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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: Macrosopic appearance of th epatient an dthe skin masses
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 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).