


**PATIENT PRESENTING CLINICAL SIGNS**

**Miku Truyol** History: Diagnosed and treated for leptospirosis (12/14) with azotemia and renal changes on ultrasound evident. Hyporexia.

**SPECIES** Physical Examination: N/A.

Canine Urinalysis: SG1.015.

**BREED** CBC: N/A.

Pomski Serum Biochemistry: Azotemia.

Radiographic Findings: N/A.

**SEX**

Intact Female

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**
**Age** *Urinary System*

2 years Full urinary bladder with a normal thickness and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

**WEIGHT**

25 #

Normal trigone area, proximal urethra (0.3 cm), and iliac blood vessels.

Normal iliac lymph nodes (1.5 cm). Ureters not visualized.

**INTERPRETED BY**

Remo Lobetti, BVSc,  
MMedVet (Med), PhD, Dipl.  
ECVIM

Normal renal size (left 5.2 cm, right 6.2 cm) with a mottled echogenic appearance, some loss of cortico-medullary differentiation, bilateral pyelectasia (left 0.6 cm, right 0.5 cm), and normal capsule.

*Reproductive System*

Normal appearance and size of the uterus (body 1.5 cm, left horn 0.6 cm, right horn 0.5 cm) and ovaries (left 1.5 cm, right 1.6 cm).

*Adrenal Glands*

Normal position, echogenic appearance, shape, and size. Left 0.37/0.44 cm, right 0.43/0.37 cm.

*Spleen*

Normal size (1.4 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

*Liver*

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder containing small amount of hyperechogenic sediment. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.3 cm).

**INVOICE**

303729

**DATE**

1/3/23

**IMAGING PERFORMED BY**

Sonya Myers, DVM

**HOSPITAL NAME**

Oviedo Veterinary Care and  
Emergency

**REFERRING VET**

Dr Williams



**PATIENT** *Gastrointestinal*

Miku Truyol Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.45 cm, duodenum 0.34 cm, jejunum 0.39 cm, colon 0.13 cm) and peristaltic activity, and no distension of the lumen.

**SPECIES**

Canine

*Pancreas*

Normal size (right 1 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**BREED**

Pomski

*Free Abdomen*

Normal mesenteric lymph nodes (0.4 x 1.1 cm).  
No ascites.

**SEX**

Intact Female

**Age**

2 years

**ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

- Nephropathy.

**WEIGHT**

25 #

Secondary Findings:

- Gall bladder sediment.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The most likely etiology for the nephropathy would be secondary to the leptospirosis with bacterial nephritis and pyelonephritis, differential diagnoses.

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Further assessment would be urinalysis, urine culture, UPC (if urine sediment and culture negative), blood pressure, and urine/blood PCR for *Leptospira*, the latter to ensure that the infection has been eliminated.

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Specific therapy would be dependent on an etiological diagnosis. Symptomatic management would be renal diet, enteric phosphate binders (as needed), anti-emetics, and appetite stimulants.

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Miku Truyol

**SPECIES**

Canine

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 MMedVet (Med), PhD, Dipl.  
 ECVIM

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**IMAGES**

**Left kidney**



**Right kidney**



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.

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.

**Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)**  
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