



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2006 – Muscle Case 14

14- Tissue from a bird

Paraffin wax embedded – HES – longitudinal section

Skeletal muscle

Localized lesion involving half of the sample. Well delimited.

Severe inflammation of the muscle associated with sub acute severe necrosis (mild hypereosinophilic fragmented cytoplasm, macrophagic cells into the fibers.

Severe edema in the endomysium and the perimysium.

Regeneration: rare myoblasts (vesicular nuclei, basophilic cytoplasm)

Mild congestion. Multifocal micro hemorrhages.

Severe infiltration of the interstitium mainly by heterophilic polynuclear cells (a lot of them are pyknotic), macrophagic (often vacuolated) cells lymphocytic cells and giant multinucleated cells.

Numerous basophilic non-septated, branched elements (diameter 7-10 micrometers), 100-500 micrometers long. Invaded the interstitial tissue and the vessels. Some of them are observed in phagocytic cell cytoplasm.

Sub acute severe exudative and polynuclear myositis.

Aspergillus fumigatus