



PATIENT PRESENTING CLINICAL SIGNS

Gracie Thompson 2-3 weeks of bloating. Acute onset of abdominal effusion and lethargy. Eating normally. Severe abdominal effusion, suspect modified transudate CT scan performed for assessment Drained 5L of fluid post scan

SPECIES Abnormal PE/Chem/CBC/UA Results: Blood work - hyperproteinaemia, mild inflammatory response, otherwise normal

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN

BREED A high-resolution pre- and post-contrast CT study of the abdomen is provided for review. Totalling 3 series. One pre-contrast series soft tissue algorithm, one pre-contrast series bone algorithm and one post-contrast CT series soft tissue algorithm.

Bulldog

COMPUTED TOMOGRAPHIC FINDINGS

SEX A large amount of homogeneously hypoattenuating fluid material is widely dispersed within the peritoneal cavity, with prominent collections ventrally, surrounding the small intestine and spleen.

Female Entire

AGE The right ovary is enlarged, has an irregular contour, is mass-like, and is heterogeneously enhanced, with multiple cysts, microcysts, and septations. The mass measures approximately 9.5cm x 7.4cm x 6.3cm. The left ovary is normal in size, shape, and attenuation.

4 Years

The cervix, uterine body, and uterine horns are enlarged, with thickened wall and mildly hypoattenuating intraluminal content. The uterine body measures approximately 3.1cm in diameter, the right uterine horn measures approximately 2.2cm in diameter, and the left uterine horn measures approximately 1.5cm in diameter.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

The urinary bladder is moderately filled with hypoattenuating content and a pinpoint mineral focus ventrally. The bladder wall is ventrally diffusely thickened, measuring 0.9cm, and has external serosa irregularities.

HOSPITAL NAME

Colyton Veterinary Hospital

The kidneys are asymmetrical in size and have a mildly irregular contour. There is an ill-defined, hypoattenuating defect in the cortical area of the right kidney, cranial pole. There are a few linear and triangular hypoattenuating defects in the cortex of the left kidney.

The ureters are inserted in the trigone with minimal dilatation; however, no radiopaque calculi are seen.

REFERRING VET

Dalton Nguyen

The medial iliac lymph nodes are unremarkable.

The liver, spleen, and adrenal glands are normal.

Except for a cardia displacement into the thoracic cavity, the gastrointestinal tract is unremarkable.

INVOICE

58102

There is subcutaneous soft tissue fat stranding on the caudoventral abdominal wall.

The mammary glands are mildly enlarged.

DATE

5-2-23

The inguinal lymph nodes are mildly enlarged.



PATIENT

Gracie Thompson

Multiple thoracic and thoracolumbar vertebral bodies are variably wedge-shaped with spondylosis deformans, narrowing of the intervertebral disc space, and mild dorsal and ventral undulation to the spinal canal.

SPECIES

Canine

On the collimated thorax, the lung lobes are reduced in volume expansion, and diffuse ground glass attenuation and parenchymal bands are seen.

COMPUTED TOMOGRAPHIC DIAGNOSIS

BREED

Bulldog

- Right ovary irregularly contoured mixed attenuation mass. Differential diagnosis includes neoplasms, for example, adenocarcinoma, cystadenoma, undifferentiated carcinoma, or others.
- Enlarged cervix, uterus body, and horns. The differential diagnosis includes mucometra, hemometra, or pyometra.

SEX

Female Entire

- Large amount of peritoneal effusion. The differential diagnosis includes modified transudate, inflammatory peritonitis or correlated to the neoplasm process due to carcinomatosis.
- Bilateral renal infarcts. The differential diagnosis for the hypoattenuating defect in the right cranial pole includes a large infarct, hematoma, or less likely metastatic disease.
- Ventral thickening of the bladder wall and serosa irregularities, the differential diagnosis includes chronic cystitis, inflammatory serosa, or carcinomatosis. Intraluminal microlithiasis and sediments

AGE

4 Years

- Mild bilateral pyelectasis and bilateral urethritis
- Hiatal hernia, incidental
- Multiple congenital vertebral anomalies (hemivertebra) are commonly seen in this breed.
- Chronic disc disease and spondylosis deformans, as a consequence, mild scoliosis, kyphosis, and lordosis in the alignment of the spine are seen.
- Diffuse pulmonary attenuation with reduced volume expansion is a differential diagnosis for passive atelectasis; however, infiltrative metastatic disease cannot be excluded as a differential diagnosis.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATION

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A right-side ovary mass is identified. The association of the findings— large amount of peritoneal free fluid—with the mass is likely correlated and indicates a neoplasm. A biopsy is required for the diagnosis. A cytologic evaluation of the peritoneal effusion is suggested if not performed. Usually, an enlarged uterus is seen with an ovary mass, because of the hormonal irregularities. The ovary mass could be functional or not. An exploratory laparotomy and ovariohysterectomy are suggested for the next approach.

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PATIENT

Gracie Thompson

SPECIES

Canine

BREED

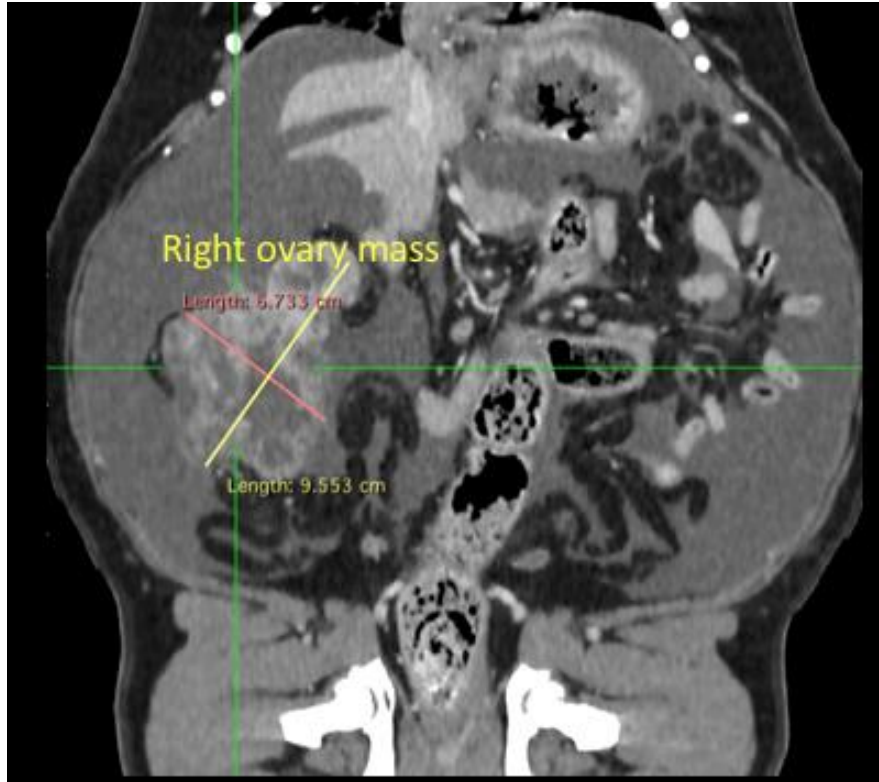
Bulldog

SEX

Female Entire

AGE

4 Years



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HOSPITAL NAME

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Hospital

REFERRING VET

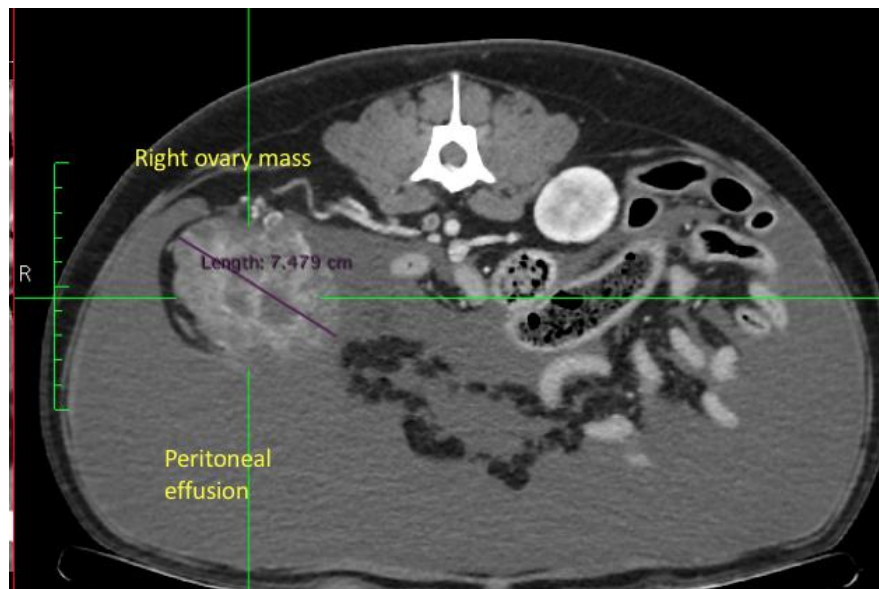
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PATIENT

Gracie Thompson

SPECIES

Canine

BREED

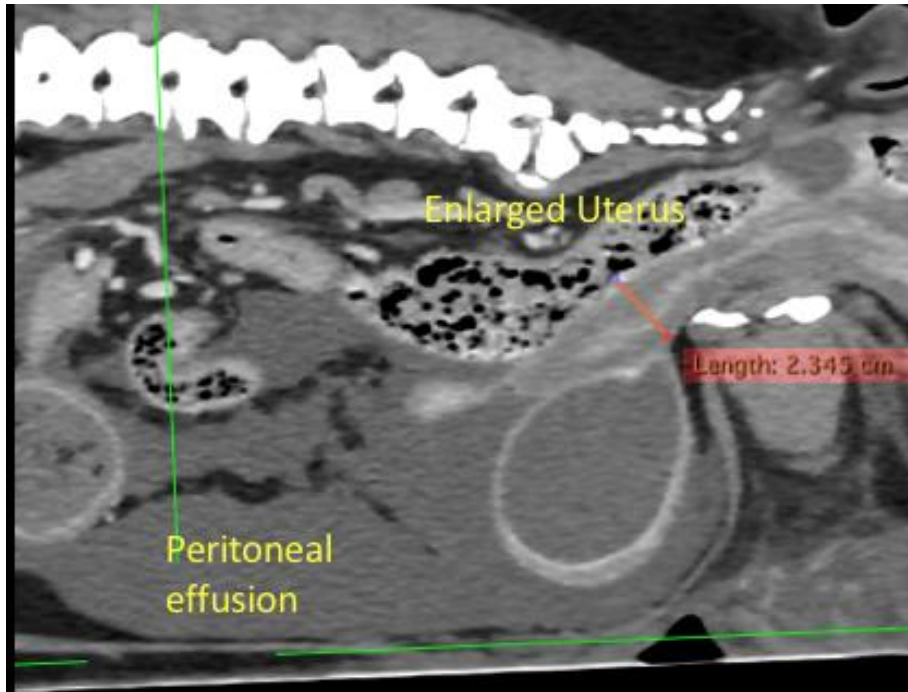
Bulldog

SEX

Female Entire

AGE

4 Years



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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.

HOSPITAL NAME

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