



PATIENT PRESENTING CLINICAL SIGNS

Smokey Wilkie History: Polyuria, stranguria. Owner uses topical estrogen cream.

SPECIES Physical Examination: Prostamegaly, mammary gland development, enlarged prepuce with small thin penis.

Canine Urinalysis: SG 1.050, trace protein, 1+ bilirubin.

BREED CBC: Normal.

Yorkshire terrier Serum Biochemistry: Normal.

Previous Radiographic Findings: Normal.

SEX

MN

AGE

2 years

WEIGHT

11.2 #

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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 (left 4 cm, right 4.4 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

Reproductive System

Prostamegaly (2 x 2.3 cm) with a normal shape, echogenic appearance, and smooth regular curvilinear capsule. Normal appearance of the peri-prostatic tissue.

Adrenal Glands

Normal shape, echogenic appearance, position, and size. Left 0.86 x 0.36 cm, right 1.1 x 0.45 cm.

Spleen

Normal size and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

Liver

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

Gastrointestinal

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.

IMAGING PERFORMED BY

Dr Megan Cassels-Conway,
DVM

HOSPITAL NAME

Central Broward Animal
Hospital

REFERRING VET

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INVOICE

303451

DATE

10/2/22



PATIENT *Pancreas*

Smokey Wilkie Normal size and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine No mesenteric lymphadenomegaly.
No ascites.

BREED

Yorkshire terrier

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Prostatemegaly.

SEX

MN

Secondary Findings:

- None.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

With the history, feminization of the patient, and the ultrasound appearance of the prostate despite being neutered, exposure to estrogens would be the most likely diagnosis.

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Further assessment that could be considered would be serum estrogen assay.

Specific therapy would be to stop exposure (licking and/or dermal contact) with the estrogen cream.

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PATIENT IMAGES

Smokey Wilkie **Prostate**

SPECIES

Canine

BREED

Yorkshire terrier

SEX

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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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