



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2006 – Toxicological Pathology 91-06175

Slide 5. H-4. (91-06175) Dog.

Description (12)

Lesion: Hepatocytes - ballooning degeneration – cell swelling with compression of sinusoids , cytoplasmic clearing, nuclei not severely displaced (5)

Distribution: Centrilobular and midzonal hepatocytes and multifocal - (normal hepatocytes in periportal regions) (5)

Hepatocytes contain brown- green granular material, also in Kupffer cells and periportal macrophages. (2)

Morphologic Diagnosis(es) (5)

Severe centrilobular to midzonal hepatocellular ballooning degeneration (4)

Intracellular cholestasis (1)

Special stains of use

Glycogen – PAS

Lipid - Oil-red-O

Possible cause (3)

Glycogen accumulation due to excess corticosteroids - steroid hepatopathy

Excess exogenous corticosteroid use

Functional adrenal gland tumor

Clinical pathology:

Marked increase glucocorticoid induced alkaline phosphatase

Additional information: *5yr old castrated male Labrador Retriever.*

Gross findings: Liver was pale.