRASONOGRAPHIC FINDINGS

- Large prostate – Findings are appropriate for an intact male dog.
- Left inguinal ovoid structure – Findings are most consistent with a cryptorchid left testicle.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

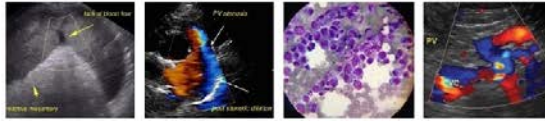
The structure in the inguinal region on the left side is most consistent with the undropped testicle. There is no evidence of a liver shunt visualized on the images provided, but given the pet's age, the ALT elevation, and one congenital anomaly, recommended bile acid evaluation. If bile acids are significantly elevated, then consider a contrast CT scan, looking for a portosystemic shunt and possibly a liver biopsy. You may want to postpone neutering until you have a plan for the liver, as there may be the option to combine procedures.

INVOICE

42488

DATE

11/2/22



PATIENT

Toffee Arora

SPECIES

Canine

BREED

Shih Tzu

SEX

Intact Male

AGE

1 Year

WEIGHT

5.2 kg

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Kelly Reschny

HOSPITAL NAME

Headon Forest AH

REFERRING VET

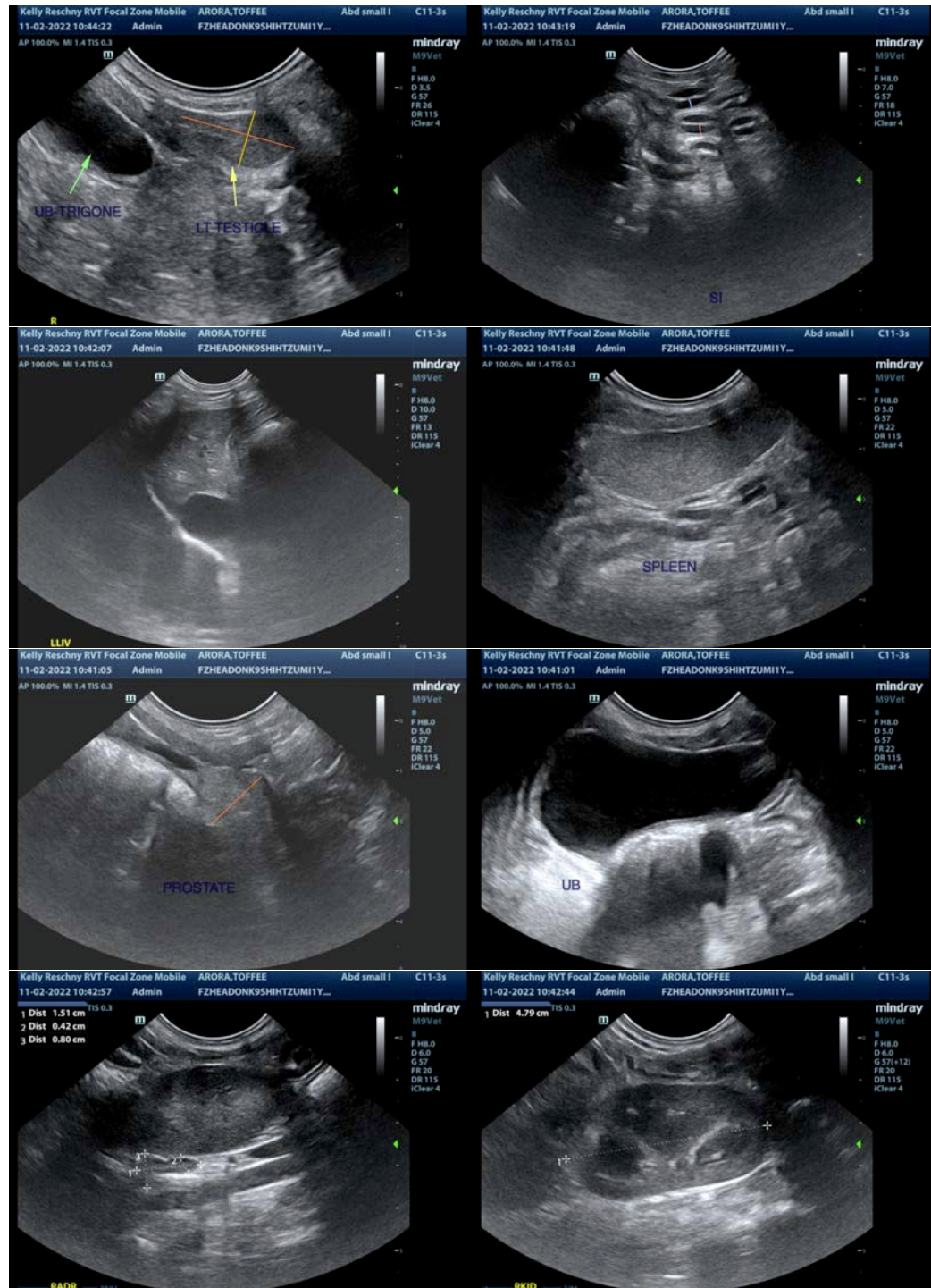
Dr. Terminski

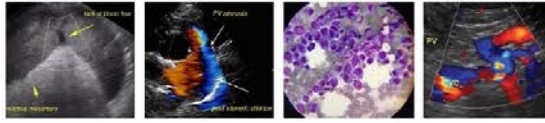
INVOICE

42488

DATE

11/2/22





PATIENT

Toffee Arora

SPECIES

Canine

BREED

Shih Tzu

SEX

Intact Male

AGE

1 Year

WEIGHT

5.2 kg

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Kelly Reschny

HOSPITAL NAME

Headon Forest AH

REFERRING VET

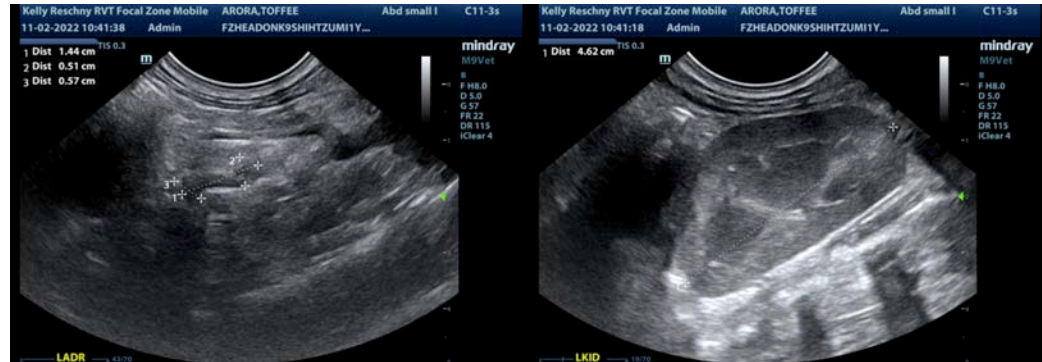
Dr. Terminski

INVOICE

42488

DATE

11/2/22



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.

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

kathleen.sennello@sonopath.com