



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

### Summer School 2008 – CNS Case 3

#### **Case 3) S 1610/07 A:**

#### **Tissue from a DOG**

Cerebrum: In the periventricular brain parenchyma, there is an area of 0.3 to 0.4 cm in diameter occupied by multiple, cystic spaces, which are lined by well-differentiated endothelial cells and filled with erythrocytes and scattered leukocytes (blood). The brain parenchyma in between and adjacent to the cystic area shows loss of architecture with neuronal necroses, vacuolation of the neuropil, dilation of myelin sheaths and numerous spheroids. Occasionally, there is mild extravasation of erythrocytes (hemorrhage) accompanied by several macrophages containing granular brown pigment (hemosiderin).

#### **Morphologic diagnosis:**

Cerebrum: Vascular hamartoma

#### **Differential diagnosis:**

Hemangioma