



Lab Report For:

PATIENT NAME: Rosie Stephanus

VETERINARIAN: Dr. Michael Brown

SPECIMEN ID #: 145555

DRAW DATE: 30-Sep-14

FACILITY: Main Street Animal Hospital

SPECIES: Canine

RECEIVED DATE: 1-Oct-14

11 Main Street

GENDER: Male Neutered

SAMPLE TYPE: Serum

Fairview, CA 99999

BREED: Australian Shepherd

COMMENTS: none

PH: 555-555-5151

AGE: 5.0

FAX: 555-555-5252

WEIGHT: 59 lb

INCaSe Health Screen

REPORT DATE: 6-Oct-2014

TEST NAME	RESULT	UNITS	FLAG	REFERENCE INTERVAL	INTERPRETIVE COMMENT
CRA Score Cancer Risk Assessment	2.1	index	VERY LOW	Very Low Risk: ≤ 2.1 Low Risk: 2.2 - 5.3 Elevated Risk: 5.4 - 8.9 Highly Elevated Risk: ≥ 9.0	Patient tested significantly below threshold. Very low risk of a major cancer incident within the next 4-6 months.
c-CRP Systemic Inflammation	1.7	mg/L	OPTIMUM	Optimum ≤ 1.9 Normal: ≤ 3.9 Low Inflammation: 4 - 9.9 Mod Inflammation: 10 - 39.9 High Inflammation: ≥ 40	

VitDCANINE

VitD 25 hydroxy-vitamin D	67.0	ng/mL	INSUFFICIENT	Deficient: ≤ 24.9 Insufficient: 25.0 - 99.9 Sufficient: 100 - 120	RxD3 for Pets VDI recommends RxD3 supplement by Rx Vitamins with the following dosage: 9 drops per day To order/ support, please call (800) 792-2222
Supplementation	Weight 59 lb	Dose 890 IU/day			

If 25(OH)D levels are found to be inadequate, supplementation may be warranted. Supplementation will vary based upon initial 25(OH)D level and weight. Monitoring is recommended to prevent over-supplementation. If 25(OH)D is over 150ng/mL, it is recommended that diet and/or supplementation be modified to prevent toxicity. Toxicity levels have not been accurately established, however, based upon human data, extremely high levels of 25(OH)D are required to induce toxicity.

Vitamin D3 dosing guideline is based upon the weight of the animal and is a recommendation for routine supplementation. Equilibrium is achieved in about 4-6 weeks and should be re-tested to ensure proper levels. Advise the pet owner not to over-supplement. Ongoing supplementation is required to maintain vitamin D sufficiency and should not require modification unless diet changes or annual testing confirms a change is warranted. Serum calcium should be evaluated prior to supplementation.

General Comments

INCaSe is based upon a patent-pending dual biomarker algorithm that has been optimized around dysregulated proliferation marker thymidine kinase type 1 (TK1) and general inflammatory marker, canine C-reactive protein (c-CRP). Studies have shown INCaSe to be highly sensitive in the early detection of cancer in dogs or other serious diseases with no overt signs. INCaSe should NOT be used on dogs with suspected or confirmed cancer.

CRA Score

The CRA score unifies TK1 and CRP to assess the overall risk of cancer and other serious diseases. As the CRA score approaches 10, the likelihood of cancer increases significantly. No further action is required if CRA scores are at or below 5.3 as the incidence of a cancer event is extremely low.

CRA scores between 5.4 and 8.9 indicates that TK levels and associated inflammatory response (c-CRP) are above threshold levels. Patient may have an increased risk of neoplasia or other disorders responsible for elevations and should be evaluated. If neoplasia or other diseases are not readily detected, patient should be monitored for the development of signs. In the absence of signs, patient should be retested in approximately one to two months. Please note: The CRA score is highly sensitive. A Positive finding is NOT confirmation of cancer. Retesting will provide further guidance.

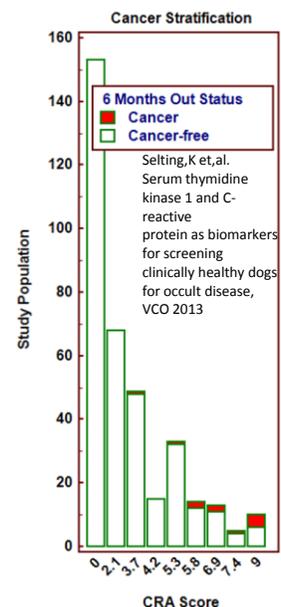
CRA scores 9 and above indicates that both TK1 levels and associated inflammatory response (c-CRP) are significantly above threshold levels. Patients that fall into this category should be promptly evaluated for source of disease.

C-Reactive Protein

Serum canine C-reactive protein (c-CRP) has been shown to be an effective measure of general inflammation and health. The concentration of c-CRP correlates to both the severity and duration of the inflammatory stimuli. Transient acute inflammation may be seen after immunization, infection or trauma. Chronic inflammation is often associated with neoplasia and other serious disorders. The source of inflammation should be carefully evaluated.

Vitamin D

In addition to calcium metabolism, VitD modulates cell growth, neuromuscular and immune function, and reduces inflammation. Cancer and other serious diseases are associated with low stores of VitD. Supplementation may be required for dogs found deficient or insufficient. For more information, call or visit VDI (www.vdilab.com).



Tech: RR