

CASE NUMBER: 04F-40-A3.3-33

DATE: May 22, 2004

**HISTOPATHOLOGY:**

Slide 21, A3.3-33-1:

There are no significant lesions in the spleen, liver, kidney or heart.

Slide 22, A3.3-33-2:

There are no significant lesions in the spleen, liver, kidney or heart.

Slide 23, A3.3-33-3:

- 1). Liver: Hepatitis, severe, multifocal, necrogranulomatous, chronic
- 2). Heart: Myocarditis, marked, multifocal, granulomatous, chronic with reactive endocardia
- 3). Kidney: Nephritis, interstitial, marked, multifocal to coalescing, chronic with lymphomyeloid hyperplasia
- 4). Spleen: Granuloma, marked, multifocal, chronic with central necrosis

Slide 24, A3.3-33-4:

Liver, kidney, spleen and heart: As in slide 23 with less involvement in the ventricular myocardium.

Slide 25, A3.3-33-5:

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

Slide 26, A3.3-33-6:

- 1). Spleen, ellipsoid: Histiocytosis, moderate, diffuse with lymphoid depletion

There are no overt lesions within the liver, heart and kidney.

Slide 27, A3.3-33-7:

- 1). Spleen: Splenitis, mild, focal, lymphohistiocytic, chronic with lymphoid depletion

There are no significant lesions in the liver, heart or kidney.

**COMMENTS:**

In 2 of 7 sections and to a much lesser extent, 2 additional slides, there are multisystemic inflammatory infiltrate consistent with a chronic bacterial infection, possibly related to *Renibacterium salmoninarum*. If fresh tissues are available, follow up IFA, culture, or PCR may be considered. Due to the extent of involvement, it is likely that these fish were shedding bacteria antemortem and additional stock have been exposed and are possibly infected. Follow up evaluation of harvest fish to assess the overall incidence of infection may be considered.

**\*FINAL REPORT\***