

Osteoarthritis Report



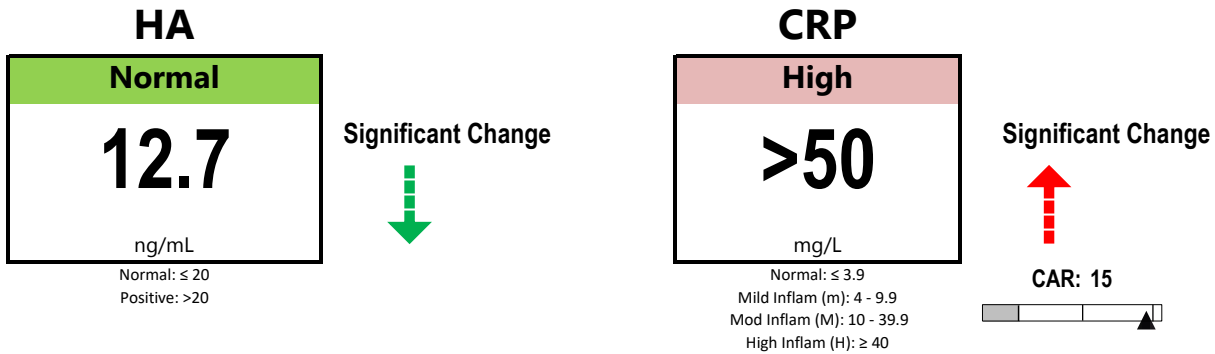
VDI Lab Services
4685 Runway St. Ste K Simi Valley, CA 93063
ph: 805-577-6742 fax: 805-426-8115

PATIENT NAME: Lola Little Shelter	MRN: 1066870	VETERINARIAN:
SPECIMEN ID: 467293	DRAW DATE: 15-Nov-22	FACILITY:
SPECIES: Canine	RECEIVED DATE: 22-Nov-22	
GENDER: Female Spayed	REPORT DATE: 23-Nov-22	
AGE: 13.0	SAMPLE TYPE: Dried Serum - 2	PH:
WEIGHT: 54 lb	PATIENT STAGE: unknown	FAX:
BREED: Husky Mix	TREATMENT: unknown	

Osteoarthritis Panel

Relevant Context (provided on TRF)

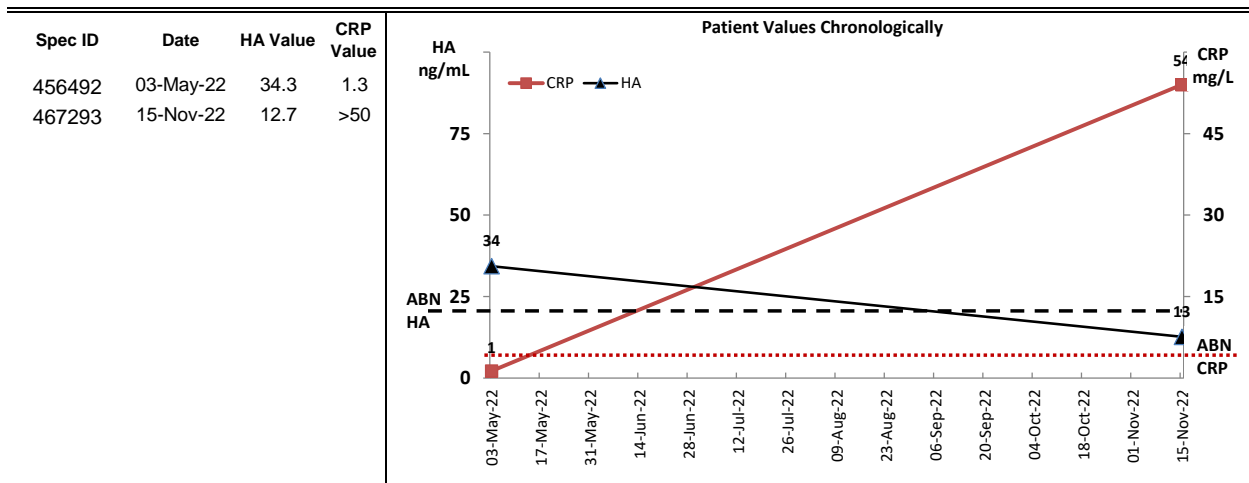
<input type="checkbox"/> Corticosteroids	<input type="checkbox"/> Antibiotic	<input type="checkbox"/> Suspected Mass	<input type="checkbox"/> Hypercalcemia
<input type="checkbox"/> NSAIDs	<input type="checkbox"/> Anemia	<input type="checkbox"/> Enlarged Node	<input type="checkbox"/> B12 Deficiency
<input type="checkbox"/> Chemotherapy	<input type="checkbox"/> GI Signs	<input type="checkbox"/> Fever	<input type="checkbox"/> Known Disease



Intpretative Comment

Patient has normal levels of HA and is inconsistent with degenerative joint disease. CRP is highly elevated which can be found in a wide array of systemic diseases such as IBD, infection, and auto-immune disorders. Patient should be evaluated and monitored.

TRENDING - sHA has decreased significantly from prior. It generally would indicate a decrease in synovial fluid production and/or leakage from the capsule. Evaluate patient.



Additional Reviewer Comments - need consult? email consult@vdi.com

code 14250

All comments are general in nature and in absence of detailed knowledge of patient status or treatment.
For case-specific consultations, please contact VDI.

Reviewer: RR



Hyaluronic Acid Report

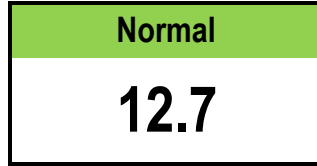
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FACILITY:

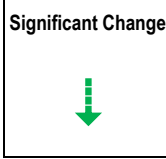
PH:
FAX:

Hyaluronic Acid (ng/mL)



Normal: ≤20
Positive: >20

Change from Previous



Patient History

ID	Date	Result ng/mL
456492	5/3/2022	34.3

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

Hyaluronic acid is within the reference interval and not indicative of degenerative joint disease.

*In cases of Severe DJD, chondrocyte death will lead to low levels of sHA since the joint is no longer producing HA.

TRENDING - sHA has decreased significantly from prior. It generally would indicate a decrease in synovial fluid production and/or leakage from the capsule. Evaluate patient.

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. CRP: Typically absent, except in IMPA	HA: sHA above positive cutoff. HA is being produced but early degeneration allows some HA to leak into peripheral blood. CRP: Typically absent, except in IMPA.	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. CRP: Mild inflammation may be present in moderate OA, IVDD, due to mechanical damage inside the joint. IMPA presents with elevated CRP.	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: 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 rigidity. 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	2 pumps, twice daily	N/A
Trixsyn® Canine Performance	Sodium Hyaluronate Astaxanthin	13mg/pump 1mg/pump	2 pumps, twice daily	2 pumps, twice daily
Other				