



ECVP/ESVP Summer School in Veterinary Pathology

Summer School 2010 – Eye Case 3

Tissue from a cat

- The section of a globe contains a mass that effaces most of the iris [1] and ciliary body. [2]
- The mass effaces the filtration meshwork [3] and extends on the corneal endothelium, [4] along the posterior surface of the iris [5] and on to the ciliary processes. [6]
- Spherical pigmented cells of variable sizes are present within the anterior chamber [7] and posterior [8] chamber.
- The mass is composed mainly of plump fusiform cells [9] and polygonal [10] to spherical cells [11] with light brown pigment [12] consistent with melanocytes. [13] A few mitotic figures are present. [14]
- Focal areas of the ciliary stroma are distended with pale eosinophilic fluid (edema). [15]
- The vitreous body is collapsed.

Morphologic Diagnosis(es): Diffuse anterior uveal malignant melanoma [16-18]

Possible Sequela : Inner retinal atrophy (glaucoma) [19-20]