



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2006 – Muscle Case 7

7- Tissue from a 5-year-old cow

Paraffin wax embedded- HES

Cardiac muscle tissue: Myocardium

Multifocal coalescing multinodular inflammation generalized to the sample
Inflammatory foci are often centered on hyperacidophilic mass of cytoplasmic debris (myofibers or necrotic inflammatory cells) admixed with karyorrhectic nuclei, surrounded with giant macrophagic- sometimes epithelioid- cells and eosinophils: granulomatous inflammation.

Numerous diffuse eosinophilic polynuclear cell infiltrations are observed between the cardiac muscle fibers.

Some cardiomyocytes exhibits intracytoplasmic cysts (diameter 200 micrometers) containing basophilic granular banana-shaped elements: sarcosporidiosis cysts.

Diagnosis: Multifocal to coalescing granulomatous and eosinophilic myocarditis associated with sarcosporidiosis.