

## PennHIP Report

Referring Veterinarian: Dr Rachael Campbell  
Email: binford@petwellnessclinics.com

Clinic Name: Binford Pet Wellness Clinic  
Clinic Address: 5640 E. 71st Street  
Indianapolis, IN 46220  
Phone: (317) 578-1298  
Fax: (317) 288-0923

## Patient Information

Client: Vestal, Kerdra  
Patient Name: Noble Vestals Dandelion  
Wishes  
Reg. Name: Noble Vestal's Dandelion Wishes  
PennHIP Num: 170120  
Species: Canine  
Date of Birth: 02 Feb 2021  
Sex: Female  
Date of Study: 04 Mar 2022  
Date of Report: 08 Mar 2022

Tattoo Num:  
Patient ID: FATTY  
Registration Num: ALAA 1111056  
Microchip Num: 933000320481810  
Breed: MIXED BREED  
Age: 13 months  
Weight: 52 lbs/23.6 kgs  
Date Submitted: 04 Mar 2022

## Findings

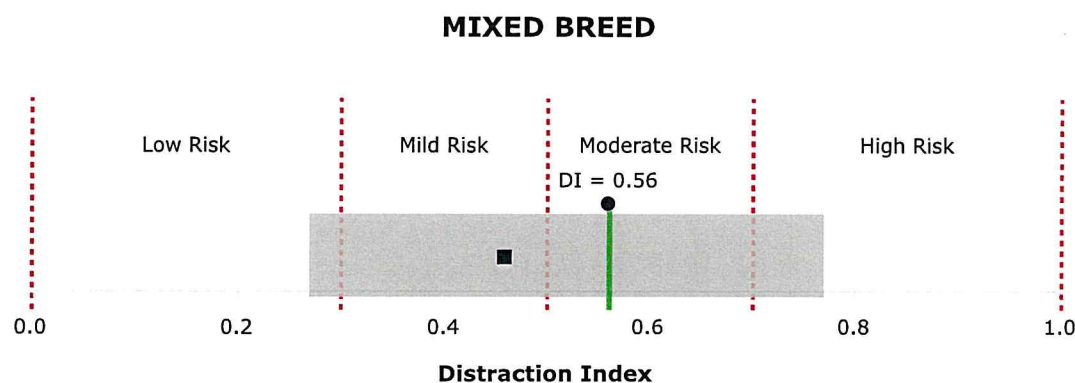
Distraction Index (DI): Right DI = 0.56, Left DI = 0.50.  
Osteoarthritis (OA): No radiographic evidence of OA for either hip.  
Cavitation/Other Findings: No cavitation present.

## Interpretation

Distraction Index (DI): The laxity ranking is based on the hip with the greater laxity (larger DI). In this case the DI used is 0.56.

OA Risk Category: The DI is between 0.50 and 0.69. This patient is at moderate risk for hip OA.

Distraction Index Chart:



**BREED STATISTICS:** This interpretation is based on a cross-section of 11456 canine patients of the MIXED BREED breed in the AIS PennHIP database. The gray strip represents the central 90% range of DIs (0.27 - 0.77) for the breed. The breed average DI is 0.46 (solid square). The patient DI is the solid circle (0.56).

**SUMMARY:** The degree of laxity (DI = 0.56) falls within the central 90% range of DIs for the breed. This amount of hip laxity places the hip at a moderate risk to develop hip OA. No radiographic evidence of OA for either hip.

**INTERPRETATION AND RECOMMENDATIONS:** No OA/Moderate Risk: Likely to develop radiographic evidence of hip OA by 1-10 years of age (70% of dogs.) The risk to develop OA, the timing of OA onset, and the rate of progression are dependent upon many factors including DI, breed, body weight, age, and activity levels.

**Recommendations:** Evidence-based strategies to lower the risk of dogs getting OA or to treat those having OA fall into 5 modalities.\* For detailed information, consult these documents.\* Use any or all of these modalities as needed:

- 1) For acute or chronic pain prescribe NSAID PO short or long term. Amantadine can be added if response is marginal or if neuropathic pain is suspected.
- 2) Optimize body weight, keep lean, at BCS = 5/9.
- 3) Prescribe therapeutic exercise at intensities that do not precipitate lameness.
- 4) Administer polysulfated glycosaminoglycans IM or SQ, so-called DMOAD.
- 5) Feed an EPA-rich prescription diet preventatively for dogs at risk for OA or therapeutically for dogs already showing radiographic signs of OA.

At the present time there is inadequate evidence to confidently recommend any of the many other remedies to prevent or treat OA. Studies are in progress. Consider repeating radiographs at periodic intervals to determine the rate of OA progression and adjust treatment accordingly. Older dogs may show clinical signs such as chronic pain, reluctance to go stairs or jump onto the bed, and stiffness particularly after resting. It is unlikely that end-stage hip disease will develop for dogs at this risk level so surgical therapy for the pain of hip OA would rarely be indicated.

**Breeding Recommendations:** Please consult the PennHIP Manual.

\* From WSAVA Global Pain Council Guidelines and the 2015 AAHA/AAFP Pain Management Guidelines

## **COMMENTS:**

None



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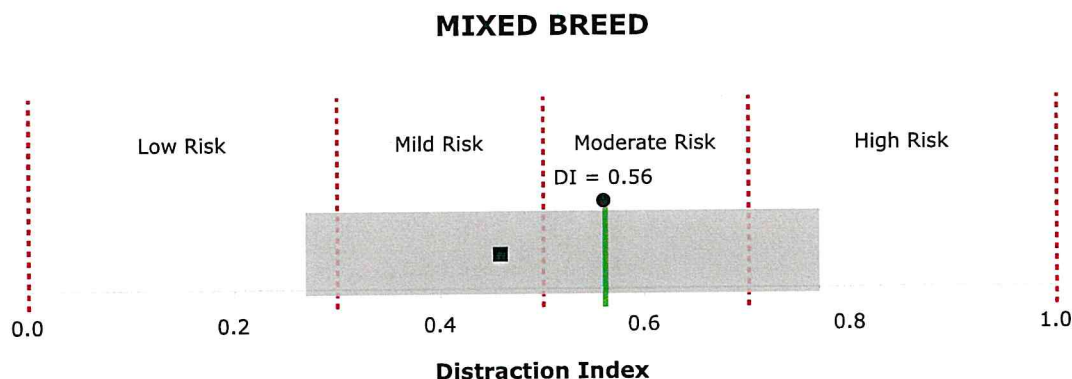
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