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Doctor: Hiss	Date: September 17, 2008
Clinic: Bat World Sanctuary 217 N. Oak Avenue Mineral Wells, TX 76067	Access: V086952-7 Species: Mammal Breed: Eptesicus fuscus Sex: Female Name: BB Orphan
ISIS: 2008-orphan BB	Age: 3 Months Type: Tissue charge 4

CLINICAL INFORMATION

Found in pain with blood from urogenital opening. At necropsy, a stone was present in the bladder, and the gallbladder appeared to be abnormal.

MICROSCOPIC

Submitted are several sections of tissue.

Liver: No lesion recognized. No gallbladder tissue is seen.

Urinary bladder: There is inflammation present within the submucosa with some extension into superficial smooth muscle. Neutrophils and lymphocytes are noted.

Lung: Diffuse congestion is present.

Kidney: The renal pelvis is minimally dilated.

DIAGNOSIS

- 1) **DIFFUSE SUBACUTE TO CHRONIC CYSTITIS – URINARY BLADDER**
- 2) **DIFFUSE MILD TO MODERATE CONGESTION – LUNG**
- 3) **MINIMAL HYDRONEPHROSIS - KIDNEY**

COMMENT

The cause of the urinary bladder stone in an animal this young is not determined. It certainly could be related to some sort of dietary problem; however, if so, I am not aware of any research on this problem in bats. No gallbladder tissue was present, and I cannot comment on the grossly noted change. We will check the wet tissue to see if there may be additional sections that can be made that would have gallbladder present. The cystitis noted is certainly consistent with the possibility of bladder stones, and the hydronephrosis may indicate that there was some backup of urine present.

ADDENDUM (09-23-08)

The tissues remaining in the jar have been recut to attempt to identify the gallbladder. These sections are of kidney with one small section of liver. Gallbladder is not definitively identified.

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RES:br*

Q KW urinary, inflammatory