



**PATIENT PRESENTING CLINICAL SIGNS**

Cookie Kang History: Anorexia, heart failure – on theophylline, furosemide, and Cerenia.

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

Canine Urinalysis: N/A.

CBC: N/A.

**BREED** Serum Biochemistry: N/A.

Yorkshire terrier Radiographic Findings: N/A.

**SEX**

FS

**AGE**

14 years

**WEIGHT**

5.5 #

**INTERPRETED BY**

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

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

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

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 3.1 cm, right 3.6 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

**Reproductive System**

N/A.

**IMAGING PERFORMED BY**

Dr Paul Kim

**Adrenal Glands**

Normal shape, echogenic appearance, size, and position.

**HOSPITAL NAME**

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**Spleen**

Normal size and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**REFERRING VET**

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**Liver**

Normal size, echogenic appearance, and portal markings. Multiple hypoechogenic parenchymal nodules of varying sizes. Small gall bladder containing normal anechoic bile. Normal thickness and appearance of the gall bladder wall. Normal bile duct.

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**Gastrointestinal**

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Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristaltic activity, and no distension of the lumen.



**PATIENT** *Pancreas*

Cookie Kang Normal size and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**SPECIES** *Free Abdomen*

Canine No mesenteric lymphadenomegaly.  
No ascites.

**BREED**

Yorkshire terrier

**ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

- Hepatic nodules.

Secondary Findings:

- Age-related renal changes.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the hepatic nodules would be nodular regeneration, hepatomas, granulomas, abscessation, and neoplasia.

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Further assessment would be CBC, liver enzyme activity, and FNA cytology of the hepatic nodules.

Specific therapy would be dependent on an etiological diagnosis.

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**PATIENT IMAGES**

Cookie Kang **Liver**

**SPECIES**

Canine

**BREED**

Yorkshire terrier

**SEX**

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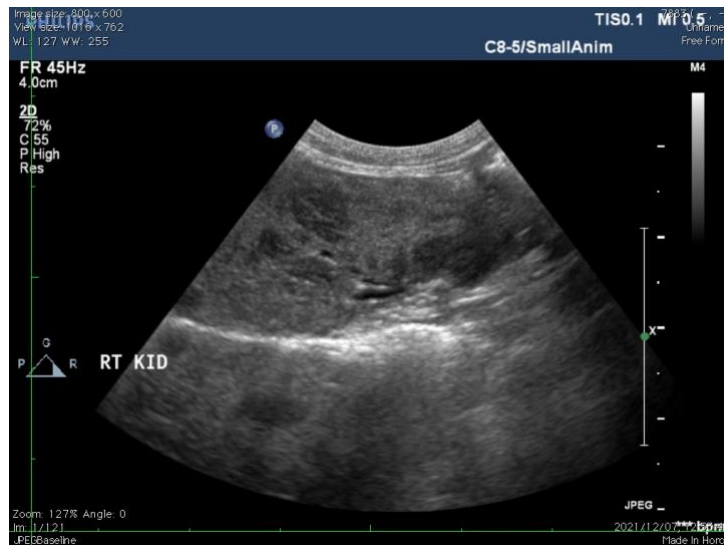
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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