

3382 Capital Circle NE  
Tallahassee, FL 32308

## Genetic Testing Report

Kona

<b>Submitted By</b> Nelson Burkholder  4955 TR 369 Millersburg, OH 44654 USA		<b>Owned By</b> Nelson Burkholder  4955 TR 369 Millersburg, OH 44654 USA	
<b>Subject Dog</b>			
<b>Name:</b> Kona <b>Breed:</b> Bernese Mountain Dog <b>Phenotype:</b> Tri Colored <b>Sex:</b> Female <b>Birth:</b> 08/--/2020		<b>Lab Reference #:</b> 849936 <b>Sample Date:</b> 10/29/2024 <b>Research Date:</b> 10/29/2024 <b>Microchip:</b>	
<b>Disorder Results(3 of 3)</b>			
DM	n/n	Clear: Dog is negative for mutation associated with Degenerative Myelopathy.	
DM-B	n/n	Clear: Dog is negative for mutation associated with Degenerative Myelopathy-b.	
vWD1	n/n	Clear: Dog is negative for the mutation associated with von Willebrand's Disease Type I.	

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

OODLES OF BLESSINGS KONA  
*registered name*

BERNESE MOUNTAIN DOG  
*breed*

*film/test/lab #*

985113009251168  
*tattoo/microchip/DNA profile*

2627790  
*application number*

05/16/2025  
*date of report*

**RESULTS:**

Based upon the exam dated 05/07/2025, this dog has been found to be free of observable inherited eye disease and has been issued an Eye Certification Registry Number which is valid for one year from the time of the exam.

WS79764403  
*registration no.*

F  
*sex*

02/25/2023  
*date of birth*

26  
*age at evaluation in months*



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BMD-EYE4853/26F-VPI  
*O.F.A. NUMBER*

*This number issued with the right to correct or  
revoke by the Orthopedic Foundation for Animals.*

NORMAL

**owner**  
NELSON BURKHOLDER  
4955 TR 369  
MILLERSBURG OH 44654

OFA eCert



Verify QR scan

*G.G. Keller DVM*

G.G. KELLER, DVM, MS, DACVR  
CHIEF OF VETERINARY SERVICES

[www.ofa.org](http://www.ofa.org)

This electronic OFA certificate was generated on: 05/16/2025

This certification can be verified on the OFA website by entering the dog's registration number into the orange search box located at the top of the page or by scanning the QR code above.

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Orthopedic Foundation for Animals, Inc.  
2300 E. Nifong Blvd.  
Columbia, MO 65201-3806

OFA website: [www.ofa.org](http://www.ofa.org)  
E-mail address: [ofa@ofa.org](mailto:ofa@ofa.org)  
Phone number: 573-442-0418  
Fax number: 573-875-5073

## PennHIP Report

Referring Veterinarian: Dr Thomas Hitzeman  
Email: dr.tom@auburnhillsanimalhospital.com

Clinic Name: Auburn Hills Animal Hospital  
Clinic Address: 3120 County Road 36  
Auburn, IN 46706  
Phone:  
Fax:

## Patient Information

Client: CAREY, Nicole  
Patient Name: KONA  
Reg. Name:  
PennHIP Num: 208085  
Species: Canine  
Date of Birth: 25 Feb 2023  
Sex: Female  
Date of Study: 16 Oct 2024  
Date of Report: 16 Oct 2024

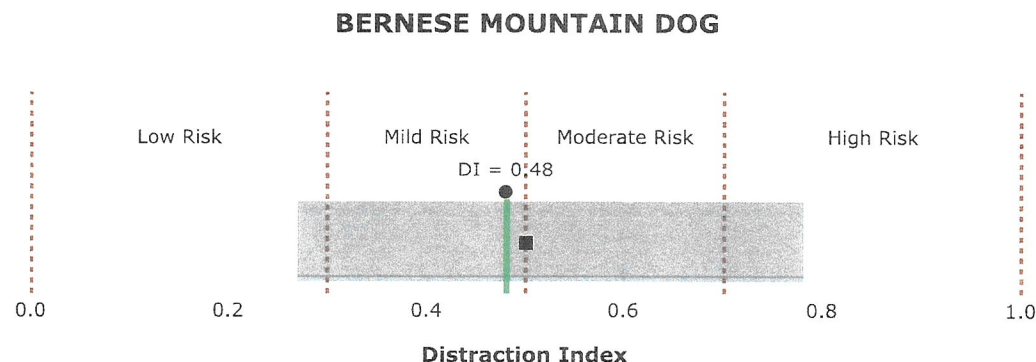
Tattoo Num:  
Patient ID: CAREY;KONA  
Registration Num:  
Microchip Num: 985113009251168  
Breed: BERNESE MOUNTAIN DOG  
Age: 20 months  
Weight: 83 lbs/37.6 kgs  
Date Submitted: 16 Oct 2024

## Findings

Distraction Index (DI): Right DI = 0.42, Left DI = 0.48.  
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 0.48.  
OA Risk Category: The DI is between 0.31 and 0.49. This patient is at mild risk for hip OA.  
Distraction Index Chart:



**BREED STATISTICS:** This interpretation is based on a cross-section of 4711 canine patients of the BERNESE MOUNTAIN DOG breed in the AIS PennHIP database. The gray strip represents the central 90% range of DIs (0.27 - 0.78) for the breed. The breed average DI is 0.50 (solid square). The patient DI is the solid circle (0.48).

**SUMMARY:** The degree of laxity (DI = 0.48) falls within the central 90% range of DIs for the breed. This amount of hip laxity places the hip at a mild risk to develop hip OA. No radiographic evidence of OA for either hip.



## PennHIP Report

Referring Veterinarian: Dr Thomas Hitzeman  
Email: dr.tom@auburnhillsanimalhospital.com

Clinic Name: Auburn Hills Animal Hospital  
Clinic Address: 3120 County Road 36  
Auburn, IN 46706  
Phone:  
Fax:

## Patient Information

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Species: Canine  
Date of Birth: 25 Feb 2023  
Sex: Female  
Date of Study: 16 Oct 2024  
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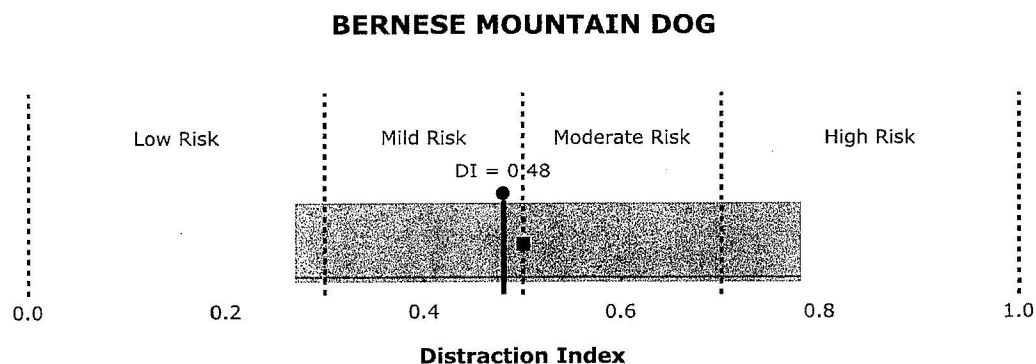
Tattoo Num:  
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Registration Num:  
Microchip Num: 985113009251168  
Breed: BERNESE MOUNTAIN DOG  
Age: 20 months  
Weight: 83 lbs/37.6 kgs  
Date Submitted: 16 Oct 2024

## Findings

Distraction Index (DI): Right DI = 0.42, Left DI = 0.48.  
Osteoarthritis (OA): **No radiographic evidence of OA for either hip.**  
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## Interpretation

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**BREED STATISTICS:** This interpretation is based on a cross-section of 4711 canine patients of the BERNESE MOUNTAIN DOG breed in the AIS PennHIP database. The gray strip represents the central 90% range of DIs (0.27 - 0.78) for the breed. The breed average DI is 0.50 (solid square). The patient DI is the solid circle (0.48).

**SUMMARY:** The degree of laxity (DI = 0.48) falls within the central 90% range of DIs for the breed. This amount of hip laxity places the hip at a mild risk to develop hip OA. **No radiographic evidence of OA for either hip.**

**INTERPRETATION AND RECOMMENDATIONS:** No OA/Mild Risk: Low risk to develop radiographic evidence of hip OA early in life, however OA may manifest after 6 years of age or later. Risk of OA increases as DI, age, body weight, and activity level increase. OA susceptibility is breed specific, larger breeds being more susceptible.

**Recommendations:** Evidence-based strategies to lower the risk of dogs developing hip 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 a neuropathic component to the 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 2022 WSAVA guidelines for the recognition, assessment and treatment of pain and the 2022 AAHA Pain Management Guidelines for Dogs and Cats

## **COMMENTS:**

This was a good set!

Pamela McKelvie, V.M.D.  
Email: [pamela.mckelvie@antechdx.com](mailto:pamela.mckelvie@antechdx.com)

## ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

OODLES OF BLESSINGS KONA  
*registered name*

BERNESE MOUNTAIN DOG  
*breed*

*film/test/lab #*

985113009251168  
*tattoo/microchip/DNA profile*

2627790  
*application number*

07/07/2025  
*date of report*

**RESULTS:**

The elbows are normal. No radiographic evidence of elbow dysplasia is present.

WS79764403  
*registration no.*

F  
*sex*

02/25/2023  
*date of birth*

27  
*age at evaluation in months*



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BMD-EL18198F27-P-VPI  
*O.F.A. NUMBER*

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NORMAL

**owner** NELSON BURKHOLDER  
4995 TOWNSHIP ROAD 369  
MILLERSBURG OH 44654



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**ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.**

**OODLES OF BLESSINGS KONA**  
*registered name*

**BERNESE MOUNTAIN DOG**  
*breed*

*film/test/lab #*

**985113009251168**  
*tattoo/microchip/DNA profile*

**2627790**  
*application number*

**07/07/2025**  
*date of report*

**RESULTS:**

No radiographic evidence of hip dysplasia is present. The consensus evaluation is: FAIR

**WS79764403**  
*registration no.*

**F**  
*sex*

**02/25/2023**  
*date of birth*

**27**  
*age at evaluation in months*



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**BMD-28388F27F-P-VPI**  
*O.F.A. NUMBER*

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**owner**  
**NELSON BURKHOLDER**  
**4995 TOWNSHIP ROAD 369**  
**MILLERSBURG OH 44654**

OFA eCert



Verify QR scan

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