



PATIENT

Ella Dittavong

SPECIES

Canine

BREED

Pug

SEX

FS

AGE

12yr

WEIGHT

20lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Jessica Boudreaux-
Milligan DVM

HOSPITAL NAME

Dockside Veterinary
Imaging

REFERRING VET

Dawn Morgan-Winter,
DVM

INVOICE

23134

DATE

12/5/2025

PRESENTING CLINICAL SIGNS

Low PTH. R/o hyperparathyroidism, primary

Abnormal PE/Chem/CBC/UA Results: Please see attached records.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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

Normal appearance of the trigone area, proximal urethra, and iliac blood vessels.

Normal appearance and size of the iliac lymph nodes. Ureters not visualized, which can be considered a normal finding.

Normal renal size, architecture, echogenic appearance, cortico-medullary differentiation, which maintains a 1:3 cortex to medulla ratio, pelvis, and capsule. No infarcts, mineralization or renoliths evident.

The left kidney measured 3.6 cm in length.

The right kidney measured 4.3 cm in length.

Adrenal Glands

Normal shape, echogenic appearance, size, position, and appearance of the visible peri-renal vasculature.

The left adrenal gland measured 0.37 cm in width.

The right adrenal gland measured 0.48 cm in width.

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma and regular curvilinear capsule. Normal volume of the splenic vasculature without any overt congestion or thrombosis evident. No inflammatory, neoplastic, infarction, or infiltrative changes evident.

Liver

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Normal appearance of the hepatic and portal vasculature.

Gallbladder

Full containing small amount of non-adhered hyperechogenic sediment. Normal thickness and echogenic appearance of the wall. Normal size and appearance of the cystic and common bile duct.

Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, 1:3 muscularis to mucosa ratio, normal wall thickness and peristaltic activity, and no distension of the lumen.



PATIENT

Ella Dittavong

SPECIES

Canine

BREED

Pug

SEX

FS

AGE

12yr

WEIGHT

20lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Jessica Boudreaux-
Milligan DVM

HOSPITAL NAME

Dockside Veterinary
Imaging

REFERRING VET

Dawn Morgan-Winter,
DVM

INVOICE

23134

DATE

12/5/2025

Pancreas

Normal size and echogenic appearance of the visualized pancreas. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

Normal mesenteric lymph nodes.

No ascites evident.

Thyroid glands: normal appearance and size of the thyroid glands, the parathyroid glands were not visualized.

ULTRASONOGRAPHIC FINDINGS

- In essence, a normal ultrasound examination of the abdomen, the gallbladder sediment can be considered an incidental finding.
- On this ultrasound, there is no obvious etiology for the hypercalcemia. With the hypercalcemia and the low PTH, primary hypoparathyroidism has been excluded, with differential diagnoses for the hypercalcemia being hypercalcemia of malignancy and possibly idiopathic hypercalcemia.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Further assessment would be PTH-RP assay, and if elevated, then further assessment would be three view thoracic radiographs and FNA cytology of the spleen and peripheral lymph nodes.

If however, the PTH-RP is normal, then the most likely diagnosis would be idiopathic hypercalcemia. Specific therapy would be dependent on an etiological diagnosis.



PATIENT

Ella Dittavong

SPECIES

Canine

BREED

Pug

SEX

FS

AGE

12yr

WEIGHT

20lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Jessica Boudreaux-
Milligan DVM

HOSPITAL NAME

Dockside Veterinary
Imaging

REFERRING VET

Dawn Morgan-Winter,
DVM

INVOICE
23134

DATE
12/5/2025



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)

info@sonopath.com