



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2006 – Muscle Case 6

6- Tissue from a horse

Paraffin wax embedded- HES

Skeletal muscle

Severe generalized adiposis. The muscular bundles are partially replaced by adipocytes.

Adipocytes were found in the interstitial tissue and in the basement membrane of myocytes.

Focal endomysial fibrosis associated with mild mononuclear inflammatory cell infiltration.

Numerous empty subsarcolemmal or intracytoplasmic vacuoles in the muscle fibers (from 10 to 50% of the fibers cytoplasm)

Some fibers exhibit grayish aggregates as straight or ramified rods in their cytoplasm complex polysaccharide.

Diagnosis: chronic polysaccharide surcharge myopathy and adipomatous atrophy of the muscle