



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Princess Miller Reason for Visit: O suspects UTI History: 7 y/o s,f terrier mix presents for a suspected UTI that has been going on for 3/4 days. O says that it is discolored, has blood in it, and has a strong smell. Has not gone in the house but has been frequently going outside. Does not seem painful or straining, has a steady stream. Per O, is not drinking more water than usual.

SPECIES

SPECIES Canine Abnormal PE/Chem/CBC/UA Results: Hydration: Appropriately hydrated Mentation: BAR EENT: No nasal discharge; clear no discharge OU; clean no debris AU; No cough on tracheal palpation. Oral Cavity: mod dental tartar present Lymph Nodes: Symmetrical, no changes in size, shape, consistency Skin: Good hair coat, no signs of ectoparasites. CV/Respiratory: No murmur or crackles/wheezing auscultated. Synchronous pulses, normal rate. Normal bronchovesicular sounds. Abd/GI: Soft non painful abdomen, no organomegaly, no abnormalities on abdominal palpation Uro/Perineum: N

BREED

BREED Terrier Mix

Musculoskeletal: Ambulatory x4, no lameness noted. No pain on palpation of limbs. BCS 6/9 Neurological: Appropriate Fecal: Diagnostic Testing Needed: UA, abd rads Declined Diagnostics/Treatments: Findings: UA: SG 1.025, TNTC RBC, 0-3 WBC, struvite crystals rads - consult pending

SEX

SEX Spayed Female

RADIOGRAPHIC STUDY OF THE ABDOMEN

A large amount of dorsal subcutaneous and retroperitoneal fat is present.

AGE

AGE 7 Years 7 Months

The xiphisternum is short.

The abdominal detail is good; diaphragm and abdominal wall are intact.

INTERPRETED BY

INTERPRETED BY Heike Rudolf, DVM, Dr. med. Vet., DipECVDI DVR

The liver is located within the costal arch and the caudo-ventral lobe is rounded.

The head of the spleen appears physiological.

The stomach is distended with air. The small intestinal loops are located in the ventral abdomen; distribution and size appear physiological. Colon and rectum contain a moderate amount of fecal matter.

HOSPITAL NAME

HOSPITAL NAME DPC Veterinary Hospital

Both renal shadows are ventrally displaced by a large amount of retroperitoneal fat. The left renal shadow has a physiological size, shape and opacity; the right is obscured by intestinal loops but appears to be of physiological size. The bladder is located in the abdominal cavity and contains a small amount of homogeneous fluid opacity.

REFERRING VET

REFERRING VET Dr. White

An undulating, tubular structure is superimposed onto the ventral bladder and extends towards the pelvic canal. Its width is approx. 50% of that of the small intestine.

The sublumbar region appears physiological.

INVOICE

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RADIOGRAPHIC DIAGNOSIS

- I can see no calculi
- Rounded ventral liver lobe

DATE

DATE 4/15/23



PATIENT

- Obesity

Princess Miller

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

Canine

BREED

Terrier Mix

SEX

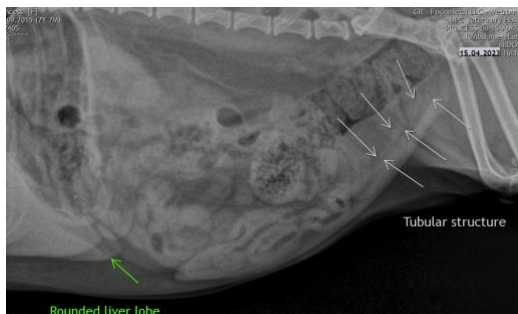
Spayed Female

If the urine becomes exceptionally concentrated or if it becomes alkaline, struvite crystals will precipitate or fall out of solution. In dogs, struvite cystic calculi usually form as a complication of a bladder infection caused by bacteria that produce the enzyme urease. Other causes of alkaline urine are e.g. renal diseases, long-term use of diuretics or antacids. Struvite stones are usually radiopaque but if they are small and other structures are superimposed onto them, they may be overlooked. I recommend ultrasound of the urinary tract to a) identify the number of stones present as well as their size, b) to assess bladder wall layering and - thickness and c) the location of the thickening. The latter is important as aging dogs can have urethral or bladder neck tumors (usually transitional cell carcinoma) and their early detection is important for the prognosis. You may have to inject saline retrogradely because the walls will physiologically appear thickened if the bladder is empty. Alternatively, a retrograde positive contrast urethra-cystogram can be performed.

Rounding of the liver lobes can be the result of fatty infiltrate which can be due to obesity, diabetes mellitus or Cushing's disease. Your blood analysis would have alerted you to the two diseases. The tubular structure most likely represents part of the uterus.

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7 Years 7 Months



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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.

HOSPITAL NAME

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Hospital

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.

REFERRING VET

Dr. White

Heike Rudolf, DVM, Dr. med. vet., DipECVDI, DVR
dr.h.rudorf@gmail.com

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Terrier Mix

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Spayed Female

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