

Belle 5 year-old Golden Retriever FS



- Presenting for annual wellness exam
- Owner reports doing well at home, a little more tired since they got a new puppy.
- TPR within normal limits
- PE- No significant findings
- Owner agrees to minimum database and Nu.Q® Vet Cancer Screening Test
- CBC:
 - Mildly low platelets at 190,000
 - Otherwise, normal
- Chemistry:
 - Mild elevation in Alk Phos- 143 mg/dL
- UA:
 - No significant findings

Result

Nu.Q® Vet Cancer Screening Test:
187.6 ng/mL

Result: 67.4-600 ng/mL
Cancer Suspicion: High

Interpretation:

Plasma nucleosome concentrations ranging from 67.4-600 ng/mL are consistent with those found in common canine cancers including lymphoma and hemangiosarcoma. This test is not able to differentiate severe/systemic inflammation from cancer. Additional tests such as a CBC, Chemistry, Urinalysis, Cytology/Biopsy, and/or Imaging may be needed to confirm or deny the suspicion of cancer in your patient.

Belle – What to do next?

- Owner agrees to an abdominal ultrasound and chest film
- Cranial mediastinal mass on chest rads
- Perform FNA to get definitive diagnosis

Result

Unfortunately LSA.