

Neutrophilia

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Following are differential diagnoses for patients presented with an elevated neutrophil count.

- ▶ Increased production associated with bone marrow response to inflammation
 - Infection (eg, bacterial, viral, fungal, protozoal) of any organ system
 - Sterile inflammation (eg, immune-mediated disease, neoplasia, tissue trauma or necrosis)
- ▶ Increased production associated with bone marrow response to peripheral cytopenias (eg, hemolytic anemia, hemorrhagic anemia, thrombocytopenia)
- ▶ Glucocorticoid-associated
 - Stress (physical)
 - Glucocorticoid administration
 - Hyperadrenocorticism
- ▶ Granulocytic leukemia
- ▶ Specific infections causing severe leukemoid response
 - Hepatozoonosis (*Hepatozoon canis*)
 - Babesiosis (*Babesia canis*)
- ▶ Leukocyte adhesion deficiencies in dogs (eg, Irish setter), usually associated with hypersegmented neutrophils

References

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