



PATIENT PRESENTING CLINICAL SIGNS

Argo Savard History: Progressive elevation in UPC. Hypertension – on telmisartan.

SPECIES Physical Examination: Hypertension.

Canine Previous Urinalysis: SG 1.025, proteinuria.

BREED Previous CBC: Mild neutrophilia and monocytosis.

Golden Retriever Previous Serum Biochemistry: Hypoalbuminemia, hyperglobulinemia.

Radiographic Findings: N/A.

SEX

Male

AGE

9 years

WEIGHT

35 kg

INTERPRETED BY

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

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness and appearance 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, echogenic appearance, cortico-medullary differentiation, pelvis and capsule.

Reproductive System

Prostamegaly with a mottled echogenic appearance, smooth regular capsule, and normal appearance of the peri-prostatic tissue. Normal appearance of the testes.

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Dr Evan Bell

Adrenal Glands

Normal shape, echogenic appearance, size, and position.

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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.

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Liver

Normal size, echogenic appearance, and portal markings. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal appearance and thickness 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*

Argo Savard Normal size with a diffuse hyperechogenic appearance and irregular capsule. Focal hyperechoic parenchymal nodule (0.6 x 1.1 cm). Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES

Canine *Free Abdomen*

BREED

No mesenteric lymphadenomegaly.
No ascites.

Golden Retriever

ULTRASONOGRAPHIC FINDINGS

SEX

Primary Findings:

Male

- Pancreatic fibrosis.
- Pancreatic nodule.

AGE

9 years

Secondary Findings:

- Prostategaly.

WEIGHT

35 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The most likely etiology for the pancreas would be fibrosis with chronic pancreatitis a differential diagnosis.

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Etiologies for the pancreatic nodule would be incidental finding, granuloma, resolved abscess, and emerging neoplasia.

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The appearance of the prostate is consistent with age-related benign prostatic hyperplasia.

Further assessment that can be considered would be cPL/PSL assay.

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On this ultrasound there is no obvious reason for the hypertension (renal disease, adrenomegaly, adrenal mass). Thus, the most likely etiology for the hypertension would be primary or essential hypertension with secondary glomerulonephritis and protein losing nephropathy. Management would be to continue with the telmisartan and to add amlodipine.

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PATIENT IMAGES

Argo Savard **Prostate**

SPECIES

Canine

BREED

Golden Retriever

SEX

Male

AGE

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WEIGHT

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Pancreas



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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.

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