



**PATIENT PRESENTING CLINICAL SIGNS**

**Gabana Vazquez**  
**SPECIES**  
 Canine

History: Gabana presented as a 3rd opinion for evaluation of urinary incontinence. The urinary incontinence has been present since O acquired the patient as a young puppy about 4 months ago (around 3 months of age). O noticed wetness on the beddings where Gabana sleeps and some dribbling during the day. O does not report any evidence of polydipsia. Pt was previously treated with a UTI diagnosed by urine culture that grew E. coli. Pt apparently was treated, but only for 2 weeks course of oral antibiotics about 3 weeks ago.

**BREED**  
 French Bulldog

Abnormal PE/Chem/CBC/UA Results: The PE did not show any major abnormalities except for mild recess vulva. Some minimal urine dribbling was noticed on the vulva, but noticed incontinence as pt voided urine constantly while Owners hold Gabana. Blood Work: CBC: Lymphocytes: 7.47 (1.05-5.10) , Rest of the CBC was normal with NO anemias or elevated WBC. Chemistry: SDMA: 22 mcg/dL (0-14) Creatinine: 2.0 mg/dL (0.5-1.8) BUN: 30 mg/dL (7-27) Chloride: 123. (109-122) Phos: wnl but high range 6.5 (2.6-6.8) Rest of Chemistry wnl U/A: Urine specific gravity. 1.009 Complete u/a is pending Urine culture: Pending

**SEX**  
 Intact Female

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**AGE Urinary system**

7 Months

There is an intramural ureter detected caudal to the trigone best seen in the sagittal views running over a short distance caudally. The displayed inflow of urine is diffuse directly adjacent to the cysto-urethral junction. The urinary bladder and pelvic urethra present normal findings without evidence of uroliths or sediment.

**INTERPRETED BY**

Sebastian Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging

Both kidneys impress with a complete loss of corticomedullary detail and a highly heterogeneous texture. Renal surface is bilaterally irregular, multiple hyperechoic wedge-shape cortical areas are recognized.

**HOSPITAL NAME**

Paseos VC

Both renal pelvises are significantly distended. The left ureter is thickened and can be traced far caudally.

**Reproductive tract**

**REFERRING VET**  
 The uterus and ovaries are inconspicuous.

Dr. Gabriel Ferrer, DVM

**Adrenal glands**

Both adrenal glands are normal.

**INVOICE**

13598

**Spleen**

The spleen is inconspicuous in terms of size, surface and echotexture.

**DATE**

10/8/21



**PATIENT** **Liver/Gallbladder**

Gabana Vazquez

Liver images are inconspicuous. Echotexture, size and vasculature appear regular. There is no evidence of nodular or focal changes.

**SPECIES**

Canine

The gallbladder and wall are unremarkable without signs of relevant sludge, a florid process or cholestasis.

**Gastrointestinal**

**BREED**

French Bulldog

The stomach, the small intestine and colon present intact wall layers being normal in width and echogenicity. Adjacent mesentery and fat tissue are of normal appearance.

Mesenteric lymph nodes are inconspicuous in shape and periphery.

**SEX**

**Pancreas**

Intact Female

All pancreatic parts displayed show isoechoic echogenicity to the surrounding omental fat. Signs of inflammatory changes or focal lesions are missing.

**AGE**

**Free Abdomen**

7 Months

No peritoneal or retroperitoneal effusion is noted.

Abdominal fat and great vessels show no pathological findings.

**INTERPRETED BY**

Sebastian Jawinski,  
German Board  
Certified Vet Specialist  
in Diagnostic Imaging

**ULTRASONOGRAPHIC FINDINGS**

- Bilateral, severe nephropathy, pelvic dilation and multiple cortical infarcts
- Questionable unilateral ureter ectopy

**HOSPITAL NAME**

Paseos VC

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Ultrasonographic findings of both kidneys represent advanced/end stage kidney disease from a sonographic point of view. The morphologic changes speak for severe nephropathy presenting congenital and/or acquired renal disease, or both. The pelvic dilation and the thickened ureter are suspicious for (secondary) and chronic inflammation. Differentials such as congenital renal dysplasia, juvenile nephropathy and chronic/severe infection are common and possible.

**REFERRING VET**

Dr. Gabriel Ferrer,  
DVM

Urinary testing is recommended (cystocentesis for culture, sediment, UPC; pyelocentesis if inconclusive) and may isolate a specific bacterial infection. Consider renal diet, therapy of incontinence and proteinuria if present.

**INVOICE**

13598

**DATE**

10/8/21



**PATIENT**

Gabana Vazquez

The suspected intramural unilateral ureter is an indirect sign for a low-grade ectopy. The diffuse urine inflow would go along with that. An abnormal peristalsis of the ureter is not recognized. I assume the pelvic dilation to be not an obstructive issue, but ectopy may cause incontinence. Ectopy cannot explain the severe and bilateral renal changes in this case.

**SPECIES**

Canine

As far as can be assessed prognosis is bad since the morphologic changes are severe.

**BREED**

French Bulldog

**SEX**

Intact Female

**AGE**

7 Months

**INTERPRETED BY**

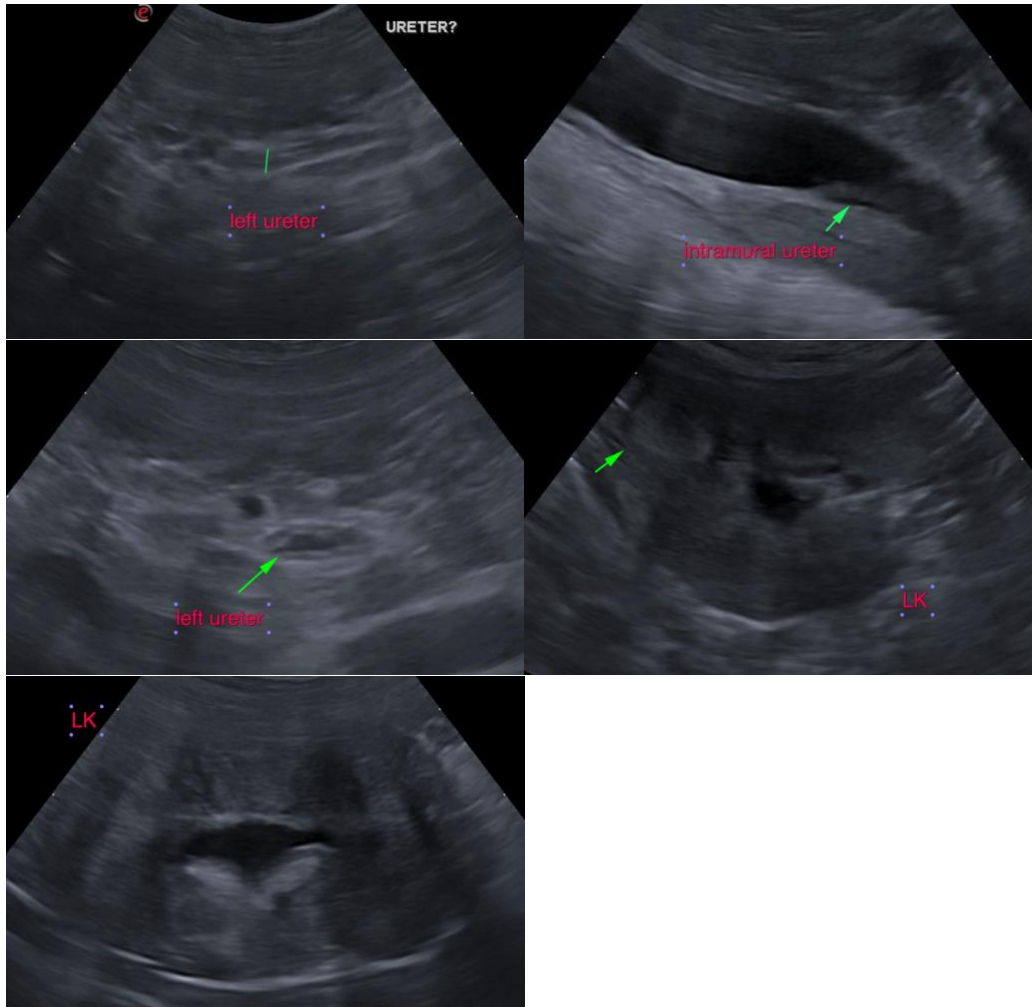
Sebastian Jawinski,  
German Board  
Certified Vet Specialist  
in Diagnostic Imaging

**HOSPITAL NAME**

Paseos VC

**REFERRING VET**

Dr. Gabriel Ferrer,  
DVM



**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.**

**INVOICE**

13598

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.

**DATE**

10/8/21



**PATIENT**

Gabana Vazquez  
Sebastian Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging  
info@sonopath.com

**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

Intact Female

**AGE**

7 Months

**INTERPRETED BY**

Sebastian Jawinski,  
German Board  
Certified Vet Specialist  
in Diagnostic Imaging

**HOSPITAL NAME**

Paseos VC

**REFERRING VET**

Dr. Gabriel Ferrer,  
DVM

**INVOICE**

13598

**DATE**

10/8/21