



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2006 – Muscle Case 15

15- Tissue from a cat

Paraffin wax embedded – HES –

Skeletal muscle

We can observe a few skeletal tissues invaded by a stromal fibrous tissue, which represents the major part of the sample

Numerous neoplastic tubular elements were seen in a very thick fibrous stromal tissue, rich of collagen fibers.

Tumoral tubules (adenocarcinoma) are made of epithelial cuboidal cells, poorly differentiated, with a pale-lightly eosinophilic cytoplasm. The nucleus is large, round, central, and vesicular with a nucleolus.

Anisocytosis and anisokaryosis are very frequent. Mitoses are rare

Some tumoral cells remain necrotic.

Some sheets of tumoral cells can be observed in lymphatic vessels through the stromal tissue

Diagnosis: muscular metastasis of a poorly differentiated adenocarcinoma