



## PATIENT

Space Alien Burger

## SPECIES

Feline

## BREED

DSH

## SEX

Neutered Male

## AGE

13 Years

## WEIGHT

16.4 pounds

## INTERPRETED BY

R. McKenzie Daniel,  
DVM, DABVP

## IMAGING PERFORMED BY

Jasmine Palacios

## HOSPITAL NAME

River's Edge Pet  
Medical Center

## REFERRING VET

Dr. Shelby Young

## INVOICE

12390

## DATE

11/21/25

## PRESENTING CLINICAL SIGNS

Hx of renal disease (Crea 1.7 12/2024), on K/D diet. O typically urinates large clumps, has not been seen since Wednesday. O has x2 cats at home, unsure of litterbox habits but has not seen Pt going in/out of litterbox, nor has she seen pt straining. Has vomited the last 2 days, vomited x3 this morning. Decreased appetite.

Abnormal PE/Chem/CBC/UA Results: See attached labs: Labs today: CBC unremarkable. Chem 17 - SDMA >100, Crea >13.6, BUN 162, Phos 12.1 (rr 3.1-7.5). Ca wnl at 9.4. Liver & proteins wnl. K 7.0 (rr 3.5-5.8), Na wnl. Cl wnl. Panc Lipase wnl. TT4 wnl. UA - SpGrav 1.012, pH 6.0, clear & yellow, no bacteria, crystals, wbc. RBC 35/hpf. See attached rads: No radiopaque uroliths seen, possible small mineralization seen in left kidney? Left kidney appears large, right kidney appears very small & shrunken

## LIMITED ULTRASONOGRAPHIC EXAMINATION

### Urinary System

The urinary bladder was normal in size and tone. Normal urinary bladder wall without evidence of inflammation or tumors. Dependent lumen hyperechoic sand/mineral was present which appeared to dissipate once the patient was manipulated. The trigone and cystourethral junction were free of pathology. The visible urethra was normal in structure and tone to a depth of 2.0 cm.

The right kidney was mildly enlarged in size with mild thickened cortex and indistinct corticomedullary border demarcation. Areas of medullary to pelvic mineral with mild hydronephrosis. No obvious visualized right hydroureter. The right kidney measured 5.7 cm in length.

The left kidney presented with subnormal size, mild asymmetrical margination and indistinct corticomedullary ratio with mild variable corticomedullary echogenicity. Indistinct corticomedullary border demarcation with no evidence of pyelectasia. The left kidney measured 3.3 cm in length.

## ULTRASONOGRAPHIC FINDINGS

- Normal urinary bladder with dependent to dissipated urine sediment/sand.
- Left kidney chronic degenerative changes exhibiting subnormal size compared to the right kidney.
- Right kidney chronic changes exhibiting compensatory hypertrophy, medullary mineral and mild hydronephrosis.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

This patient may be passing small amounts of mineral, primarily from the right kidney, into the urinary bladder. No overt evidence of current right ureter obstruction. Secondary pelvic scarring, secondary to mineral passage or chronic renal changes with potential for chronic right kidney pyelonephritis possible. Full urinary work up including monitoring of urinalysis, screening culture/sensitivity and UPC level if noninflammatory urine proteinuria is recommended. No evidence of upper or lower urinary tract neoplastic criteria. Sonographic monitoring of the mild right kidney hydronephrosis for evidence of progression is indicated. Renal support including CKD therapy with monitoring of renal parameters, systemic BP and as needed gastrointestinal support is recommended.



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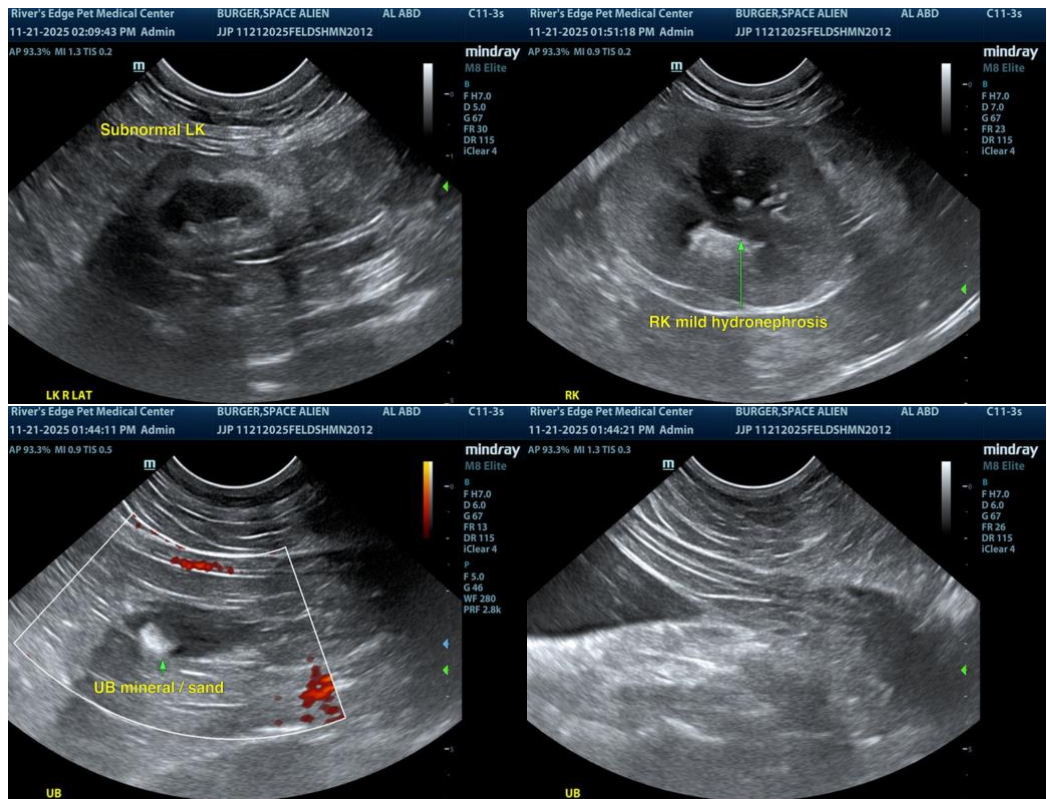
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

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