Latin Comparative Pathology Group
The Latin Subdivision of the CL Davis Foundation
Diagnostic Exercise

Case #: 44 Month: May Year: 2014

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Clinical History: A 5 year old, intact male Labrador Retriever presented to the Veterinary Teaching Hospital at the Universidad Santo Tomás, Viña del Mar, Chile for lethargy and several skin masses. On physical examination, the dog appeared in good body conditions, but presented multiple skin masses, some of them alopecic and ulcerated (Figures 1 and 2). The popliteal lymph nodes were enlarged.

On a chemistry panel the following abnormalities were noted: hypoalbuminemia (1.4 g/dl – RI 2.3-4 g/dl), mild increase in alkaline phosphatase (255 U/L; RI 23-212 U/L, mild hypercholesterolemia (382 mg/dl; RI 130-370 mg/dl), and mild hyperglobulinemia (4.6 g/dl RI 2.5-4.59 g/dl). The CBC showed increased hematocrit and hemoglobin and leukocytosis.

Images of the patient and skin lesions:

Figure 1: Macrosocpic appearance of th epatient an dthe skin masses

Figure 2: Closer view of the lesions

Fine needle aspiration was performed of one of the masses and one of the popliteal lymph nodes. Both samples had

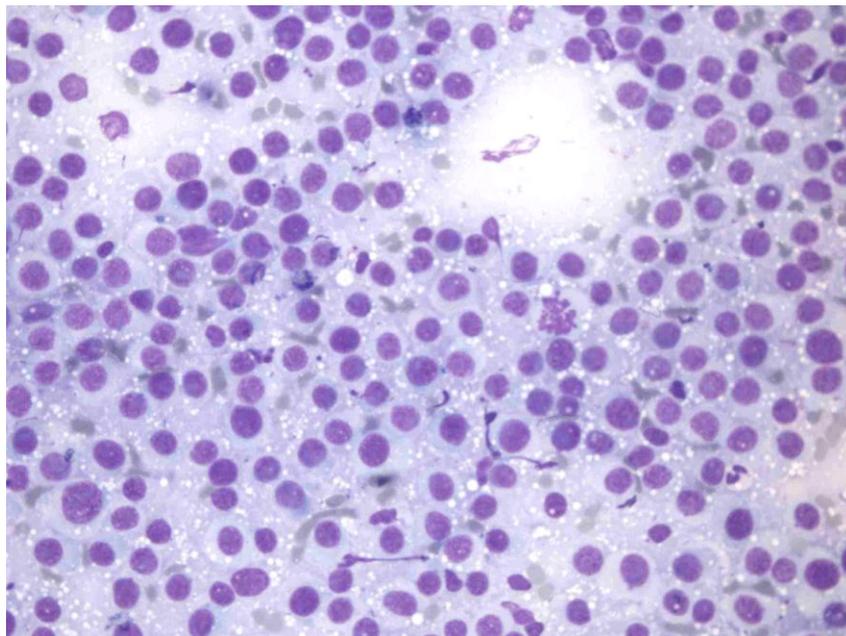the cytological appearance illustrated in Figures 3 and 4.

Figure 3: Cytological appearance of the cells aspirated from a skin mass (Wright-Giemsa stain, 10X)
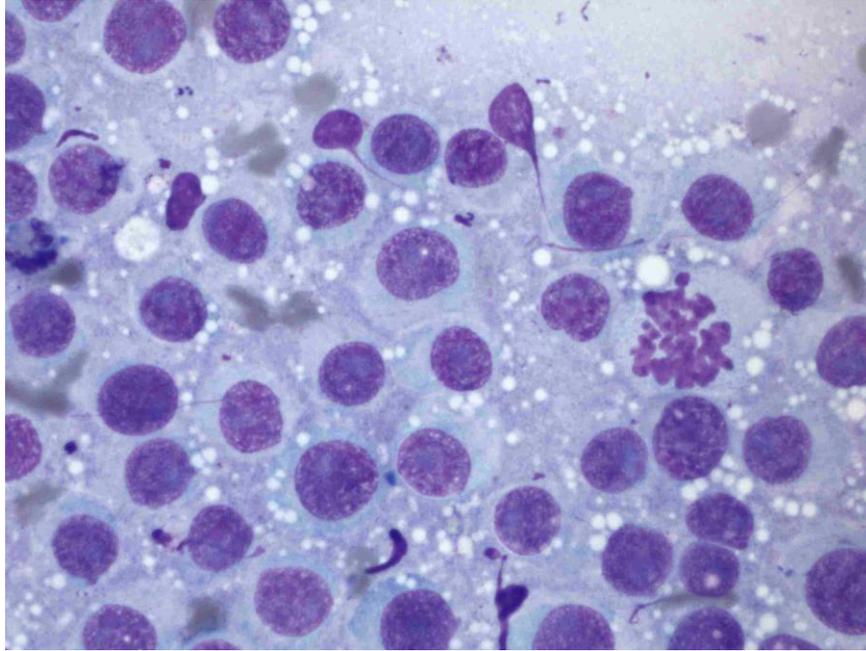
Figure 4: Closer view of the cells from the same aspirate as in Figure 3 (Wright-Giemsa stain, 40X)

Follow-up questions:

Make a cytological description of the image; Interpretation; Differential diagnoses; Common locations for this lesion;

Prognosis

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Please send your comments/questions to the whole LCPG list by hitting "reply to all".

A final document containing this material with answers and a brief discussion will be posted on the C. L. Davis

website by the end of the current month (http://www.cldavis.org/lcpg_english.html).