

Osteoarthritis Report



VDI Lab Services
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PATIENT NAME: Lola Flores
SPECIMEN ID: 171686
SPECIES: Canine
GENDER: Female Spayed
 AGE: 15.0
 WEIGHT: 7.1 lb
 BREED: Chihuahua

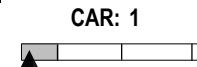
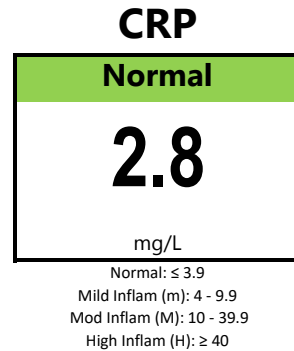
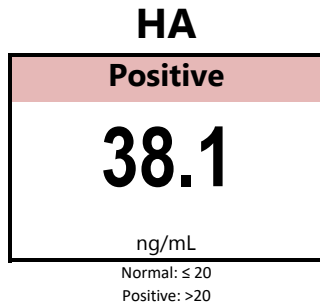
MRN: 1073593
DRAW DATE: 4-Nov-22
RECEIVED DATE: 9-Nov-22
REPORT DATE: 10-Nov-22
SAMPLE TYPE: Frozen Serum
PATIENT STAGE: unknown
TREATMENT: unknown

VETERINARIAN:
FACILITY:
PH:
FAX:

Osteoarthritis Panel

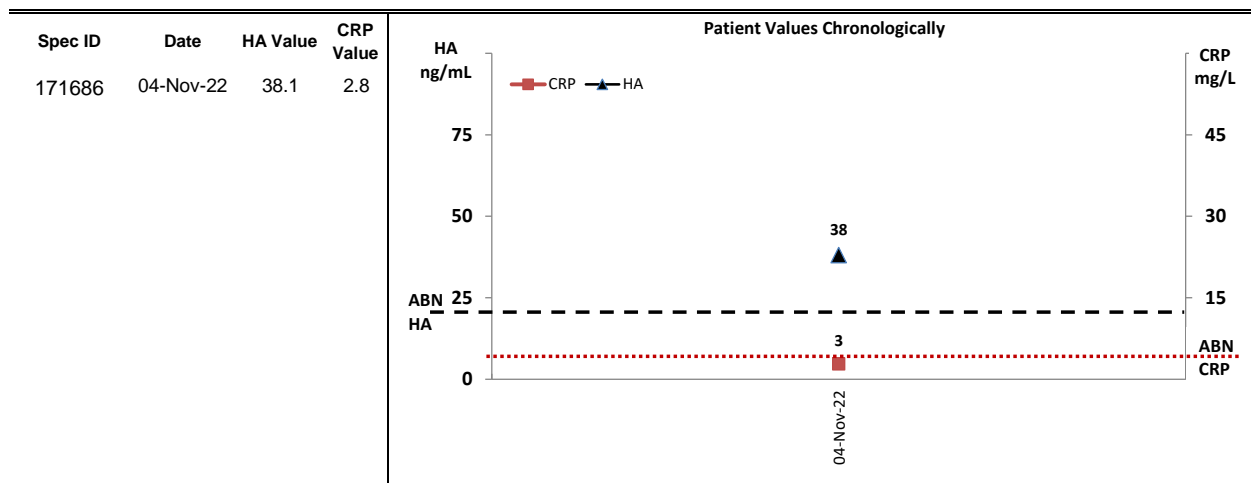
Relevant Context (provided on TRF)

Corticosteroids Antibiotic Suspected Mass Hypercalcemia
 NSAIDs Anemia Enlarged Node B12 Deficiency
 Chemotherapy GI Signs Fever Known Disease



Intpretative Comment

Patient values for HA are elevated consistent with degenerative joint disease (OA, IVDD). While CRP is typically elevated in OA with advanced disease, patients being treated with NSAIDs or corticosteriods may have normal levels of inflammation. HA may be elevated in wounds, ACL/CCL injury, severe liver disease, and in patients being treated with PSGAG (ie, Adequan).



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

code 31662

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

PATIENT NAME: Lola Flores
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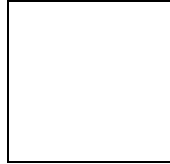
Hyaluronic Acid (ng/mL)

Positive

38.1

Normal: ≤20
Positive: >20

Change from Previous



Patient History

ID	Date	Result ng/mL

Interpretive Comments - need consult? email consult@vdlab.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. 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	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	_____			