



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

### Summer School 2008 – Mock Exam Case 2

ECVP MOCK EXAMINATION, JACA, 2008

HISTOPATHOLOGY

Slide n°2: Tissue from a Canine

#### Description:

Cerebrum: Larger vessels in the gray and white matter of the cortex are surrounded by a moderate mixed inflammatory infiltrate consisting of lymphocytes, plasma cells and large round cells with a round to bean-shaped nucleus and homogenous, slightly granular cytoplasm (interpreted as microglial cells/macrophages). Small numbers of neutrophils are visible. The perivascular infiltrate sometimes extends into the adjacent brain parenchyma. Multifocally in the gray matter, aggregates of glial cells can be seen (astrogliosis) often near blood vessels. Myelin sheaths in the white matter are diffusely distended (edema, spongiosis). The meninges are mildly and diffusely infiltrated by small numbers of lymphocytes, plasma cells and histiocytes. The larger vessels in the cortex are filled with erythrocytes (hyperemia). Some vessels are lined by plump endothelial cells (endothelial cell hypertrophy).

#### Morphologic diagnosis/diagnoses:

Brain (cerebrum): granulomatous meningoencephalitis, moderate, diffuse, perivascular with slight astrogliosis and edema

Tissue: brain (or cerebrum)	1
Gray matter	1
White matter	1
Perivascular	1
Lymphocytes	1
Plasma cells	1
Histiocytes	1
Infiltration of parenchyma	1
Astrogliosis	1
Edema/spongiosis	1
Meningeal infiltration lymphocytes, plasma cells, histiocytes	2
Hyperemia	1
Endothelial hypertrophy	1
MD: granulomatous	1
meningoencephalitis, moderate, diffuse,	1
perivascular	1
astrogliosis and edema	1
Style	2
Total	20