



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

Summer School 2004 – CNS 1156-98

**SLIDE No. 1156-98: Tissue from a HORSE**

### DESCRIPTION OF HISTOLOGIC FINDINGS

Two cross-sections of spinal cord; few blood vessels in the gray and white matter show moderate perivascular infiltration of lymphocytes, plasma cells and macrophages. Additionally, individual vessels in the gray matter show transmural infiltration of macrophages and lymphocytes, associated with hyper eosinophilia of the vascular intima, interpreted as vasculitis. Predominately in the gray matter, there is mild to moderate focal astrogliosis, as well as few swollen, eosinophilic axons (Spheroids) and few neurons with peripheral chromatolysis. Multifocal, randomly distributed areas of prominent spheroids are present in the adjacent white matter. In the meninges small amounts of extravascular erythrocytes can be found, interpreted as meningeal hemorrhages. Additionally, multiple meningeal and spinal cord vessels a markedly filled with erythrocytes, interpreted as congestion.

### MORPHOLOGIC DIAGNOSIS/DIAGNOSES

Brain; lymphoplasma-histiocytic perivascular myelitis with lymphohistiocytic vasculitis and focal degeneration and meningeal hemorrhages, diffuse, acute, mild to moderate

### ETIOLOGY:

Equine Herpesvirus type 1

## Scoring System

#### Slide description:

Design	2 points
Tissue (spinal cord)	1 point

#### Descriptive features:

Perivascular gray and white matter and meningeal involvement	2 points
Most prominent in the gray matter	1 point
Lymphocytes, macrophages, plasma cells	1 point
Glial nodules	2 points
Astrogliosis	1 point
Gliosis (microgliosis)	1 point
Neuronophagia	2 points
Spheroids	1 point
Congestion	1 point

Total: 15 points

### MORPHOLOGICAL DIAGNOSIS/DIAGNOSES:

4 points

### ETIOLOGY:

1 point