



PATIENT PRESENTING CLINICAL SIGNS

George Panerio CT scan, angiography, skin tag removal 06.02.2026
Cholecystectomy 10/10/2024
Elevated liver enzymes

SPECIES Bilateral adrenomegaly (right>left)
Liver biopsy 2/6/2025 - Glycogen type vacuolar hepatopathy: mild portal venous hypoperfusion
Canine Abnormal PE/Chem/CBC/UA Results: Elevated liver enzymes on in house lab work (ALT & ALP)

COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN

BREED Plain and post contrast studies are available for review.
Havanese Mix

COMPUTED TOMOGRAPHIC FINDINGS

SEX The liver is normal in size, contour and attenuation. No focal hepatic lesions are identified. The negative findings may support the presence of diffuse hepatic parenchymal disease. A small metallic clip is present within the portal hilar region consistent with prior surgical intervention. No associated abnormalities are identified. The gallbladder is surgically absent. Small calculi are seen within the biliary ducts intra-hepatically without evidence of obstruction.
MN

AGE Within the pyloric antrum there is a well-defined rectangular foreign object measuring ~ 20 by 15 by 10 mm. The structure demonstrates mixed soft tissue and mineral attenuation and may represent ingested plastic, rubber or wood containing material or other partially mineralized foreign body. No evidence of gastric perforation or mural compromise is seen. Partial obstruction of the gastric outlet may be present.
8yr

INTERPRETED BY

Nele Eley (Ondreka), DVM Dr. med. vet., DipECVDI
Both adrenal glands are moderately enlarged. The left adrenal gland measures ~ 9 and 9 mm in diameter at both poles. The right adrenal gland measures 13 and 14 mm in pole diameters. No discrete masses, mineralizations or vascular invasion are seen.

HOSPITAL NAME

Both kidneys are normal in size and shape. Mild multifocal small cystic changes are present. There is a bilateral medullary rim sign.

CARE SURGERY CENTER

The spleen, pancreas and intestinal tract present within normal limits.

No abdominal lymphadenopathy or free fluid is seen.

REFERRING VET

Dr Parkinson

COMPUTED TOMOGRAPHIC DIAGNOSIS

INVOICE

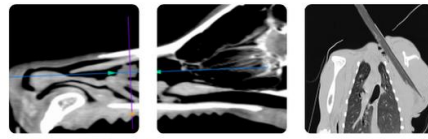
25003

- Rectangular partially mineral attenuating intragastric foreign body within the pyloric antrum
- Moderate bilaterally symmetric generalized adrenomegaly
- Mild bilateral renal cortical cystic changes
- Post-operative changes consistent with prior cholecystectomy
- Small non-obstructive biliary calculi
- Suspect diffuse parenchymal hepatic disease

DATE

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

06/02/2026 The gastric foreign object does not cause complete outflow obstruction, however the possibility of



PATIENT

intermittent or partial obstruction depending on the nature and mobility of the object should be considered.

George Panerio

SPECIES

Canine

The bilateral adrenal enlargement appears diffuse and symmetric without formation of a discrete mass. Adrenal hyperplasia such as in pituitary hyperadrenocorticism is a primary differential diagnosis. Chronic stress-related adrenal enlargement or less likely early adrenal disease cannot be ruled out entirely.

BREED

Havanese Mix

Diffuse hepatic parenchymal disease is considered likely in this patient which may involve the biliary system. Small non-obstructive intrahepatic biliary calculi are present occasionally without evidence of intra- or extrahepatic dilation of the biliary system. Steroid-induced hyperplasia should be considered a possible underlying cause of the hepatic enzyme elevation as well.

SEX

MN

AGE

8yr

INTERPRETED BY

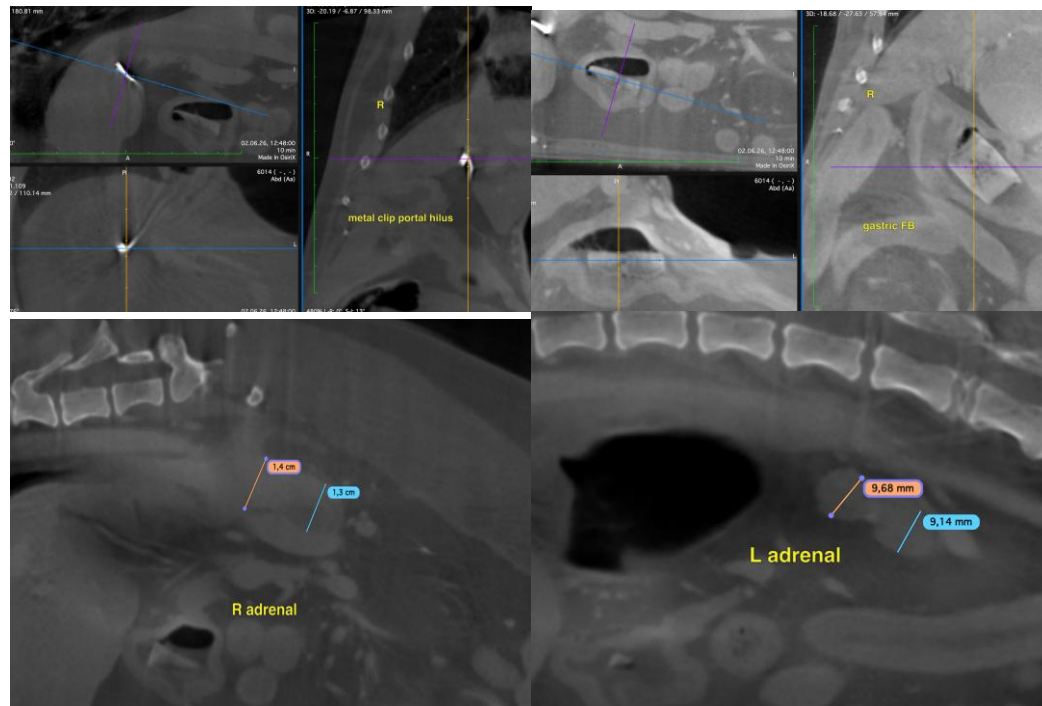
Nele Eley (Ondreka),
DVM Dr. med. vet.,
DipECVDI

HOSPITAL NAME

CARE Surgery Center

REFERRING VET

Dr Parkinson



INVOICE

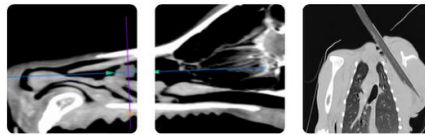
25003

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.

DATE

06/02/2026

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.



PATIENT

George Panerio
Nele Eley (Ondreka), DVM, Dr. med. vet., DipECVDI
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,
Senior lecturer University of Giessen/Germany, Veterinary Faculty, Department of Radiology.
info@sonopath.com

SPECIES

Canine

BREED

Havanese Mix

SEX

MN

AGE

8yr

INTERPRETED BY

Nele Eley (Ondreka),
DVM Dr. med. vet.,
DipECVDI

HOSPITAL NAME

CARE Surgery Center

REFERRING VET

Dr Parkinson

INVOICE

25003

DATE

06/02/2026