13-Feb-2023

REPORT DATE:

Pre-Stem Cell Report



PATIENT NAME: Charles Song

SPECIMEN ID: 471694 SPECIES: Canine

SPECIES: Canine
GENDER: Male Neutered

AGE: 15.0
WEIGHT: 2.2 kg
BREED: Chihuahua

MRN: 1101241 INARIAN:

DRAW DATE: 2-Feb-23
RECEIVED DATE: 10-Feb-23
REPORT DATE: 13-Feb-23

SAMPLE TYPE: Dried Serum - 2

FACILITY:

HOSPITAL #:

Pre-Stem Cell Therapy Panel

Relevant Context (provided on TRF)

Corticosteroids
NSAIDs
Chemotherapy

Antibiotics	Suspected Mass	Hypercalcemia
Anemia	Enlarged Node	B12 Deficiency
GI Signs	Fever	Known Disease
·		•

Neoplasia Index®

Negative

4.1

Index

Negative: <5.3 Equivocal: 5.3 Positive: 5.4 - 8.9 High Positive: ≥ 9.0

TK1

Equivocal 8.1

Normal: ≤ 3.0 Equivocal: < 9.0 High (H): 9.0 - 24.9 Highly Elevated (HE): ≥ 25

cCRP

Normal 3.2 mg/L

Normal: ≤ 3.9 Mild Inflam (m): 4 - 9.9 Mod Inflam (M): 10 - 39.9 High Inflam (H): \geq 40

Interpretive Comments

The Neoplasia Index is negative because TK1 is only mildly elevated with no inflammation (CRP). Provided the patient is not on corticosteroids this can be considered a "rule-out" for neoplasia. It is important that there are no detectable masses present.

Interpretive Comments

TK1 is slightly elevated but below the critical threshold. Provided there are no masses, the presence of cancer is unlikely.

Interpretive Comments

CRP is within the normal interval and below the critical threshold of 4mg/L.

Hyaluronic Acid

Positive

40.4

ng/mL Normal: ≤20

Positive: >20

Comments

Hyaluronic acid is highly elevated and indicative of severe degenerative joint disease. This is useful as a baseline for therapeutic monitoring.

Contextual Comments - need consult? email consult@vdilab.com

code

121

Hyaluronic Acid Report



PATIENT NAME: Charles Song MRN: 1101241 VETERINARIAN: SPECIMEN ID: 471694 DRAW DATE: 2-Feb-23 FACILITY:

SPECIES: Canine RECEIVED DATE: 10-Feb-23
GENDER: Male Neutered REPORT DATE: 13-Feb-23
AGE: 15.0 SAMPLE TYPE: Dried Serum - 2

WEIGHT: 2.2 kg BREED: Chihuahua HOSPITAL #:

Hyaluronic Acid (ng/mL)

Positive 40.4

Normal: ≤20 Positive: >20

Change from Previous			

Patient History

ID	Date	Result n g/mL

Interpretive Comments - need consult? email consult@vdilab.com

Hyaluronic acid is above the reference interval and is indicative of degenerative joint disease, however, severe liver disease can elevate hyaluronic acid. Evaluate liver function. sHA may be elevated in wounds, ACL/CCL injury, severe liver disease, and in patients being treated with PSGAG (ie, Adequan) and oral HA supplement. Supplementing with oral HA has been shown to improve joint function. Follow recommendations below.

Phases of Degenerative Joint Disease			
Pre-/Early Mild Moderate		Severe	
HA: Serum HA (sHA) below the positive cutoff. HA is being produced and maintained inside the joints.	is being produced but early	HA: Moderate to high levels of sHA increasing with disease severity. HA is being produced but significant degeneration causes HA to leak into peripheral blood. Joint cushioning & lubrication is negatively affected.	HA: High to declining sHA levels. In severe DJD, chondrocyte cell death limits the production of HA. HA that is produced is leaked into the peripheral blood. Joint cushioning & lubrication is severely affected.
CRP: Typically absent, except in IMPA	IMPA.	CRP: Mild inflammation may be present in moderate OA,IVDD, due to mechanical damage inside the joint. IMPA presents with elevated CRP.	CRP: Moderate to high inflammation may be present in OA,IVDD. Elevated CRP in IMPA.
No clinical signs present, but dog may be predisposed or at high risk of DJD.	Dog may begin showing some stiffness or rigidness. Doesn't interfere with day-to-day activity, but gait may change during exercise.	Dog may be showing noticeable pain, stiffness, lethargy with dog being uncomfortable, crying, or becoming increasingly reluctant to walk around.	Dog is typically reluctant to walk, go to the bathroom, or perform daily activities due to increased pain that has become unbearable.

Supplementation Guide

			Dosing Guidelines - Twice Per Day	
PRODUCT NAME	Active Ingredient	PRODUCT STRENGTH	# of Pumps	mL/Day
Trixsyn® Canine Hyaluronan	Sodium Hyaluronate	13mg/pump	1 pump, twice per day	N/A
Trixsyn® Canine Performance	Sodium Hyaluronate Astaxanthin	13mg/pump 1mg/pump	1 pump, twice per day	1 pump, twice per day
Other				

Vitamin D Report



MRN: 1101241

DRAW DATE: 2-Feb-23

RECEIVED DATE: 10-Feb-23

PATIENT NAME: Charles Song

SPECIMEN ID: 471694 SPECIES: Canine

GENDER: Male Neutered
AGE: 15.0

BREED: Chihuahua

VETERINARIAN:

FACILITY:

HOSPITAL #:

AGE: 15.0 REPORT DATE: 13-Feb-23 WEIGHT: 2.2 kg SAMPLE TYPE: Dried Serum - 2

25(OH)D
(ng/mL)

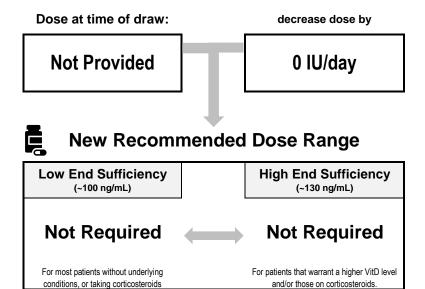
150

150

178.2

Deficient: ≤ 40.0
Insufficient: 40.1 - 99.9
Sufficient: 100 - 150
Elevated: ≥ 150

Patient History ID Date Result Known Dose ng/mL iu/day



Interpretive Comments - need consult? email consult@vdilab.com

Your patient is found to have elevated vitamin D levels. Call VDI to provide supplementation details to receive accurate dosing guidelines. If patient is unsupplemented and below 200 ng/mL and with normal calcium, maintain on current diet. If patient is above 200 ng/mL, consider diet alternatives.

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) 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 Dos	se Recommended:	Not Required	Not Req	uired
*Choose only one pr PRODUCT NAME	roduct for supplementation PRODUCT STRENGTH	PRODUCT FORMAT	Low End Dose	High End Dose
RxD3 Rx Vitamins	100 IU/ drop	Liquid Drops Applied to food		
RxD3 Forte Rx Vitamins	500 IU/ drop	Liquid Drops Applied to food		

Retest NO SOONER THAN: April 24, 2023