

CASE NUMBER: 04F-64-A3.3-32

DATE: July 31, 2004

**HISTOPATHOLOGY:**

Slide 53, A3.3-32-1:

- 1). Liver, sinusoids: fibrin deposition, mild, multifocal, random, acute

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

Slide 54, A3.3-32-2:

- 1). Liver: Hepatitis, portal, moderate, multifocal, lymphoplasmacytic, chronic
- 2). Kidney, hematopoietic tissue: Hyperplasia, lymphomyeloid, moderate, diffuse

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

Slide 55, A3.3-32-3:

- 1). Liver, sinusoids: Fibrin deposition, mild, multifocal, random, acute
- 2). Kidney, hematopoietic tissue: Hyperplasia, lymphomyeloid, moderate, diffuse

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

Slide 56, A3.3-32-4:

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

Slide 57, A3.3-32-5:

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

Slide 58, A3.3-32-6:

- 1). Heart: Myocarditis, moderately severe, diffuse, granulomatous, chronic and necrotising
- 2). Kidney: Nephritis, interstitial, moderate, multifocal, granulomatous, chronic with lymphomyeloid hyperplasia
- 3). Spleen, ellipsoids: Histiocytosis, moderate, diffuse with lymphoid depletion

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

Slide 59, A3.3-32-7:

- 1). Kidney: Nephritis, interstitial, moderate, multifocal, pyogranulomatous and necrotising, chronic with lymphomyeloid hyperplasia
- 2). Spleen, ellipsoids: Edema fluid, moderate, diffuse with lymphoid depletion

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

Slide 60, A3.3-32-8:

1). Liver, sinusoids: fibrin deposition, mild, multifocal, random, acute

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

#### COMMENTS:

The multisystemic inflammatory infiltrate, fibrin deposition and reactive change within the hematopoietic tissues are suggestive of a septicemia or antigenemia. In more severely affected fish, the processes would have been sufficiently severe to have contributed significantly to antemortem morbidity. The changes are non specific (no pathogens were recognized within the examined tissues) and if fresh tissue is available, follow up culture, IFA, ELISA, or PCR may be considered. The sinusoidal fibrin deposition is suggestive of disseminated intravascular coagulation and is likely a sequela to generalized sepsis.

**\*FINAL REPORT\***