



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

Summer School 2008 – CNS Case 24

### **Case 24) F 27/07 A: Tissue from a BOVINE**

Brainstem: Randomly distributed, there are small foci of rarefied neuropil with hypereosinophilic staining (necrosis). Occasionally, thin-walled protozoal cysts up to 30 µm in diameter, containing numerous, round, basophilic, 2 µm-sized structures (bradyzoites within tissue cyst) are present. These necrotic areas are surrounded by astrocytes (astrocytosis) and infiltrated by histiocytes and neutrophils. Vessels show moderate congestion.

#### **Morphologic diagnosis:**

Brainstem: Encephalitis, necrotizing to granulomatous, multifocal, moderate, subacute with intralesional protozoal cysts and bradyzoites

#### **Etiology:**

*Neospora caninum*