



**PATIENT PRESENTING CLINICAL SIGNS**

Milo Engineer  
 Difficulty breathing, rales on auscultation  
 Abnormal PE/Chem/CBC/UA Results: pending

**SPECIES RADIOGRAPHIC STUDY OF THE THORAX & ABDOMEN**

Canine  
 An overview study including the thorax & abdomen in a right lateral projection is provided for review.

**BREED RADIOGRAPHIC FINDINGS**

Mini Pin  
Thorax  
 Generalized decreased radiopacity of the skeletal structures is seen.

**SEX**  
 Male  
 The costal cartilages present moderate degenerative changes. At the caudal aspect of one humeral head, mild osteophyte new bone formation is noted.

Mild linear mineralization of the subcutaneous tissue along the thoracic and lumbar spine is seen.

The caudal contour of the cardiac silhouette is steep, and the caudal cardiac waist is lost. The pulmonary vasculature is within normal limits.

**AGE**  
 12 Years  
 The trachea is normal in diameter and presents the anticipated course. The luminal outline of the trachea is smooth.

**INTERPRETED BY**  
 Sebastian Schaub, DVM  
 Dr. med. vet. DipECVDI  
 The lung parenchyma presents a generalized ground glass opacity with a cloudy opacity of the cranioventral aspects of the lung parenchyma.

The diaphragm is well delineated with even surface and the expected mild cranial bulging of the diaphragmatic cupola.

**HOSPITAL NAME Abdomen**

New Bridge  
 Veterinary Practice  
 No abnormalities of the extraabdominal soft tissues are noted. The abdominal wall is smooth and thin.

The serosal detail is maintained throughout the peritoneal and retroperitoneal space.

**REFERRING VET**  
 Dr. Abina Glennon  
 The hepatic volume is significantly increased the liver is protruding beyond the costal arch; the gastric axis is deviated caudally. The caudoventral aspects of the liver present convex borders.

The spleen cannot be delineated in the lateral view.

**INVOICE**  
 53070  
 The kidneys cannot be clearly defined.. The urinary bladder is in its anticipated position. A mineral opaque body is seen cranial to the os penis, measuring 1.5 mm in size.

The small intestinal loops are of even diameter and non-dilated, a small amount of gas is seen within the small intestinal loops and considered within normal limits.

**DATE**  
 7-25-22  
 The colon is seen in the expected position and presents with appropriate content.



**PATIENT RADIOGRAPHIC DIAGNOSIS**

Milo Engineer

- Moderate unstructured interstitial lung pattern, accentuated in the cranioventral lung field
- Significant hepatomegaly with convex margins
- Possible calcinosis cutis

**SPECIES**

Canine

- Suspect small cystolith level with the glans penis or prepuce versus superimposed dystrophic mineralization small pebble
- Mild left sided cardiomegaly without signs of decompensation – suspect underlying myxomatous mitral valve degeneration
- Generalized osteopenia

**BREED**

Mini Pin

- Degenerative osteoarthritis one shoulder joint

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SEX**

Male

The unstructured interstitial lung pattern can be accentuated by the nutritional status and age related changes of the lung parenchyma. However, in combination with the cranioventrally accentuated cloudy opacification of the lung parenchyma, the odds for active pneumonitis/pneumonia are high. Other potentials would include fibrosis, systemic disease (e.g. pancreatitis, IMHA, renal disease), neoplasia.

**AGE**

12 Years

Potentials for the hepatomegaly include metabolic hepatic disease/steroid induced hepatopathy, hepatitis or neoplastic infiltration, the latter can be supported by the convexity of the caudoventral margins. Ultrasound including FNA sampling can be used as minimally advanced diagnostic tests.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The suspected calcinosis cutis can be a sequela to hyperadrenocorticism

The osteopenia can be an age related finding, sequela to hyperadrenocorticism or renal disease.

**HOSPITAL NAME**

New Bridge  
Veterinary Practice

**REFERRING VET**

Dr. Abina Glennon

**INVOICE**

53070

**DATE**

7-25-22



**PATIENT**

Milo Engineer

**SPECIES**

Canine

**BREED**

Mini Pin

**SEX**

Male

**AGE**

12 Years

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

**HOSPITAL NAME**

New Bridge  
Veterinary Practice

**REFERRING VET**

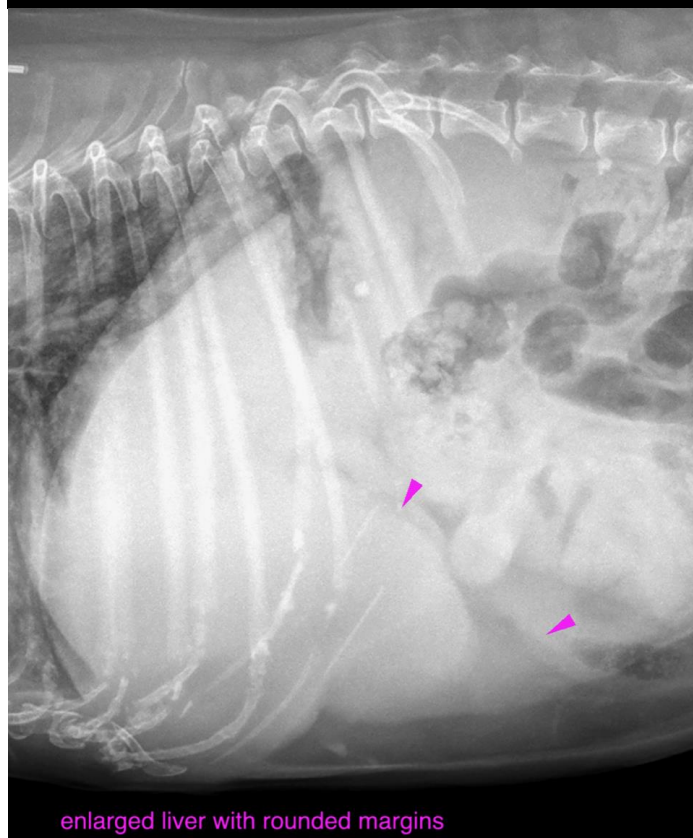
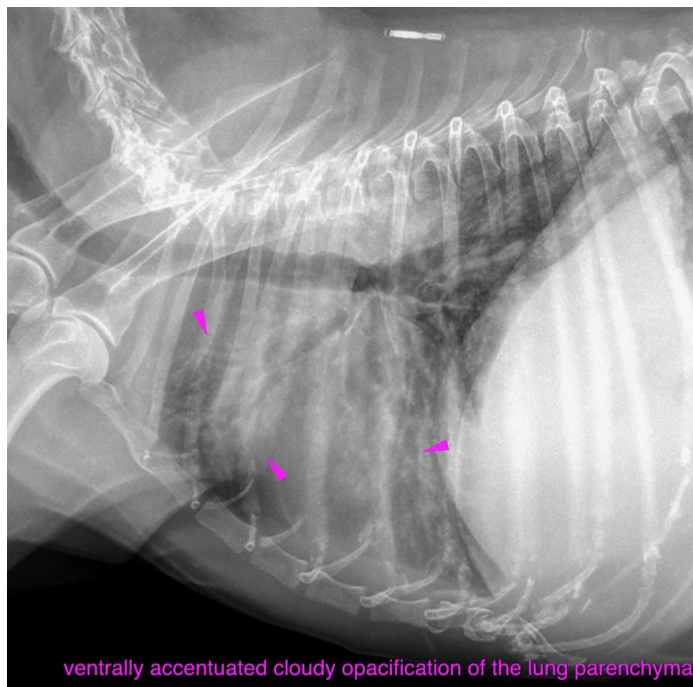
Dr. Abina Glennon

**INVOICE**

53070

**DATE**

7-25-22





**PATIENT**

Milo Engineer

**SPECIES**

Canine

**BREED**

Mini Pin

**SEX**

Male

**AGE**

12 Years

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

**HOSPITAL NAME**

New Bridge  
Veterinary Practice

**REFERRING VET**

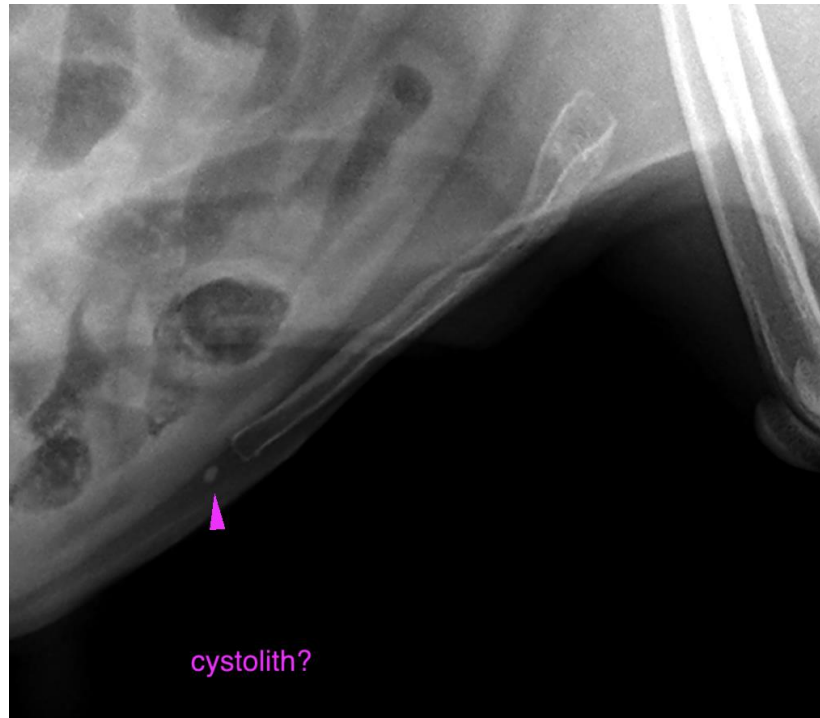
Dr. Abina Glennon

**INVOICE**

53070

**DATE**

7-25-22



The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
sebast.schaub@gmail.com