



PATIENT NAME: Kobe Martin
SPECIMEN ID: 555555
SPECIES: Canine
GENDER: Female Spayed
AGE: 13.0
WEIGHT: 82 lb
BREED: German Shepherd

MRN: 1072056
DRAW DATE: 22-Jun-21
RECEIVED DATE: 17-Aug-21
REPORT DATE: 19-Aug-21
SAMPLE TYPE: Dried Serum - 2

VETERINARIAN:
FACILITY:

PH:
FAX:

Wellness Dashboard

<p>Vitamin D</p> <p>Insufficient</p> <p>50.4</p> <p>Sufficiency: 100-150 ng/mL</p>	<p>B12</p> <p>Low Normal</p> <p>361.3</p> <p>Normal: 220-1080 pg/mL</p>	<p>Magnesium</p> <p>Low Normal</p> <p>2.0</p> <p>Normal: 1.7-2.9 mg/dL</p>	<p>tCa</p> <p>Normal</p> <p>9.6</p> <p>Normal: 8.5 - 12.0 mg/dL</p>
<p>PTH¹⁻⁸⁴</p> <p>Normal: 4 - 38 pg/mL</p>	<p>Folate</p> <p>Normal</p> <p>16.8</p> <p>Normal: 4.3 - 21.0 ng/mL</p>		

<p>Inflammation (CRP)</p> <p>Mild</p> <p>7.8</p> <p>Optimal: ≤ 2.0 Normal: ≤ 3.9 Mild Inflammation (m): 4 - 9.9 Moderate Inflammation (M): 10 - 39.9 High Inflammation (H): ≥ 40 (mg/L)</p>	<p>Previous</p>	<p>Chemistries</p> <p>All Normal</p>
<p>0</p>		<p>CAR: 2.7</p> <p>Patient CRP/Albumin Ratio (CAR) is MILD indicating a lower risk of serious disease. Monitor patient for changes.</p>

Additional Tests (canine only)

<p>Cancer Risk</p> <p>Low</p> <p>3.2</p> <p>Very Low Risk: ≤ 2.1 Low Risk: 2.2 - 5.2 Elevated Risk: 5.3 - 8.9 Highly Elevated Risk: ≥ 9.0</p> <p>Patient's CRA score is low with an unlikely chance of occult cancer.</p>	<p>Previous</p>	<p>Osteoarthritis (HA)</p> <p>Positive</p> <p>46.8</p> <p>Normal: ≤ 20 Positive: > 20 (ng/mL)</p> <p>Hyaluronic acid is above the reference interval and is indicative of degenerative joint disease.</p>	<p>Previous</p>
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2.2 2311

Differential List



VDI Lab Services
 4685 Runway St. Ste K Simi Valley, CA 93063
 ph: 805-577-6742 fax: 805-426-8115

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The following differential list is modified based on:

Outside Ref Interval
 Within Ref Interval
 Not Performed
 Impacts List

Specialty

- Cancer Risk
- CRP
- HPT
- HA
- B12
- Folate
- PTH 1-84

Chemistries

- ALB
- ALT
- ALP
- BUN
- Creatinine
- Glucose
- Total Protein
- Globulin
- AG Ratio
- Calcium
- BUN/Creat Ratio
- Total Bili

Other Modifiers

- Age
- Breed
- Medication

CAR Ratio
2.7

The list of possible sources are common inflammatory diseases that correspond to the level of inflammation in this patient. Potential actions below may aid in further differential diagnosis. **BASED UPON CLINICAL PRESENTATION, SOME SOURCES CAN BE IMMEDIATELY EXCLUDED.**

Possible Source

(in decreasing probability)

- Degenerative Joint Disease
- Heart (non-cancer)
- IBD
- Dental disease
- Fungal
- Aseptic Respiratory

Potential Action based on clinical relevance

Actions are organized by least invasive/expensive first

- imaging, synovial fluid analysis, sfLDH
- auscultation, NT-proBNP, cTnI, imaging
- rule-in through exclusion (CRP/HPT α severity), imaging, biopsy
- examine patient
- serological panel, culture, imaging
- eosinophilia, culture, imaging

Potential Action

code 2311

1) CRA score should be considered low risk for cancer provided the patient is NOT on anti-inflammatory medication (eg, corticosteroids, NSAIDS).
 2) Supplement Vitamins D/B12 levels according the recommendations on the Vitamin D and Vitamin B12 reports.

Comments and recommendations are made in the absence of clinical background on the patient. The list of inflammatory diseases and diagnostic procedures are not exhaustive. For more detailed discussion regarding results, comments, or recommendations, please contact VDI at 805-577-6742.

Canine Chem 12 Report



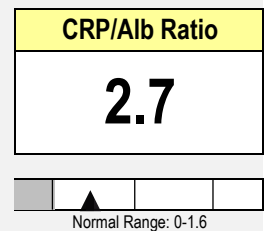
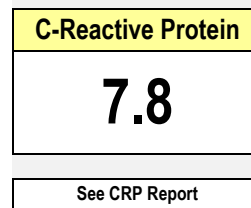
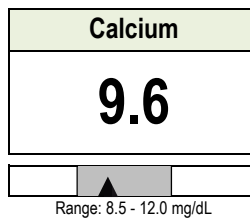
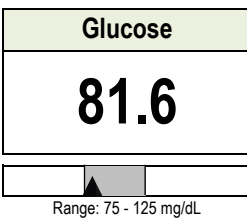
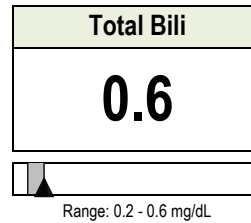
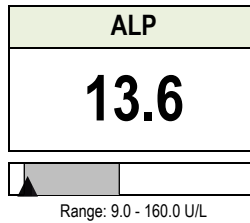
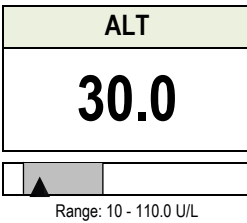
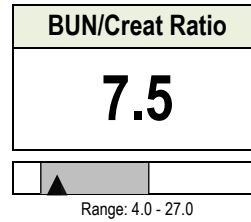
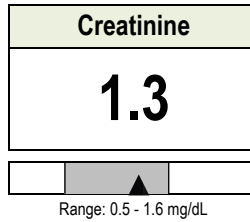
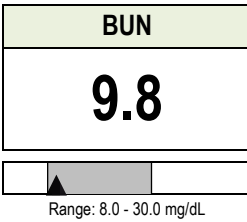
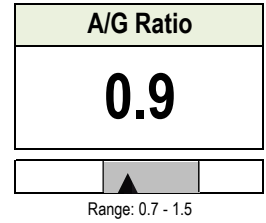
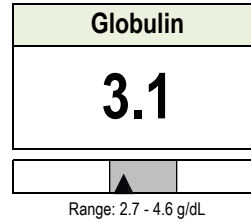
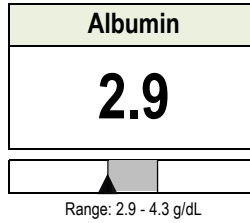
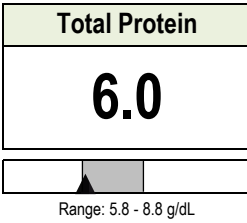
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Chemistries



Vitamin D Report

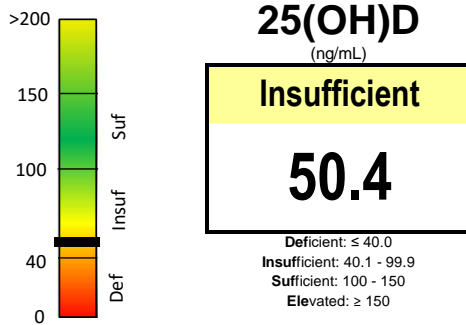


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Dose at time of draw:

1500 IU/day

Increase dose by:

4500 IU/day



New Recommended Dose Range

Low End Sufficiency
(~100 ng/mL)

High End Sufficiency
(~130 ng/mL)

6000 IU/day

8700 IU/day

For most patients without underlying conditions, or taking corticosteroids

For patients that warrant a higher VitD level and/or those on corticosteroids.

Patient History

ID	Date	Result ng/mL	Known Dose iu/day

Interpretive Comments

Your patient is found to be insufficient with current supplementation. Insufficiency greatly increases risk of developing other serious diseases. If patient is on medications such as Corticosteroids or NSAIDs, it may impact Vitamin D metabolism and/or absorption. Increase dose per recommendations and retest in 8-10 weeks or 4 months for obese patients.

If any of the following occur, wait 2 months from the date of change, then retest:

Major Diet Change
Change in Health Status (eg PLE/PLN)
Change of Vitamin D supplement or daily treats

Supplementation is stopped for longer than 4 weeks
Patient is put on Corticosteroids
Patient is put on NSAIDS

Supplementation Guide

Total Dose Recommended:

6000 IU/day

8700 IU/day

PRODUCT NAME	PRODUCT STRENGTH	PRODUCT FORMAT	Low End Dose	High End Dose
RxD3 <i>Rx Vitamins</i>	100 IU/ drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/> 2 mL/day	<input type="checkbox"/> 3 mL/day
RxD3 Forte <i>Rx Vitamins</i>	500 IU/ drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/> 12 drops/day	<input type="checkbox"/> 0.5 mL/day

Retest NO SOONER THAN:

October 28, 2021

B12 (Cobalamin) Report

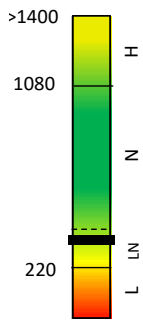


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Cobalamin (pg/mL)

Low Normal
361.3

Low (L): <220
Low Normal (LN): 220 - 400
Normal (N): 220 - 1080
High (H): ≥1080

In unfasted patients, actual B12 values may be lower, which may impact dose recommendation.

B12 Dose at time of draw:

0 mcg/day

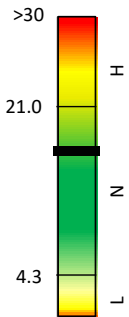
Increase B12 dose by:

455 mcg/day



New Recommended B12 Dose

Fasted Sample?	Unknown
455 mcg/day	
B12 dosing recommendations are for daily supplementation. Continue indefinitely unless changes in health or diet require modification.	



Folate (ng/mL)

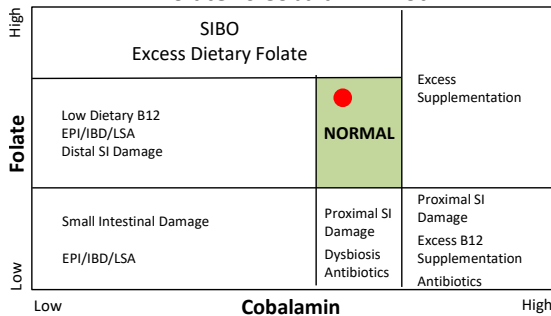
Normal
16.8

Low (L): <4.3
Normal (N): 4.3 - 21.0
High (H): > 21.0

Patient History

ID	Date	B12 pg/mL	Folate ng/mL	Known B12 Dose mcg/day

Folate vs Cobalamin Plot



Comments

Patient has low normal B12 levels. Supplement as indicated and retest in 8-10 weeks.

Total B12 Dose Recommended:

455 mcg/day

PRODUCT NAME	PRODUCT STRENGTH	PRODUCT FORMAT	Drops Dose	mL Dose
RxB12 <i>Rx Vitamins</i>	250 mcg/mL 6.5 mcg/drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/> use mL dose	<input type="checkbox"/> 1.75 mL/day
RxB12 Forte <i>Rx Vitamins</i>	1000 mcg/mL 33 mcg/drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/> use mL dose	<input type="checkbox"/> 0.5 mL/day

Retest NO SOONER THAN: October 26, 2021

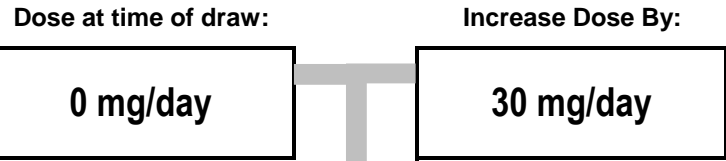
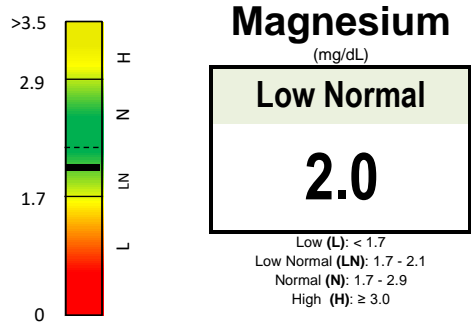


Magnesium Report

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SPECIMEN ID: 555555
SPECIES: Canine
GENDER: Female Spayed
AGE: 13.0
WEIGHT: 82 lb
BREED: German Shepherd

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DRAW DATE: 22-Jun-21
RECEIVED DATE: 17-Aug-21
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SAMPLE TYPE: Dried Serum - 2

VETERINARIAN:
FACILITY:
PH:
FAX:



New Recommended Dose

MagRatio	Not Available
30 mg/day	
Magnesium dosing recommendations are for daily supplementation. Continue indefinitely unless changes in health or diet require modification.	

Patient History

ID	Date	Result m g/dL	Known Dose mg/dL

Interpretive Comments

213

Patient has low normal Magnesium levels. Supplement as indicated. (Daily topical lotion is recommended). Retest in 90 days

Supplementation Guide

Total Dose Recommended:		30 mg/day		
PRODUCT NAME	PRODUCT STRENGTH	PUMP VOLUME	PRODUCT FORMAT	Dose
Magnesium Lotion for Pets <i>Magnum Solace</i>	50 mg/mL	0.23 mL/pump 11.5 mg/pump	Topical Lotion	<input type="checkbox"/> 3 pumps/day
Other				<input type="checkbox"/>

Retest NO SOONER THAN: November 20, 2021