



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2008 – Mock Exam Case 6

ECVP MOCK EXAMINATION, JACA, 2008

HISTOPATHOLOGY

Slide n° 6: Tissue from a Canine

Description:

Oral cavity (stratified squamous epithelium): The submucosa of the oral cavity is diffusely expanded by a densely cellular inflammatory infiltrate mainly composed of lymphocytes, plasma cells and activated macrophages. Macrophages are arranged in variably sized focal accumulations. Many of these activated cells contain intracytoplasmic inclusions which are round to oval, 2-4µm in size, containing a round markedly basophilic nucleus and a small rod-like kinetoplast, consistent with amastigotes of *Leishmania* spp. Rarely, polymorphonuclear neutrophils are also observed throughout the submucosa. There is marked dilation of lymphatic vessels. In the epithelium there is a moderate intercellular edema with associated intense exocytosis of lymphocytes and plasma cells.

Morphologic diagnosis/diagnoses:

Granulomatous stomatitis, diffuse, severe, chronic with with intralesional protozoal microorganisms morphologically consistent with *Leishmania* spp.

Etiological diagnosis:

Oral leishmaniasis

Tissue : oral cavity	1
Diffuse inflammatory infiltration in submucosa	1
Macrophages	1
Lymphocytes	1
Plasma cells	1
Macrophages in focal accumulations	1
Intracytoplasmic inclusions	1
Round to oval	1
2-4µm in size	1
Nucleus and kinetoplast	1
Consistent with amastigotes of <i>Leishmania</i> spp.	1
Lymphatic dilation	1
Intercellular edema in oral epithelium	1
Exocytosis of inflammatory cells	1
MD: granulomatous	1
stomatitis (diffuse, severe, chronic)	1
with intralesional protozoal microorganisms	1
EtD: Oral (or mucosal) leishmaniasis	1
Style	2
Total	20