

CASE NUMBER: 04F-64-P3-20

DATE: July 31, 2004

**HISTOPATHOLOGY:**

Slide 14, P3-20-1:

There are no significant lesions within the liver, kidney, heart, spleen, adipose tissue, small intestine, peripheral vasculature, pancreas, or peripheral nerves.

Slide 15, P3-20-2:

There are no significant lesions within the liver, kidney, heart, spleen, adipose tissue, peripheral vasculature, pancreas, or peripheral nerves.

Slide 16, P3-20-3:

1). Liver, hepatocytes: Degeneration and necrosis, moderate, multifocal, random, acute

There are no significant lesions within the kidney, heart, spleen, adipose tissue, peripheral vasculature, pancreas, or peripheral nerves.

Slide 17, P3-20-4:

There are no significant lesions within the inter-renal tissue, liver, kidney or heart.

Slide 18, P3-20-5:

There are no significant lesions within the liver, kidney, heart, spleen, adipose tissue, peripheral vasculature, pancreas, or peripheral nerves.

Slide 19, P3-20-6:

There are no significant lesions within the liver, kidney, heart, spleen, adipose tissue, peripheral vasculature, pancreas, or peripheral nerves.

Slide 20, P3-20-7:

1). Kidney: Nephritis, interstitial, diffuse, mild, granulomatous, chronic

There are no significant lesions within the liver, heart, spleen, peripheral vasculature, pancreas, or peripheral nerves.

Slide 21, P3-20-8:

There are no significant lesions within the skeletal muscle, liver, kidney or heart.

Slide 22, P3-20-9:

1). Heart, spongy ventricle: Endocarditis, moderate, diffuse, lymphohistiocytic, subacute with reactive endocardia

There are no significant lesions within the liver, kidney, spleen or peripheral nerves.

Slide 23, P3-20-10:

There are no significant lesions within the liver, kidney, heart, spleen, peripheral

vasculature, corpuscle of Stannius, or peripheral nerves.

Slide 24, P3-20-11:

- 1). Liver: Hepatitis, marked, multifocally extensive, necrogranulomatous with central cavitation and intrahistiocytic coccobacilli
- 2). Heart, endocardium: Hypertrophy and hyperplasia, moderate, multifocal, subacute (reactive change)
- 3). Kidney: Nephritis, interstitial, moderate, diffuse, granulomatous, chronic
- 4). Spleen: Lymphoid depletion, moderate, diffuse

There are no significant lesions within the peripheral vasculature, corpuscle of Stannius, or peripheral nerves.

Slide 25, P3-20-12:

- 1). Kidney: Nephritis, interstitial, focal, mild, granulomatous, chronic with mineral deposition

There are no significant lesions within the liver, heart, spleen, peripheral vasculature, pancreas, or peripheral nerves.

Slide 26, P3-20-13:

There are no significant lesions within the skeletal muscle, liver, kidney or heart.

Slide 27, P3-20-14:

There are no significant lesions within the skeletal muscle, liver, kidney or heart.

#### COMMENTS:

In 5 of 14 sections, there is predominantly localized and more rarely multisystemic inflammatory infiltrate which presumably would have contributed mildly to moderately to antemortem morbidity. Based on the nature of the inflammatory infiltrate, a chronic bacterial infection, possibly bacterial kidney disease, is a consideration. If fresh tissue is available follow up bacterial culture, IFA, ELISA, or PCR for confirmation may be considered. The acute hepatocellular degeneration and necrosis in slide 16 may be due to toxic, metabolic, hypoxic, infectious and other disease processes. The lack of attendant change within the spleen or kidney tends to discount an infectious process.

**\*FINAL REPORT\***