



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

Summer School 2005 – Fish F03/4542

Slide No. F03/4542: Tissue from a carp

### Description of histological findings

Skin, multifocally there is a severe epidermal hyperplasia (acanthosis) with marked reduction of the number of goblet cells. The epidermis is up to 2 mm thick with up to 20 cell layers. The individual keratinocytes are slightly hypertrophic. Multifocally there is moderate spongiosis.

There is a mild exocytosis of lymphocytes and plasma cells mainly into the basal epidermal layers multifocally extending into the stratum spinosum. Multifocally there are few small areas of necrosis.

### Morphological diagnoses

Skin, epidermal hyperplasia, multifocal, severe

### Etiology

Herpesvirus cyprini

### Disease

Carp pox, Epithelioma papillosum carpio

Scoring system	Points
<u>General:</u>	
Design	2
Tissue	1
<u>Descriptive features:</u>	
Acanthosis	2
Reduction of goblet cells	1
spongiosis	2
exocytosis of lymphocytes and plasma cells	2
necrosis	2
<u>Morphological Diagnoses:</u>	4
<u>Etiology:</u>	2
<u>Disease:</u>	2