



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2005 – Fish HSMI (Heart)

Slide HSMI (Heart)

1. Description of histological findings

Spongy and compact layers of the ventricle are infiltrated by mononuclear cells, comprising macrophages, lymphocyte- and plasma like cells. Inflammatory cells are localized within and around myocytes in a diffuse or focal pattern. Endocardial cells may be multifocally hypertrophic adjacent to myocyte inflammation. Thickening of epicardium by mononuclear cells. There is also some atrium and bulbus arteriosus present on the slide.

2. Morphological diagnosis

Panmyositis involving both the outer compact and the inner spongy myocardium of the ventricle. Mononuclear diffuse epicarditis.

3. Name of the disease

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

4. Aetiology

Viral (unclassified)