

3382 Capital Circle NE
Tallahassee, FL 32308

Genetic Testing Report

Kona

Submitted By

Nelson Burkholder

4955 TR 369
Millersburg, OH 44654
USA

Owned By

Nelson Burkholder

4955 TR 369
Millersburg, OH 44654
USA

Subject Dog

Name: Kona
Breed: Bernese Mountain Dog
Phenotype: Tri Colored
Sex: Female
Birth: 08/--/2020

Lab Reference #: 849936
Sample Date: 10/29/2024
Research Date: 10/29/2024
Microchip:

Disorder Results(3 of 3)

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



A Not-For-Profit Organization

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, MS, DACVR
CHIEF OF VETERINARY SERVICES

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.

If there are any errors on this certificate, please email CORRECTIONS@OFA.ORG to request a correction.

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

OFA website: www.ofa.org
E-mail address: ofa@ofa.org
Phone number: 573-442-0418
Fax number: 573-875-5073

PennHIP Report

Referring Veterinarian: Dr Thomas Hitzeman	Clinic Name: Auburn Hills Animal Hospital
Email: dr.tom@auburnhillsanimalhospital.com	Clinic Address: 3120 County Road 36 Auburn, IN 46706
	Phone:
	Fax:

Patient Information

Client: CAREY, Nicole	Tattoo Num:
Patient Name: KONA	Patient ID: CAREY;KONA
Reg. Name:	Registration Num:
PennHIP Num: 208085	Microchip Num: 985113009251168
Species: Canine	Breed: BERNESE MOUNTAIN DOG
Date of Birth: 25 Feb 2023	Age: 20 months
Sex: Female	Weight: 83 lbs/37.6 kgs
Date of Study: 16 Oct 2024	Date Submitted: 16 Oct 2024
Date of Report: 16 Oct 2024	

Findings

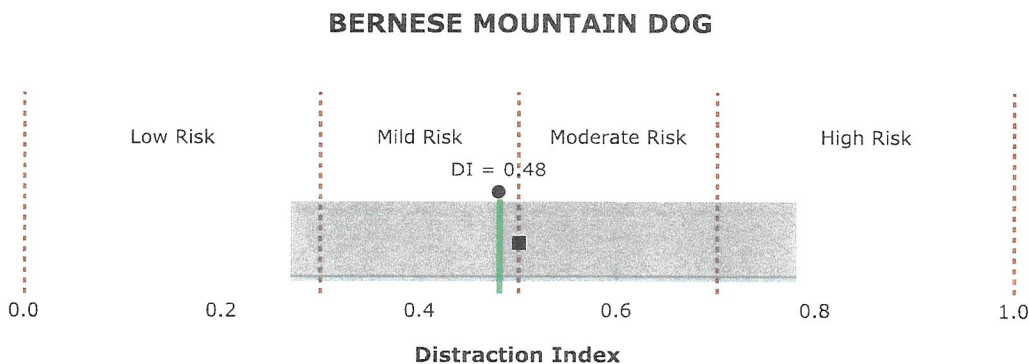
Distraction Index (DI): Right DI = 0.42, Left DI = 0.48.
Osteoarthritis (OA): No radiographic evidence of OA for either hip.
Cavitation/Other Findings: No cavitation present.

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	Clinic Name: Auburn Hills Animal Hospital
Email: dr.tom@auburnhillsanimalhospital.com	Clinic Address: 3120 County Road 36 Auburn, IN 46706
	Phone:
	Fax:

Patient Information

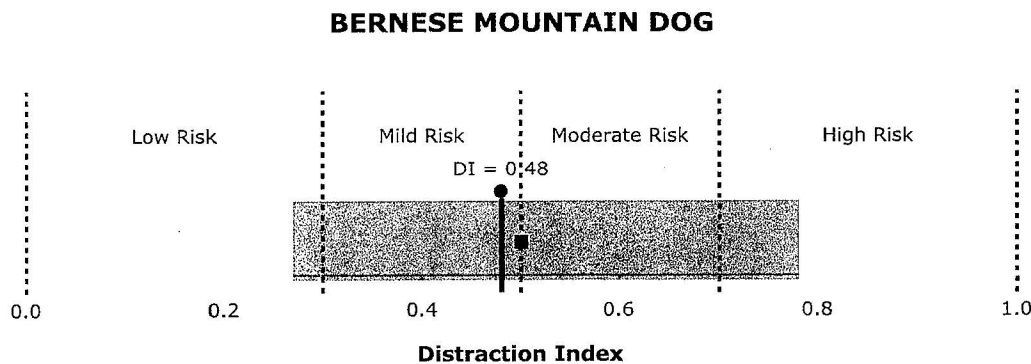
Client: CAREY, Nicole	Tattoo Num:
Patient Name: KONA	Patient ID: CAREY;KONA
Reg. Name:	Registration Num:
PennHIP Num: 208085	Microchip Num: 985113009251168
Species: Canine	Breed: BERNESE MOUNTAIN DOG
Date of Birth: 25 Feb 2023	Age: 20 months
Sex: Female	Weight: 83 lbs/37.6 kgs
Date of Study: 16 Oct 2024	Date Submitted: 16 Oct 2024
Date of Report: 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.**

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

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



A Not-For-Profit Organization

BMD-EL18198F27-P-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
4995 TOWNSHIP ROAD 369
MILLERSBURG OH 44654

OFA eCert



Verify QR scan

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

www.ofa.org

This electronic OFA certificate was generated on: 07/07/2025

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.

If there are any errors on this certificate, please email CORRECTIONS@OFA.ORG to request a correction.

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

OFA website: www.ofa.org
E-mail address: ofa@ofa.org
Phone number: 573-442-0418
Fax number: 573-875-5073

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.

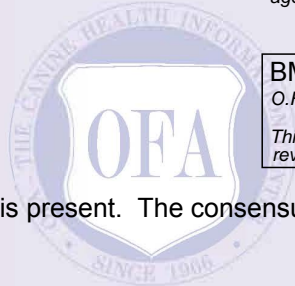
F
sex

02/25/2023
date of birth

27
age at evaluation in months



A Not-For-Profit Organization



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

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

owner
NELSON BURKHOLDER
4995 TOWNSHIP ROAD 369
MILLERSBURG OH 44654

OFA eCert



Verify QR scan

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

www.ofa.org

This electronic OFA certificate was generated on: 07/07/2025

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.

If there are any errors on this certificate, please email CORRECTIONS@OFA.ORG to request a correction.

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

OFA website: www.ofa.org
E-mail address: ofa@ofa.org
Phone number: 573-442-0418
Fax number: 573-875-5073

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

OODLES OF BLESSINGS KONA
registered name

BERNESE MOUNTAIN DOG
breed

849936
film/test/lab #

985113009251168
tattoo/microchip/DNA profile

2627790
application number

04/20/2026
date of report

RESULTS:

DEGENERATIVE MYELOPATHY (DM): N/N, TWO NORMAL COPIES OF THE GENE ASSOCIATED WITH DM SUSCEPTIBILITY

These results are based on the Animal Genetics laboratory report and the owner's certification that the sample provided was from the animal described above. The OFA registers these lab results, but cannot warrant the accuracy of the lab results.

owner

NELSON BURKHOLDER
4995 TOWNSHIP ROAD 369
MILLERSBURG OH 44654

OFA eCert



Verify QR scan

WS79764403
registration no.

F
sex

02/25/2023
date of birth

20
age at evaluation in months



A Not-For-Profit Organization

BMD-DM3702/20F-PI
O.F.A. NUMBER

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

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

www.ofa.org

This electronic OFA certificate was generated on: 04/20/2026

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

If there are any errors on this certificate, please email CORRECTIONS@OFA.ORG to request a correction.

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

OFA website: www.ofa.org
E-mail address: ofa@ofa.org
Phone number: 573-442-0418
Fax number: 573-875-5073

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

OODLES OF BLESSINGS KONA
registered name

BERNESE MOUNTAIN DOG
breed

849936
film/test/lab #

985113009251168
tattoo/microchip/DNA profile

2627790
application number

04/20/2026
date of report

RESULTS:

Degenerative Myelopathy B (DMB): Clear/Normal for the SOD1B Mutation

These results are based on the Animal Genetics laboratory report and the owner's certification that the sample provided was from the animal described above. The OFA registers these lab results, but cannot warrant the accuracy of the lab results.

owner

NELSON BURKHOLDER
4995 TOWNSHIP ROAD 369
MILLERSBURG OH 44654

OFA eCert



Verify QR scan

WS79764403
registration no.

F
sex

02/25/2023
date of birth

20
age at evaluation in months



A Not-For-Profit Organization

BMD-DMB565/20F-PI
O.F.A. NUMBER

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

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

www.ofa.org

This electronic OFA certificate was generated on: 04/20/2026

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

If there are any errors on this certificate, please email **CORRECTIONS@OFA.ORG** to request a correction.

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

OFA website: www.ofa.org
E-mail address: ofa@ofa.org
Phone number: 573-442-0418
Fax number: 573-875-5073

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

OODLES OF BLESSINGS KONA
registered name

BERNESE MOUNTAIN DOG
breed

849936
film/test/lab #

985113009251168
tattoo/microchip/DNA profile

2627790
application number

04/20/2026
date of report

RESULTS:
VON WILLEBRAND'S (VWD): N/N CLEAR

These results are based on the Animal Genetics laboratory report and the owner's certification that the sample provided was from the animal described above. The OFA registers these lab results, but cannot warrant the accuracy of the lab results.

owner
NELSON BURKHOLDER
4995 TOWNSHIP ROAD 369
MILLERSBURG OH 44654

OFA eCert



Verify QR scan

WS79764403
registration no.

F
sex

02/25/2023
date of birth

20
age at evaluation in months



A Not-For-Profit Organization

BMD-VW1734/20F-PI
O.F.A. NUMBER

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

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

www.ofa.org

This electronic OFA certificate was generated on: 04/20/2026

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

If there are any errors on this certificate, please email CORRECTIONS@OFA.ORG to request a correction.

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

OFA website: www.ofa.org
E-mail address: ofa@ofa.org
Phone number: 573-442-0418
Fax number: 573-875-5073