



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2004 – Reptile Case 7

Slide 7

Tissue of a turtle. Kidney.

Morphological diagnoses:

- Pyelonephritis (distal tubulonephritis), pyogranulomatous, multifocal, moderate, subacute-chronic, with intraluminal flagellate protozoans
- Tubulonephrosis, multifocal, moderate, with intraluminal flagellate protozoans

Aetiology: *Hexamita parva*

Key features:

- dilatation and formation of pyogranulomas in distal tubules and collecting duct
- pyogranuloma with multinucleated giant cells surrounding a core composed of necrotic cells, heterophiles associated with flagellate protozoans.
- in “cortical zone” multifocally tubules with irregular flattened epithelium, hydropic degeneration, regeneration (irregular vesicular nuclei) and intraluminal flagellate organisms