



# ECVP/ESVP Summer School in Veterinary Pathology



Summer School 2009 – Reptile Case 5

## Slide 5. Terrapin. Kidney.

MD:

- Tubulonephritis (pyelonephritis), necrotizing, purulent, multifocal, severe, subacute, with flagellate protozoans, and with interstitial hemorrhages
- Tubulonephritis, pyogranulomatous, multifocal, mild, subacute, associated with tophi (gout)

Aetiology: *Hexamita parva*

Key features:

- Multifocal tubular dilatation
- Swelling / necrosis of epithelial cells / regeneration
- Intratubular neutrophilic infiltration
- Intratubular small flagellate protozoans
- Occasional formation of pyogranuloma with multinucleated giant cells surrounding a core composed of necrotic material, heterophiles associated with uric acid needles
- Multifocal interstitial hemorrhages / fibrin