



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2006 – Muscle Case 12

12- Tissue from a Horse

Frozen section of the sacrocaudalis muscle. The tissue was waiting 24 hours at ambient temperature before it was frozen at the laboratory.

Skeletal muscle

Numerous fibers were detached from the tissue: artefact

Numerous holes were seen in the cytoplasm of fibers (network of cytoplasm around holes), especially in one side of the sample: artefacts

Severe diffuse angular-shaped atrophy (1/5 of the real size) of myofibres, which appear elongated, admixed with round normal or hypertrophic (1.5 x) cells (checkerboard pattern).

Few necrotic fibers (hyaline, infiltrated by macrophages).

Mild fibrosis of the perimysium.

Diagnosis: severe atrophy of half of the myofibers regularly distributed in the tissue.

Neurogenic atrophy

Equine Motoneuron Disease