

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.



GLACIER ZEICHEN VON WOLF
registered name

HD191731
registration no.

WHITE SWISS SHEPHERD
breed

M
sex

4/22/2019
date of birth



A Not-For-Profit Organization

032093900044211
tattoo/microchip/DNA profile

7
age at evaluation in months

2112114
application number

BBS-DM40/7M-PI-CAR
O.F.A. NUMBER

12/19/2019
date of report

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

RESULTS:

DEGENERATIVE MYELOPATHY (DM): A/N, HETEROZYGOUS CARRIER, 1 COPY OF THE DM MUTATION

These results are based on the laboratory report from EMBARK VETERINARY 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

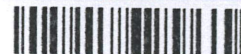
KIAH MOROSS

G.G. Keller, D.V.M.

G.G. KELLER, D.V.M., M.S., DACVR
CHIEF OF VETERINARY SERVICES

www.ofa.org

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BBS-MD1-12/7M-PI-N/N
O.F.A. NUMBER

12/19/2019
date of report

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RESULTS:
MULTIPLE DRUG RESISTANCE (MDR1): NORMAL/NORMAL

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owner

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(877) 727-6800 www.antechimagingervices.com

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

PennHIP Report

Referring Veterinarian: Dr Matt Leara
Email: animalclinicofhonolulu@gmail.com

Clinic Name: Animal Clinic of Honolulu
Clinic Address: 1048 Koko Head Ave
Honolulu, HI 96816
Phone: (808) 734-0255
Fax: (808) 735-1937

Patient Information

Client: Moross, Kiah
Patient Name: Zeichen
Reg. Name:
PennHIP Num: 150576
Species: Canine
Date of Birth: 22 Apr 2019
Sex: Male
Date of Study: 11 Dec 2020
Date of Report: 17 Dec 2020

Tattoo Num:
Patient ID: 32654
Registration Num:
Microchip Num: 032093900044211
Breed: WHITE SWISS SHEPHERD DOG
Age: 20 months
Weight: 97.4 lbs/44.2 kgs
Date Submitted: 15 Dec 2020

Findings

Distraction Index (DI): Right DI = 0.28, Left DI = 0.11.
Osteoarthritis (OA): **No radiographic evidence of OA for either hip.**
Cavitation/Other Findings: No cavitation present.

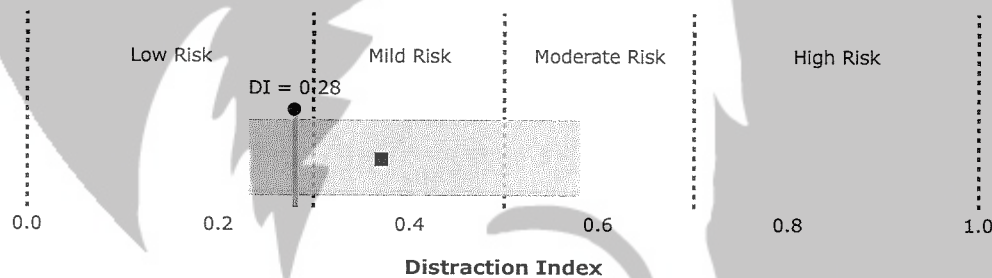
Interpretation

Distraction Index (DI): The laxity ranking is based on the hip with the greater laxity (larger DI). In this case the DI used is 0.28.

OA Risk Category: The DI is less than or equal to 0.30. This patient is at minimal risk for hip OA.

Distraction Index Chart:

WHITE SWISS SHEPHERD DOG



BREED STATISTICS: This interpretation is based on a cross-section of 82 canine patients of the WHITE SWISS SHEPHERD DOG breed in the AIS PennHIP database. The gray strip represents the central 90% range of DIs (0.23 - 0.58) for the breed. The breed average DI is 0.37 (solid square). The patient DI is the solid circle (0.28).

SUMMARY: The degree of laxity (DI = 0.28) falls within the central 90% range of DIs for the breed. This amount of hip laxity places hip at a minimal risk to develop hip OA. **No radiographic evidence of OA for either hip.**

Orthopedic Foundation for Animals
Hip Dysplasia Evaluation Report



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Organization

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WHITE SWISS SHEPHERD
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M
sex

film/test/lab #

04/22/2019
date of birth

032093900044211
tattoo/microchip/DNA profile

19
age at evaluation in months

2112114
application number

12/17/2020
date of report

Owner

KIAH MOROSS

Veterinarian

**ANIMAL CLINIC OF HONOLULU
1048 KOKO HEAD AVE
HONOLULU HI 96816**

RADIOGRAPHIC EVALUATION OF PELVIC PHENOTYPE WITH RESPECT TO HIP DYSPLASIA

EXCELLENT HIP JOINT CONFORMATION

superior hip joint conformation as compared with other individuals of the same breed and age

GOOD HIP JOINT CONFORMATION

well formed hip joint conformation as compared with other individuals of the same breed and age

FAIR HIP JOINT CONFORMATION

minor irregularities of the hip joint conformation as compared with other individuals of the same breed and age

BORDERLINE HIP JOINT CONFORMATION

marginal hip joint conformation of indeterminate status with respect to hip dysplasia at this time -- Repeat study in six months

MILD HIP DYSPLASIA

radiographic evidence of minor dysplastic changes of the hip joints

MODERATE HIP DYSPLASIA

well defined radiographic evidence of dysplastic changes of the hip joints

SEVERE HIP DYSPLASIA

radiographic evidence of marked dysplastic changes of the hip joints

RADIOGRAPHIC FINDINGS

- subluxation
 remodeling of femoral head/neck
 osteoarthritis/degenerative joint disease
 shallow acetabula
 acetabular rim/edge change

- unilateral pathology left right
 transitional vertebra
 spondylosis
 panosteitis

G.G. Keller, DVM

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

Orthopedic Foundation for Animals
Elbow Dysplasia Evaluation Report



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Veterinarian
ANIMAL CLINIC OF HONOLULU
1048 KOKO HEAD AVE
HONOLULU HI 96816

RADIOGRAPHIC EVALUATION OF PHENOTYPE WITH RESPECT TO ELBOW DYSPLASIA

ELBOW JOINTS -- FLEXED LATERAL VIEW

 ✓ negative for elbow dysplasia

L ✓ R ✓

ELBOW DYSPLASIA

GRADE I
GRADE II
GRADE III

L _____ R _____
L _____ R _____
L _____ R _____

RADIOGRAPHIC FINDINGS

degenerative joint disease (DJD)
united anconeal process (UAP)
fragmented coronoid process (FCP)
osteochondrosis

L _____ R _____
L _____ R _____
L _____ R _____
L _____ R _____

G.G. Keller, DVM

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




Dog Information

Glacier Zeichen Von Wolf (Glacier)
NAME
Male
SEX
White Shepherd
GENETIC BREED
n/a
REGISTRATION
April 22nd, 2019
DATE OF BIRTH
n/a
MICROCHIP

Kiah Y Moross
OWNER NAME
Canine Genetic Health Screen
TEST
December 4th, 2019
TEST DATE

BREED HEALTH TESTS

To ensure completeness, this report includes all carrier and at risk results for this dog.

DISEASE	GENE	GENOTYPE	RESULT
Canine Leukocyte Adhesion Deficiency Type III, LAD3	FERMT3	NN	Clear 
Degenerative Myelopathy, DM	SOD1	GA	Carrier 
MDR1 Drug Sensitivity	MDR1	NN	Clear 
Achromatopsia	CNGA3 (Exon 7 SNP)	CC	Clear
Factor VIII Deficiency, Hemophilia A	F8 Exon 1	GY	Clear
Factor VIII Deficiency, Hemophilia A	F8 Exon 11	GY	Clear
Hyperuricosuria and Hyperuricemia or Urolithiasis, HUU	SLC2A9 (Exon 5)	CC	Clear
Mucopolysaccharidosis Type VII, Sly Syndrome, MPS VII	GUSB	GG	Clear
Renal Cystadenocarcinoma and Nodular Dermatofibrosis, RCND	FLCN	GG	Clear
X-linked Ectodermal Dysplasia, Anhidrotic Ectodermal Dysplasia	EDA	GY	Clear
Collie Eye Anomaly, Choroidal Hypoplasia, CEA	NHEJ1 (Intron 4)	ND	Carrier

Dog Information

Glacier Zeichen Von Wolf (Glacier)

NAME

TRAIT TESTS (1/2)

Coat Color		RESULT
E Locus (MC1R)	No dark mask or grizzle	Ee
K Locus (CBD103)	More likely to have a patterned haircoat	k ^Y k ^Y
A Locus (ASIP)	Agouti (Wolf Sable) coat color pattern	a ^W a
D Locus (MLPH)	Dark areas of hair and skin are not lightened	DD
B Locus (TYRP1)	Black or gray hair and skin	BB
Saddle Tan (RALY)	Not expressed	NI
M Locus (PMEL)	No merle alleles	mm
Other Coat Traits		RESULT
Furnishings (RSPO2) LINKAGE	Likely unfurnished (no mustache, beard, and/or eyebrows)	II
Coat Length (FGF5)	Likely long coat	TT
Shedding (MC5R)	Likely heavy/seasonal shedding	CC
Coat Texture (KRT71)	Likely straight coat	CC
Hairlessness (SGK3)	Very unlikely to be hairless	NN
Hairlessness (FOXI3) LINKAGE	Very unlikely to be hairless	NN
Oculocutaneous Albinism Type 2 (SLC45A2) LINKAGE	Likely not albino	NN
Other Body Features		RESULT
Muzzle Length (BMP3)	Likely medium or long muzzle	CC
Tail Length (T)	Likely normal-length tail	CC

Dog Information

Glacier Zeichen Von Wolf (Glacier)

NAME

TRAIT TESTS (2/2)



Body Size	RESULT
Body Size (IGF1)	Larger NN
Body Size (IGFR1)	Larger GG
Body Size (STC2)	Larger TT
Body Size (GHR - E195K)	Larger GG
Body Size (GHR - P177L)	Larger CC
Performance	RESULT
Altitude Adaptation (EPAS1)	Normal altitude tolerance GG
Genetic Diversity	RESULT
Coefficient Of Inbreeding	34%
MHC Class II - DLA DRB1	High Diversity
MHC Class II - DLA DQA1 and DQB1	High Diversity

Penn Hip and OFA plu...
ABDOMEN
ABDOMEN
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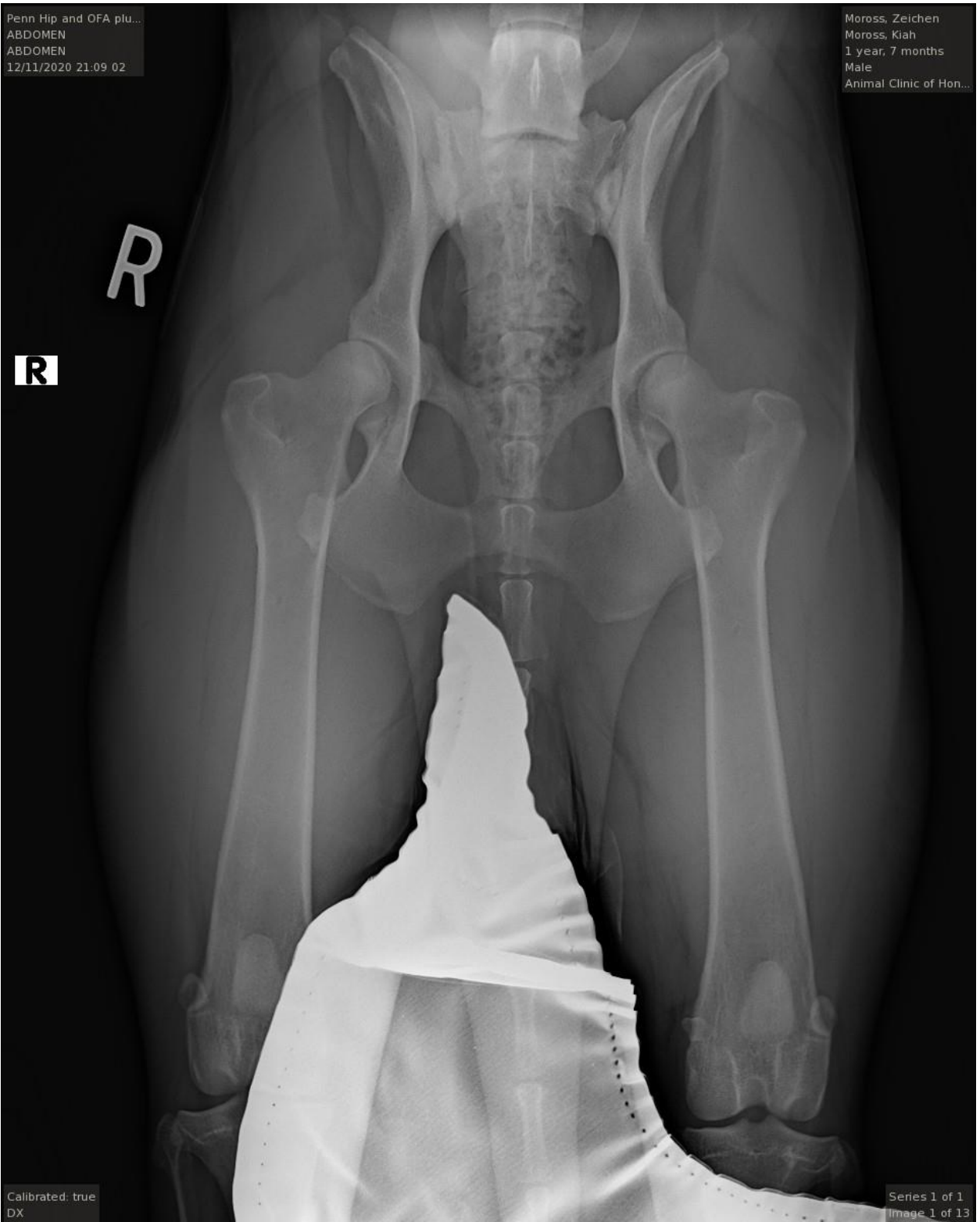
Moross, Zeichen
Moross, Kiah
1 year, 7 months
Male
Animal Clinic of Hon...

R

R

Calibrated: true
DX

Series 1 of 1
Image 1 of 13



Penn Hip and OFA plu...
ABDOMEN
ABDOMEN
12/11/2020 21:16:42

Moross, Zeichen
Moross, Kiah
1 year, 7 months
Male
Animal Clinic of Hon...

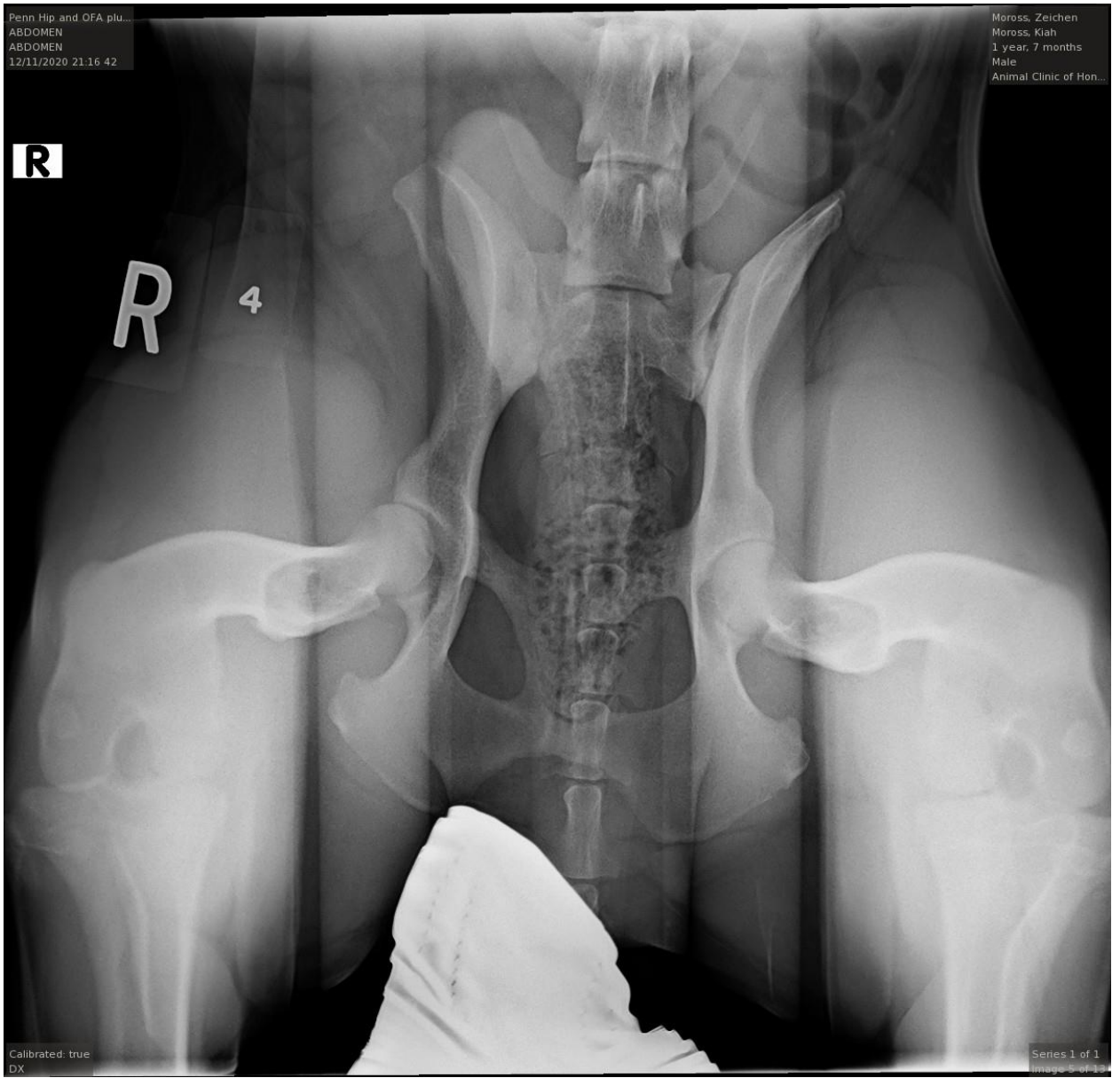
R

R

4

Calibrated: true
DX

Series 1 of 1
Image 9 of 19



Penn Hip and OFA plu...
ABDOMEN
ABDOMEN
12/11/2020 21:11:28

Moross, Zeichen
Moross, Kiah
1 year, 7 months
Male
Animal Clinic of Hon...



R
R

Calibrated: true
DX

Series 1 of 1
Image 3 of 13

Penn Hip and OFA plu...
ABDOMEN
FORELIMB
12/11/2020 21:24:32

Moross, Zeichen
Moross, Kiah
1 year, 7 months
Male
Animal Clinic of Hon...



Calibrated: true
DX

Series 1 of 1
Image 12 of 13

Penn Hip and OFA plu...
ABDOMEN
FORELIMB
12/11/2020 21:25:29

Moross, Zeichen
Moross, Kiah
1 year, 7 months
Male
Animal Clinic of Hon...



Calibrated: true
DX

Series 1 of 1
Image 13 of 13