



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2008 – CNS Case 31

Case 31) S 2087/97 Tissue from a DOG

Brain stem: The brain stem shows a nodular, moderately cellular, infiltrative, moderately demarcated, unencapsulated mass, measuring about 0.4 cm in diameter, that does not extend to cut borders. The cells are loosely arranged in bundles. There is a scant amount of a fine fibro-vascular stroma. The cells are elongated with multiple fibrillar processes, measure 10 x 30-50 μm and have indistinct borders. They have a scant amount of a finely stippled, eosinophilic, perinuclear cytoplasm. The nucleus to cytoplasm ratio is about 1:1. The centrally located, round to oval nuclei demonstrate a finely stippled chromatin pattern with a predominance of heterochromatin. Each nucleus contains 1-2 distinct, basophilic nucleoli. Mitoses ranges up to 1 per high power field.

Morphological diagnosis:

Brain stem, astrocytoma, fibrillary