



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2008 – Mock Exam Case 3

ECVP MOCK EXAMINATION, JACA, 2008

HISTOPATHOLOGY

Slide n°3: Tissue from a Caprine

Description:

Kidney: In the renal cortex and medulla there is a multifocal interstitial nephritis characterized by an infiltrate of predominantly lymphocytes, macrophages and plasma cells. The inflammatory infiltrate is mainly associated with blood vessels. In numerous mid-sized arteries and arterioles the walls are infiltrated by small to moderate numbers of lymphocytes, plasma cells and histiocytes (vasculitis) and there is an accumulation of hyaline to smudged eosinophilic material within the wall (fibrinoid necrosis). In the subepithelial layer of the renal pelvis there is an infiltrate of moderate numbers of lymphocytes and histiocytic cells. Within the Bowman's capsule of multiple glomeruli and within tubular lumina there is homogenous eosinophilic material (protein rich fluid). Occasionally, necrosis of single tubular epithelial cells is observed. Additionally there are multifocal extravasated erythrocytes (hemorrhage) and the vessels are congested.

Morphologic diagnosis/diagnoses:

1. Kidney: interstitial nephritis, vasculitis and perivascularitis, lympho-plasmacytic, and histiocytic, multifocal, with fibrinoid necrosis of vessel walls, subacute, severe
2. Renal pelvis: pyelitis, lympho-histiocytic, focal, subacute, mild to moderate

Tissue: kidney	1
Interstitial infiltrates: lymphocytes	1
Macrophages	1
Plasma cells	1
Vasculitis	1
Lymphocytes, plasma cells and histiocytes in vessel wall	1
Perivascular infiltrates	1
Mid-sized arteries affected	1
Fibrinoid necrosis of vessel walls	2
Protein rich fluid intraluminal	1
Pyelitis	1
Lympho-histiocytic	1
Hemorrhages	1
MD: interstitial nephritis	1
vasculitis/fibrinoid necrosis vessel walls	1
perivascularitis, lymphoplasmacytic, histiocytic	1
pyelitis, lympho-histiocytic	1
Style	2
Total	20