

Osteoarthritis Report



VDI Lab Services
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PATIENT NAME: Bindi Lamb
SPECIMEN ID: 469546
SPECIES: Canine
GENDER: Female Spayed
 AGE: 8.0
WEIGHT: 78.6 lb
BREED: Boxer Mix

MRN: 1029912
DRAW DATE: 17-Nov-22
RECEIVED DATE: 21-Nov-22
REPORT DATE: 21-Nov-22
SAMPLE TYPE: Dried Serum - 2
PATIENT STAGE: Suspected
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

HA

Normal

19.0

ng/mL

Normal: ≤ 20
Positive: >20

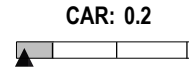
CRP

Normal

0.8

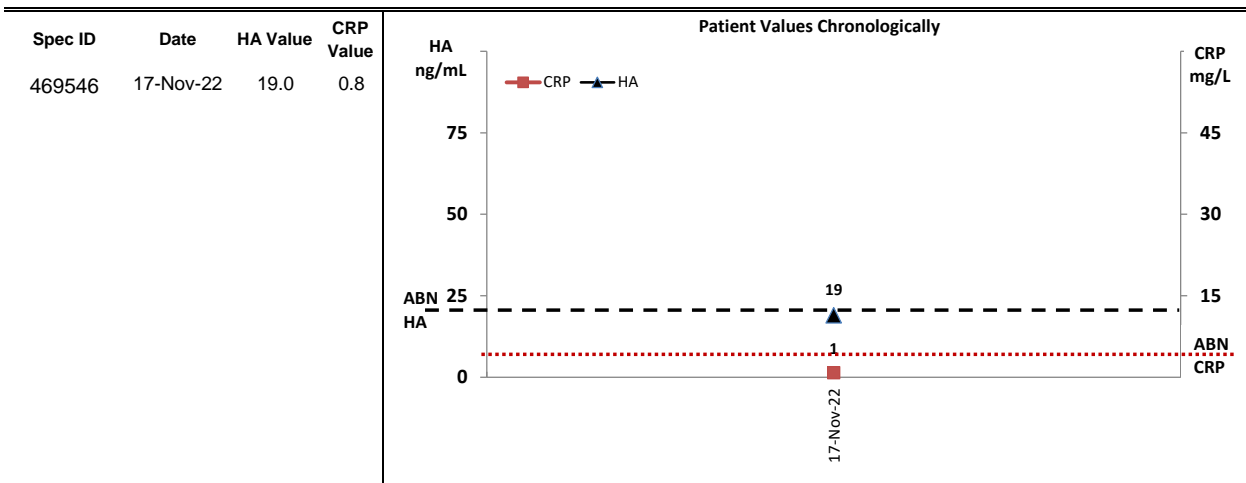
mg/L

Normal: ≤ 3.9
Mild Inflamm (m): 4 - 9.9
Mod Inflamm (M): 10 - 39.9
High Inflamm (H): ≥ 40



Intpretative Comment

Patient values for HA and CRP are within normal intervals.



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

code 11660

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: Bindi Lamb
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GENDER: Female Spayed
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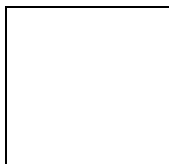
Hyaluronic Acid (ng/mL)

Normal

19.0

Normal: ≤20
Positive: >20

Change from Previous



Patient History

| ID | Date | Result ng/mL |
|----|------|-----------------|
| | | |

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.

| 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 | _____ | | | |