



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

Summer School 2006 – Eye 06RD0484

**Research No.:** 06RD0484  
**Owner:** Ronan  
**Animal:** Winston (see also 06RD0078)

The sample submitted consists of the formalin-fixed right globe from a 7-year-old male castrated Siamese cat mix. Histologically, the abnormalities are limited to the cornea. The axial cornea is thickened; the anterior axial stroma is infiltrated by vessels, spindle cells, and inflammatory cells that line the deep margin of a thick dark brown acellular layer (sequestrum). The epithelium is relatively normal peripherally, but is irregular and hyperplastic. As one moves axially, the anterior stroma becomes densely vascular, on one side, dives beneath the edge of the sequestrum, and is absent over the sequestrum. There are a substantial number of mast cells underlying the nearby conjunctival epithelium. However, eosinophils are not a prominent component.

### Diagnosis:

1. **Neovascular keratitis with corneal sequestrum, idiopathic**

### Comments:

The only link between these findings and the previous diagnosis is that mast cells are present within the conjunctival stroma.