

AMERICAN KENNEL CLUB

NAME
OTIS OF HIGH COUNTRY

NUMBER
WS55604101

BREED
BERNESE MOUNTAIN DOG

SEX
MALE

COLOR
BLACK RUST & WHITE

DATE OF BIRTH
NOVEMBER 12, 2016

SIRE
KRYPTON FOWLER'S LAND
WS46678001 07-15 (EYE34 AKC DNA #V753389) (YUG)

DAM
MISHKA IV
WS47450501 10-16

BREEDER
LYNN TERESE HINDMAN

OWNER

ADA M KAUFMAN
180 GREAT TWINS RD.
LIVERMORE CO 80536



AMERICAN
KENNEL CLUB®

CERTIFICATE ISSUED
MARCH 9, 2017

This certificate invalidates all previous certificates issued.

If a date appears after the name and number of the sire and dam, it indicates the issue of the Stud Book Register in which the sire or dam is published.

For Transfer Instructions, see back of Certificate.

This Certificate issued with the right to correct or revoke by the American Kennel Club.

REGISTRATION CERTIFICATE

"Otis of High Country"



CERTIFICATE OF RESULTS

OWNER'S NAME: ADA M KAUFMAN
PET'S NAME**: PUPPY #1 (MISHKA)

PET'S REGISTRATION #: NOT PROVIDED
PET'S BREED: BERNESE MOUNTAIN DOG
TEST: DEGENERATIVE MYELOPATHY (DM)
DATE: 1/3/2017

Explanation of Results:

<u>SCORE</u>	<u>RECESSIVE</u>	<u>DOMINANT</u>
A	Clear/Normal	Clear/Normal
B	Carrier/Not Affected	Carrier/Affected
C	At Risk/Affected	At Risk/Affected

TEST SCORE*:

A

SAMPLE ID #:

16621

For detailed result explanation
please visit our website:

www.GenSolDx.com

*All samples submitted to GenSol become the property of GenSol and may be used for internal quality control and/or research purposes. Test results provide information concerning a pet's DNA sequence and are not an indication or guarantee of pet's disease state or condition. Test results alone should not be used to diagnosis, treat or prevent disease.

**GenSol warrants its test results to be accurate for the sample obtained from the above dog. In the event of a valid claim, owner's sole remedy is a refund of the fee paid. IN NO EVENT SHALL GEN SOL BE LIABLE FOR INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND. Any claim must be asserted within one year of the report of test results.

**Please consult a licensed veterinarian
to discuss the implications of the above test results.**

125 North Main Street Unit 1846, Clayton, GA 30525

(407) 530-3788 - info@Gensoldx.com

WWW.GENSOLDX.COM



CERTIFICATE OF RESULTS

OWNER'S NAME: ADA M. KAUFMAN
PET'S NAME**: OTIS OF HIGH COUNTRY

PET'S REGISTRATION #: WS55604101
PET'S BREED: BERNESE MOUNTAIN DOG
TEST: SOD1B DEGENERATIVE MYELOPATHY (SOD1B)
DATE: 4/17/2017

Explanation of Results:

<u>SCORE</u>	<u>RECESSIVE</u>	<u>DOMINANT</u>
A	Clear/Normal	Clear/Normal
B	Carrier/Not Affected	Carrier/Affected
C	At Risk/Affected	At Risk/Affected

TEST SCORE*:

A

SAMPLE ID #:

57926

For detailed result explanation
please visit our website:

www.GenSolDx.com

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CERTIFICATE OF RESULTS

OWNER'S NAME: ADA M. KAUFMAN
PET'S NAME:** OTIS OF HIGH COUNTRY

PET'S REGISTRATION #: WS55604101
PET'S BREED: BERNESE MOUNTAIN DOG
TEST: VON WILLEBRAND'S DISEASE TYPE 1 (VWD1)
DATE: 4/17/2017

Explanation of Results:

<u>SCORE</u>	<u>RECESSIVE</u>	<u>DOMINANT</u>
A	Clear/Normal	Clear/Normal
B	Carrier/Not Affected	Carrier/Affected
C	At Risk/Affected	At Risk/Affected

TEST SCORE*:

A

SAMPLE ID #:

57927

For detailed result explanation
please visit our website:

www.GenSolDx.com

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AMERICAN KENNEL CLUB · FOUNDED 1884

Certified Pedigree

Sire **KRYPTON FOWLER'S LAND**
WS46678001 (07-15) BLK RST & WH (YUG)
AKC DNA #V753389

OTIS OF HIGH COUNTRY

WS55604101
BERNESE MOUNTAIN DOG MALE BLK RST & WH
Microchip: 840604818
Date Whelped: 11/12/2016
Breeder: LYNN TERESE HINDMAN

Dam **MISHKA IV**
WS47450501 (10-16) BLK RST & WH



**American
Kennel Club®**

Giulia Di Nardo
Executive Secretary

KAPPAHEGY FOLLOW ME
MET 267/11

AMAZON BERNI LADY
JR 80312BPP

ICON VOM GIPFELFEUER
WS34410801 (02-11) OFA24G OFEL24
BLK RST & WH (BEL) AKC DNA
#V613365

DEWITS PHILLIPA EBONY ROSE
WS39907405 (10-13) BLK RST & WH

XANDER'S HILL HARLEQUIN SCOOPY DOO
MET 8392/05

BARUNKA MORAVIAN HURRICANE
MET 9697/H/99

NAGYSZENTGYORGYI-BERNI BRANDON
JR 80232

DASA
KSS 80215 BPP

BARANCOURT VAN DE WEYENBERG
LOSH 903879

ESRA VOM QUEENSTOLZ
LOSH 0981402

IMPRESSION V. T' MAROYKE
WS32673202 (09-11) OFA26E OFEL26 BLK
RST & WH (BEL) AKC DNA #V638524

SWISS DESTINY EPITOME OF HARMONY
WS20795803 (07-10) OFA25G BLK RST & WH

BERNERDALENS NASDAQ
SKK S58457/2001

HIDEKGUTI BERNI LOTTI OF SIKTOR
MET BSH.6653/03

CH ZANZEBERN DEFENDER
WS24052301 (06-08) OFA35E OFEL35 BLK TN &
WH (AUS) AKC DNA #V495489

EYMY Z OCHOZE
CMKU BSP/4681/05/08

CFLYING STAR FROM ORSINA'S LAND
MET 8665/H/06

RIGOKERTI BERKENYE
MET 8665/4/06

ASTOR
JR 70222 BPP

DEA
KSS JR 70319 BPP

HERLETTA'S NIMBUS
DKK 05399/98

DOREMIS AHSEFIN PIX
SKK S45244/98

HONEY MIX BRAVO
WP85110901 (09-09) OFA30G BLK RST & WH (SWE) AKC
DNA #V82621

HIDEKGUTI BERNI LADY GIRL OF SIKTOR
MET BSH.6652/03

ERICKSON V. T' MAROYKE
LOSH 0989799

FIDAYABRIT V. T' MAROYKE
LOSH 1004246

SUNNY-HEART QUATRO
WS08391601 (08-06) OFA30G BLK RST & WH (SWI)
AKC DNA #V440843

EBONY ROSE V.D. HOGE VELUWE
WR07014701 (06-03) OFA26G BLK RST & WH
(NET)

The Seal of The American Kennel Club affixed hereto certifies that this pedigree was compiled from official Stud Book records on January 9, 2018.



*For best printing results please use Chrome or IE.
Owner's Copy

PennHIP Report

Referring Veterinarian: Dr Greg Burns Email: repro@southmesa.com	Clinic Name: South Mesa Veterinary Hospital Clinic Address: 3801 S. Mason St. Fort Collins, CO 80525 Phone: (970) 226-6526 Fax: (970) 226-5717
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Patient Information

Client: kaufman, Ada Patient Name: otis Reg. Name: PennHIP Num: 114951 Species: Canine Date of Birth: 11 Nov 2016 Sex: Male Date of Study: 25 Jan 2018 Date of Report: 29 Jan 2018	Tattoo Num: Patient ID: 59790 Registration Num: WS47450501 Microchip Num: 840604818 Breed: BERNESE MOUNTAIN DOG Age: 14 months Weight: 106.8 lbs/48.4 kgs Date Submitted: 25 Jan 2018
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Findings

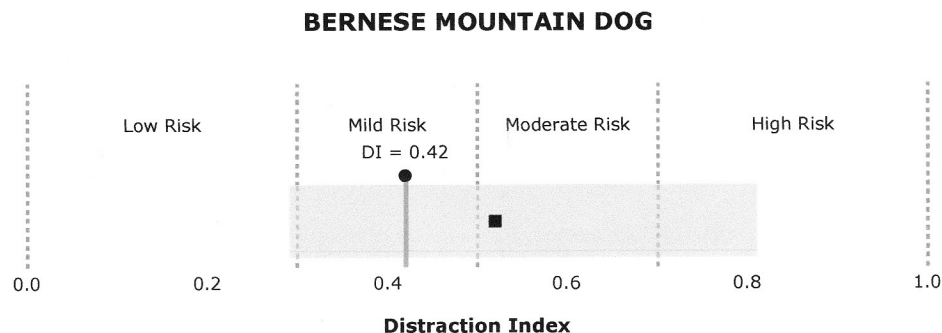
Distraction Index (DI): Right DI = 0.42, Left DI = 0.41. Osteoarthritis (OA): No radiographic evidence of OA for either hip. Cavitation/Other Findings: None.
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Interpretation

Distraction Index (DI):The laxity ranking is based on the hip with the greater laxity (larger DI). In this case the DI used is 0.42.

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 2598 canine patients of the BERNESE MOUNTAIN DOG breed in the AIS PennHIP database. The gray strip represents the central 90% range of DIs (0.29 - 0.81) for the breed. The breed average DI is 0.52 (solid square). The patient DI is the solid circle (0.42).

Summary:The degree of laxity (DI = 0.42) 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 WSAVA Global Pain Council Guidelines and the 2015 AAHA/AAFP Pain Management Guidelines