



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2006 – Muscle Case 1

1-Tissue from a dog (6 years old)

Transverse section HES. Wax embedded

Skeletal muscle

Severe generalized adiposis (infiltration by adipocytes) cells in the perimysium, the epimysium and the endomysium

Severe generalized fibrosis (perimysium and endomysium)

Some scattered eosinophilic rounded (hyaline) fibers

Random distribution of anisocytosis: small and large fiber atrophy and hypertrophy

Internal nuclei in small-diameter rounded fibers (regeneration)

Some small-angulated fibers located in severely fibrotic bundles

Very few isolated necrotic fibers with calcification (basophilic)

Morphological diagnosis: muscular dystrophy with severe fibrosis and adiposis

Etiology: Dystrophin deficiency

Name of the disease: GRMD (Golden retriever muscular dystrophy)