

CASE NUMBER: 04F-24-P2-1

DATE: Mar 21, 2004

HISTOPATHOLOGY:

Slide 24, P2-1-1:

- 1). Heart, epicardium: Serositis, moderate, diffuse, granulomatous, chronic
- 2). Spleen: Lymphoid depletion, moderate, diffuse, with scattered edema fluid

There are no overt lesions within the liver or kidney.

Slide 25, P2-1-2:

- 1). Heart: Myocarditis, minimal, focal, granulomatous and necrotising, chronic

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

Slide 26, P2-1-3:

- 1). Kidney: Glomerulonephritis, membranous, moderate, multifocal to diffuse
- 2). Heart, compact layer: Myocarditis, mild, focal, nonsuppurative, chronic with edema fluid

There are no significant lesions within the liver or spleen.

Slide 27, P2-1-4:

- 1). Kidney, hematopoietic tissue and heart: Plasmacytoid hyperplasia, moderate, multifocal
- 2). Liver: Cholangiohepatitis, moderate, diffuse, granulomatous, chronic with biliary ductular hyperplasia

There are no overt lesions within spleen.

Slide 28, P2-1-5:

- 1). Heart: Epicarditis, mild, diffuse, granulomatous, chronic
- 2). Liver: Cholangiohepatitis, mild, diffuse, granulomatous, chronic with biliary ductular hyperplasia

There are no overt lesions within the spleen or kidney.

Slide 29, P2-1-6:

- 1). Heart, ventricle: Epicarditis and superficial myocarditis, moderate, diffuse, granulomatous, chronic
- 2). Kidney, hematopoietic tissue and heart: Plasmacytoid hyperplasia, moderate, multifocal
- 3). Liver, hepatocytes: Degeneration, mild, multifocal, random, acute

There are no overt lesions within the spleen.

Slide 30, P2-1-7:

- 1). Kidney, hematopoietic tissue and heart: Plasmacytoid hyperplasia, moderate, multifocal with membranous glomerulonephritis
- 2). Heart, spongy layer: Myocarditis, mild to moderate, multifocal, subacute

There are no overt lesions within the liver or spleen.

Slide 31, P2-1-8:

- 1). Kidney, hematopoietic tissue and heart: Plasmacytoid hyperplasia, marked, diffuse, with membranous glomerulonephritis
- 2). Liver: Hepatitis, portal, moderate, diffuse, subacute with edema fluid
- 3). Heart: Epicarditis, mild, diffuse, granulomatous, chronic

There are no overt lesions within the spleen.

Slide 32, P2-1-9:

- 1). Kidney, hematopoietic tissue and heart: Plasmacytoid hyperplasia, marked, diffuse, with membranous glomerulonephritis
- 2). Liver: Hepatitis, portal, moderate, diffuse, subacute with edema fluid
- 3). Heart: Epicarditis, mild, diffuse, granulomatous, chronic

There are no overt lesions within the spleen.

Slide 33, P2-1-10:

- 1). Kidney, hematopoietic tissue and heart: Plasmacytoid hyperplasia, moderate, multifocal with sinusoidal congestion and hyperemia.

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

Slide 34, P2-1-11:

- 1). Kidney, hematopoietic tissue and heart: Plasmacytoid hyperplasia, moderate, multifocal

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

COMMENTS:

The preponderance of developing and maturing plasma cells and to a much lesser extent, membranous glomerulonephritis noted in multiple sections is suggestive of marine anemia, although chronic inflammatory and other disease processes cannot entirely be discounted. There were no discernible intranuclear inclusions (parasites). Incomplete tissue sampling and lack of gross observations hinder interpretation of these microscopic finding. Follow up molecular studies to exclude *Enterocytozoon* spp may be considered. The portal hepatitis is suggestive of a retrograde or ascending infection from the gastrointestinal track. The acute hepatocellular degeneration and necrosis noted in select sections is suggestive of a possible septicemia or antigenemia.

FINAL REPORT