



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

### Summer School 2005 – Fish HSMI (Muscle)

#### Slide HSMI (Muscle)

**1. Description of histological findings**

Red muscle from farmed Atlantic salmon. Transverse section of the superficial red muscle. There is also a lot of the deeper, white muscle in the section. Hypercellularity with mononuclear cells within and between muscle fibres. Inflammatory response with mononucleated inflammatory cells. Loss of striation (not easily seen in transverse section), increased eosinophilia and vacuolation of myocytes. Some necrotic single cells.

Single white fibres may be degenerated with no visible inflammation.

**2. Morphological diagnosis**

Red muscle myositis with vacuolisation and degeneration.

**3. Name of the disease**

Heart and skeletal inflammation (HSMI) (See also heart from this fish)

**4. Aetiology**

Viral (unclassified)