

Lymphocytosis

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Following are differential diagnoses for patients presented with lymphocytosis.

- ▶ Age-related cause (eg, dogs and cats <6 months of age often have mild lymphocytosis due to vaccination or exposure to novel antigens)
- ▶ Antigenic stimulation
 - Immune-mediated disease (rare; eg, immune-mediated hemolytic anemia in cats)
 - Infection (most commonly, *Ehrlichia canis*; rarely, protozoal [eg, *Leishmania infantum*], *Spirocerca lupi*, FIV)
- ▶ Endocrine disease
 - Hyperthyroidism (cats; usually mild; can be seen prior to diagnosis [possibly epinephrine-related] or secondary to methimazole treatment)
 - Hypoadrenocorticism (primarily dogs; lack of a stress leukogram in a sick patient can indicate disease)
- ▶ Lymphoid neoplasia
 - Acute lymphoblastic leukemia
 - Chronic lymphocytic leukemia (± small cell lymphoma)
- ▶ Nonlymphoid neoplasia (eg, thymoma)
- ▶ Physiologic (eg, epinephrine-induced) response (primarily cats) ■

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