Doctor: Hiss
Clinic: Bat World Sanctuary
       217 N. Oak Avenue
       Mineral Wells, TX 76067
ISIS: 2008-orphan BB

Date: September 17, 2008
Access: V086952-7
Species: Mammal
Breed: Eptesicus fuscus
Sex: Female
Name: BB Orphan
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.

ROBERT E. SCHMIDT, DVM, PhD
Diplomate, American College
of Veterinary Pathologists
Q KW urinary, inflammatory