



Acct # 5316
Loomis Basin Veterinary Clinic, Inc
PO Box 23
Loomis, CA 95650

Report No.
9020273

Phone: (916) 652-5816

Name	Tailor	Sp, Breed	K9, Great Dane	Collected	2/4/09
Owner	Munro	Sex	F	Received	2/5/09
Doctor	Thomas	DOB/Age	3 yrs 6 mo	Reported	2/5/09
					2:27 pm

HISTORY

Lethargic and febrile for three to four days. Inappetent. Mesenteric and hepatic lymphadenopathy on ultrasound. Moderate to severe hypoechoic nodules present throughout the liver.

SPECIMEN

Liver and mesenteric nodes- Nine slides received for evaluation:

MICROSCOPIC DESCRIPTION

Liver (probably node): These slides are highly cellular. Most of the cells are variably lytic neutrophils. Macrophages are prominent as well. These inflammatory cells are admixed within abundant granular and cellular debris. Fibrin clumps are also present and contain many inflammatory cells. In addition there is a population of round to spindle cells. These cells contain abundant pale basophilic lightly vacuolated cytoplasm and an ovoid to round nucleus. The nuclear chromatin is granular and nucleoli are visible in these cells. There is mild to moderate variation in cell size in this population. The spindle cells are more prevalent in some slides than in others. There is abundant granular and cellular debris but organisms are not found, even with prolong searching.

Lymph node (probably liver): These slides are bloody and of moderate cellularity. There are hepatocytes present in the slides labeled lymph node so it presumed that these are actually liver aspirates and the other five slides are from node. Hepatocytes are seen in small clusters and are mildly degenerate in appearance. There is pigment in hepatocytes and sometimes seen between hepatocytes. Inflammatory cells are numerous in these slides as well. These consist of many neutrophils as well as a mononuclear population that appear to be monocytes and immature macrophages. There are a few scattered immature appearing lymphoid cells but these are relatively infrequent.

DIAGNOSIS

1. Slides labeled liver (but probably lymph node): Marked suppurative inflammation and necrosis with spindle cell proliferation.
2. Slides labeled lymph node (but appear to be from liver): Marked pleocellular inflammation and hepatocellular degeneration.

COMMENT

There is a marked inflammatory response present in both of these tissues. Neutrophils are most numerous and there are mild to moderate degenerate changes in the neutrophils. Even with careful searching however organisms are not seen. Nonetheless given the neutrophilic nature of the inflammation, culture is recommended, as infection is the primary differential. In the slides thought to be from node there are several clusters of cells that appear to be spindle cells. Their presence in clusters and their large size is worrisome for a possible neoplasm in which there is marked necrosis. They are in low number however and it is quite possible that they are reactive fibroblasts in response to this marked



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suppurative inflammation. Hepatocytes are seen in the other slides with prominent inflammatory cells, but the spindle cell population is not found. Other features suggestive of neoplasia are not apparent. Infection should be ruled out via culture. A specific cause for this marked suppurative inflammation is not apparent however.

PATHOLOGIST
 Sonjia M. Shelly, DVM
 Diplomate, American College of
 Veterinary Pathologists

Veterinarians: For consultation on this report, please call (877) 753-4285.

Crit Cytology - 2 Sites