PennHIP Hip Evaluation Report

Owner Copy

Report Date: 1/16/2007

Reference #: 863373
Practice #:

Radiography Date: 12/26/2006
Date Received: 1/14/2007

Owner:
SCARLETT SANDERS
3758 FOXHUNT ROAD
CHIPLEY, FL 32428
UNITED STATES

PennHIP Member:
DR. CARL MYERS
THEODORE VETERINARY HOSPITAL
5761 HWY 90 WEST
THEODORE, AL 36582
UNITED STATES

ANIMAL

UKC/GRCH STARR SUREFIRE SUPERHERO OF FS
CANINE / GERMAN SHEPHERD
Date of Birth: 9/29/2005 Sex: M Weight: 67 lbs. Age: 15 mo.

Reg. #: DN13826902
Microchip: 094*016*626 AVID
Tattoo:

RESULTS

LEFT	Distraction Index (DI)	0.30	DI is less than or equal to 0.30, with no radiographic evidence of DJD.
	Degenerative Joint Disease (DJD)	None	
	Cavitation	No	
	Other Findings	Not Applicable	
RIGHT	Distraction Index (DI)	0.29	DI is less than or equal to 0.30, with no radiographic evidence of DJD.
	Degenerative Joint Disease (DJD)	None	
	Cavitation	No	
	Other Findings	Not Applicable	

Please note that the PennHIP DI is a measure of hip joint laxity, it does not allude to a "passing" or "failing" hip score.

LAXITY PROFILE RANKING

The laxity profile ranking is based on the hip with the greater laxity (DI). This interpretation is based on a cross-section of 7,103 CANINE animals of the GERMAN SHEPHERD breed. The median DI for this group is 0.40.

Percentiles

90th	80th	70th	60th	50th	40th	30th	20th	10th
> 90th				Median					< 10th

⇧

The chart above indicates the ranking of your animal's passive hip laxity (DI) in relation to all CANINE animals of the GERMAN SHEPHERD breed in our database. This result means that 1) your animal's hips are tighter than approximately 90% of this group of animals (alternatively, 10% of the group has tighter hips than your animal), and 2) your animal's hip laxity is in the tighter half of the laxity profile. Breed-specific evaluations are analyzed semi-annually. Consequently, the average laxity and range of laxity for any given group will change over time.

PennHIP does not make specific breeding recommendations. Selection of sire and dam for mating is the decision of the breeder.

NOTE: As a minimum breeding criterion, we propose that breeding stock be selected from the population of animals having hip laxity in the tighter half of the breed (to the left of the median mark on the graph). Higher selection pressure equates to more rapid expected genetic change per generation.

By implementing selection based on passive hip laxity, we expect the breed average DI over the years to move toward tighter hip configuration, meaning lower hip dysplasia susceptibility. The PennHIP database permits scientific adjustment of criteria to reflect these shifts; the average laxity and range of laxity for a particular breed will change over time.

Orthopedic Foundation for Animals
Preliminary (Consultation) Report

STARR SUREFIRE SUPERHERO OF FS
registered name

GERMAN SHEPHERD DOG
breed

WHITE
color

094 016 626
tattoo/microchip/DNA profile

1249038
application number

film/case no(s)

DN13826902
registration number

M
sex

9/29/2005
date of birth

14
age at evaluation in months

1/22/2007
date of report

Owner:
SCARLETT & TIM SANDERS
3758 FOXHUNT RD
CHIPLEY, FL 32428

Veterinarian:
THEODORE VETERINARY HOSPITAL
5761 HWY 90 W
THEODORE, AL 36582

RADIOGRAPHIC EVALUATION OF PELVIC PHENOTYPE WITH RESPECT TO HIP DYSPLASIA

* The study must be repeated when the animal is 24 months of age or older to qualify for an OFA number.

_____ **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

HIP JOINTS - STANDARD VD VIEW

_____subluxation
_____remodeling of femoral head/neck
_____osteoarthritis/degenerative joint disease
_____shallow acetabula
_____acetabular rim/edge change
_____unilateral pathology _____left _____right
_____transitional vertebra
_____spondylosis
_____panosteitis
_____other

Consultation by: Greg Keller DVM
G.G. KELLER, DVM, MS, DACVR
CHIEF OF VETERINARY SERVICES

ELBOW JOINTS – FLEXED LATERAL VIEW

√ negative for elbow dysplasia √ L √ R

ELBOW DYSPLASIA

Grade I	L_____	R_____
Grade II	L_____	R_____
Grade III	L_____	R_____

RADIOGRAPHIC FINDINGS

degenerative joint disease (DJD)	L_____	R_____
ununited anconeal process (UAP)	L_____	R_____
fragmented coronoid process (FCP)	L_____	R_____
osteochondrosis	L_____	R_____

ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

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GERMAN SHEPHERD DOG
breed
WHITE
color
094 016 626
tattoo/microchip/DNA profile
1249038
application number
1/24/2007
date of report

DN13826902
registration no.
M
sex
9/29/2005
date of birth
14
age at evaluation in months
GS-CA316/14M/P-PI
O.F.A. NUMBER
This number issued with the right to correct or revoke by the Orthopedic Foundation for Animals.

A Not-For-Profit Organization

The results of the examination submitted to OFA indicate that no evidence of congenital cardiac disease was recognized.

NORMAL - PRACTITIONER

owner
SCARLETT & TIM SANDERS
3758 FOXHUNT RD
CHIPLEY, FL 32428

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

www.offa.org

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DN13826902
registration no.
M
sex
9/29/2005
date of birth
14
age certificate issued
GS-SH29M14-PI
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A Not-For-Profit Organization

Based upon the radiograph submitted, there was no evidence of Osteochondrosis or Degenerative Joint Disease (DJD)

NORMAL

owner
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CHIPLEY, FL 32428

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

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A Not-For-Profit Organization

The results of the examination submitted to OFA indicate that no evidence of patellar luxation was recognized.

NORMAL - PRACTITIONER

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

OWNER
SCARLETT & TIM SANDERS
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GS-TH274/14M-PI
O.F.A. NUMBER
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A Not-For-Profit Organization

Based on the laboratory results submitted no evidence of thyroid disease was recognized.

NORMAL

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

OWNER
SCARLETT & TIM SANDERS
3758 FOXHUNT RD
CHIPLEY, FL 32428

www.offa.org

MDR1 Genotyping Results

OWNER
Scarlett Sanders

The following dogs have been tested for the Multi-Drug Sensitivity mutation.

Mutant / Mutant
None

Mutant / Normal
None

Normal / Normal
Starr Surefire SuperHero Of FS

Explanation of test results:

Mutant/Mutant- These dogs carry the mutation and can not pass on a normal gene to their offspring. These dogs would be expected to experience toxicity after normal doses of loperamide (Imodium(r)), and some anticancer drugs, and high doses of ivermectin (greater than 50 micrograms per kilogram).

Mutant/Normal- These dogs carry the mutation and may pass on the mutant gene to their offspring. These dogs may experience toxicity after normal doses of loperamide (Imodium(r)), and some anticancer drugs, and high doses of ivermectin (greater than 50 micrograms per kilogram).

Normal/Normal- These dogs do not carry the mutation, and will not pass on the mutation to their offspring. These dogs would not be expected to experience unexpected adverse drug reactions to normal doses of ivermectin, loperamide (Imodium(r)), and some anticancer drugs.

Current list of drugs that have been documented to cause problems:
Ivermectin (Antiparasitic agent)
Loperamide (Imodium(r); over-the-counter antidiarrheal agent)
Doxorubicin (Anticancer agent)
Vincristine (Anticancer agent)
Vinblastine (Anticancer agent)

For more information, please see the following web sites:

http://www.vgl.ucdavis.edu/research/canine/projects/mdr1/

http://www.vetmed.wsu.edu/depts-vcpl/index.asp

Thank you for participating in our research project.

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