



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2005 – Fish FI2142/96

Slide No. FI2142/96: Tissue from a rainbow trout

Description of histological findings

Liver, multifocally there are areas (up to 0.5 mm in diameter) of necrosis, characterized by loss of structural integrity, hypereosinophilia, karyopycnosis and –rhexis. In the center of these areas are colonies of coccoid bacteria. The remaining liver tissue shows signs of structural disintegration with separation/individualization of hepatocytes. The sinusoids are moderately congested. Multiple hepatocytes contain one to multiple clear fat vacuoles of irregular size.

In several slides there are few small areas of hemorrhage.

Morphological diagnoses

Liver, necrosis, multifocal with intralosomal bacteria

Etiology

Aeromonas salmonicida

Disease

Furunculosis

Scoring system	Points
<u>General:</u>	
Design	2
Tissue	1
<u>Descriptive features:</u>	
Description of necrosis	3
Bacterial colonies	2
Remaining tissue, separation of hepatocytes	2
Congestion	1
Fat deposition	1
<u>Morphological Diagnoses:</u>	4
<u>Etiology:</u>	2
<u>Disease:</u>	2