



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2006 – Muscle Case 10

10- Tissue from a two-month-old calf

Paraffin wax embedded – HES

Cardiac muscle

The inner area of the cardiac wall (near the endocardium) shows severe locally extensive sub acute necrosis of the cardiomyocytes (eosinophilic, fragmented cytoplasm, pyknotic nuclei) associated with mild edema and moderate diffuse lymphocytic and macrophagic cell infiltrations.

At the periphery of the necrotized area, the cardiomyocytes exhibit basophilic granular cytoplasm (calcification).

Conclusion: severe necrosis localized at the inner part of the ventricular wall associated with moderate calcification of cardiomyocytes.

Vit. E/Selenium deficiency Myopathy