

CASE NUMBER: 03F-49-P3-23

DATE: Aug 2, 2003

MORPHOLOGIC DIAGNOSES:

Slide 104, P3-23-1:

- 1). Heart, epicardium: Epicarditis, mild to moderate, diffuse, subacute
- 2). Kidney, hematopoietic tissue: Fibrogranuloma, mild, focal, chronic

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

Slide 105, P3-23-2:

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

Slide 106, P3-23-3:

- 1). Kidney: Nephritis, interstitial, severe, lymphohistiocytic, necrotising, subacute to chronic
- 2). Heart: Panmyocarditis, marked, granulomatous, subacute to chronic
- 3). Liver: Hepatitis, moderate, multifocal, random, lymphohistiocytic and necrotising, subacute
- 4). Spleen: Splenitis, moderate, multifocal, lymphohistiocytic, with lymphocytolysis

There are no significant lesions within the peripheral nerves.

Slide 107, P3-23-4:

- 1). Liver: Hepatitis, moderately severe, multifocal, random, lymphohistiocytic, subacute
- 2). Heart: Myocarditis, marked, granulomatous, subacute to chronic
- 3). Kidney: Nephritis, interstitial, moderate, lymphohistiocytic, necrotising, subacute to chronic
- 4). Spleen: Splenitis, mild, multifocal, lymphohistiocytic

There are no significant lesions within the peripheral nerves.

Slide 108, P3-23-5:

- 1). Kidney: Nephritis, interstitial, marked, multifocal, lymphohistiocytic, necrotising, subacute to chronic
- 2). Heart: Myocarditis, moderate, lymphohistiocytic, necrotising, subacute to chronic
- 3). Spleen: Splenitis, mild, multifocal, lymphohistiocytic

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

Slide 109, P3-23-6:

- 1). Kidney: Nephritis, interstitial, marked, lymphohistiocytic, nodular to diffuse, necrotising, subacute with intralesional coccobacilli

- 2). Heart: Myocarditis, moderate, diffuse, lymphohistiocytic, necrotising, subacute to chronic with intralesional coccobacilli
- 3). Spleen: Splenitis, moderate, multifocal, lymphohistiocytic with ellipsoid histiocytosis

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

Slide 110, P3-23-7:

- 1). Kidney: Nephritis, interstitial, severe, lymphohistiocytic, necrotising, subacute to chronic within intralesional coccobacilli
- 2). Heart: Myocarditis, marked, granulomatous, subacute to chronic
- 3). Spleen: Splenitis, moderate, multifocal, lymphohistiocytic, with lymphocytolysis
- 4). Liver: Hepatitis, mild, multifocal, random, necrotising, acute

There are no significant lesions within the peripheral nerves.

COMMENTS:

The lesions are consistent in severity and distribution within virtually all of the examined tissues; based on the nature of the inflammatory infiltrate, bacterial kidney disease (*Renibacterium salmoninarum*) would be a prime consideration and follow up evaluation of fresh tissue by culture, FAT or PCR may be undertaken. The lesions are fulminating and would have contributed significantly to antemortem morbidity and presumably the loss of this fish. Based on the extent of involvement, without antimicrobial therapy, the prognosis for full recovery to full production would be guarded and review of current husbandry measures may also be indicated. There are no apparent predisposing or underlying disease processes within the examined tissues.

FINAL REPORT