

CASE NUMBER: 03F-49-P2-19

DATE: Aug 2, 2003

**MORPHOLOGIC DIAGNOSES:**

Slide 17, P2-19-1:

- 1). Spleen, vasculature: Vasculitis, mild, multifocal, acute with intralesional xenoma suggestive of *Loma* spp
- 2). Kidney, hematopoietic tissue: Possible hyperplasia, lymphomyeloid, moderate, diffuse

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

Slide 18, P2-19-2:

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

Slide 19, P2-19-3:

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

Slide 20, P2-19-4:

- 1). Spleen, vasculature: Vasculitis, mild, focal, necrotising, acute with intralesional xenoma suggestive of *Loma* spp

There are no overt lesions within the kidney, liver, heart, or peripheral nerves.

Slide 21, P2-19-5:

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

**COMMENTS:**

In 2 of 5 spleen sections, there are scattered intravascular protozoa morphologically consistent with *Loma* spp; this microsporidian parasite infects gills and internal visceral of net pen reared Coho and Chinook salmon. Transmission of this parasite has been experimentally accomplished by cohabitation of naïve and infected fish in fresh and salt water and there is a strong likelihood of at least exposure and possible infection of additional stock. There were no other significant lesions within the examined tissues.

**\*FINAL REPORT\***