

CASE NUMBER: 03F-25-P3-9

DATE: May 4, 2003

MORPHOLOGIC DIAGNOSES:

Slide 55, P3-9-1:

- 1). Kidney: Nephrocalcinosis, marked, diffuse, chronic with peritubular and periglomerular fibrosis
- 2). Liver, hepatocytes: Lipidosis, moderate, diffuse, macrovesicular

There are no overt lesions within the corpuscle of Stannius, heart, pancreas, peripheral nerves, spleen, or peripheral vasculature.

Slide 56, P3-9-2:

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

COMMENTS:

In 1 of 2 sections (slide 56 did not include kidney), there is profound nephrocalcinosis which would have contributed significantly to impaired renal function; the precise pathogenesis of this condition is unknown. However, increased incidence of this condition has been recognized in stock maintained in water with carbon dioxide levels greater than 12 ppm. If possible, review of current water quality parameters and stocking densities may be considered. Nephrocalcinosis has also been reported with excessive consumption of selenium and submission of liver samples for trace mineral analysis may also be considered. The lipidosis noted in 1 of 2 slides may be due to cachexia or inappetance, secondary to the renal process. There were no other significant changes within the examined tissues.

FINAL REPORT