

PennHIP Report

Referring Veterinarian: Dr Jason Beck	Clinic Name: Queensland Veterinary Specialists- Northlakes
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	Phone: 6 (173) 384-2222
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Patient Information

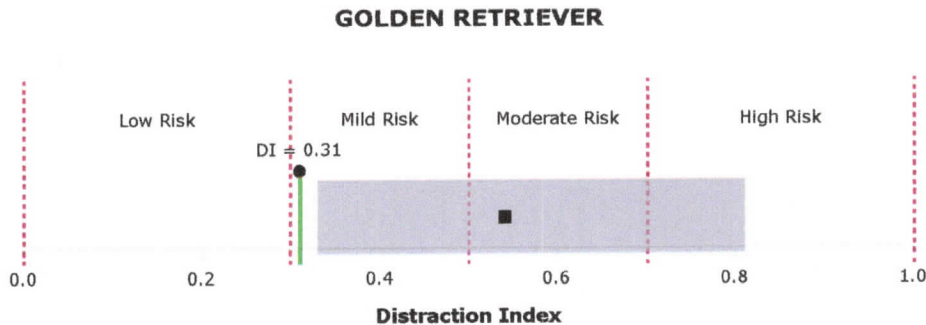
Client: CAREER DOGS', AUSTRALIA	Tattoo Num:
Patient Name: KANSAS	Patient ID: 118546
Reg. Name: CAREER DOGS' MAJESTY	Registration Num:
PennHIP Num: 134268	Microchip Num: 953010002762566
Species: Canine	Breed: GOLDEN RETRIEVER
Date of Birth: 19 Aug 2018	Age: 12 months
Sex: Female	Weight: 66.4 lbs/30.1 kgs
Date of Study: 29 Aug 2019	Date Submitted: 29 Aug 2019
Date of Report: 29 Aug 2019	

Findings

Distraction Index (DI): Right DI = 0.31, Left DI = 0.30.
 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 0.31.
 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 20243 canine patients of the GOLDEN RETRIEVER breed in the AIS PennHIP database. The gray strip represents the central 90% range of DIs (0.33 - 0.81) for the breed. The breed average DI is 0.54 (solid square). The patient DI is the solid circle (0.31).

SUMMARY: The degree of laxity (DI = 0.31) ranks the hip within the tightest 5% 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.**

OPHTHALMIC EXAMINATION FORM

Owner: Career Dogs Australia Animal Name: Kansas

Address: PO Box 620 North Lakes Queensland 4509
 Microchip No: 953010002762566

A.K.C. Reg No:

ANIMAL: Species: Canine Breed: Golden Retriever Birthdate: 19-08-2018
 Coat: colour/type: Gold Sex: Female

"I hereby declare that the animal submitted for examination is the animal described above. Furthermore, I declare I am the owner or agent of the owner for this animal"

Signed: Owner/Agent: [Signature] Date: 22/8/19

PREVIOUS EXAMINATION: Not prev examined Not affected Undetermined Affected

Date of previous examination: / /

EXAMINATION TECHNIQUE: Direct ophthalmoscopy Indirect ophthalmoscopy
 Biomicroscopy Other

MYDRIATIC: Yes No

REGIONS EXAMINED:	LIDS	CORNEA	IRIS	LENS	FUNDUS	OTHER
Not affected	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Undetermined/suspicious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Affected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Perinuclear rings both lenses - normal.

INHERITED DISEASE: Yes NO Suspicious Date of examination: / /

Should be re-examined: Months Yearly SIGNED [Signature]

LAVELLE'S DIAGNOSTIC IMAGING

RB LAVELLE MA Vet MB MRCVS DVR FANZCVS FAVA

ABN755 75202799

Canine Hip & Elbow Dysplasia Evaluation Report

KC Name: CAREER DOGS' MAJESTY	Identification No: 953010002762566
KC Reg No:	Pet Name: MAJESTY "KANSAS"

Date Radiograph taken: 29.08.2019	Breed: Golden Retriever
Sex: Male	DOB: 19.08.2018
Name of Owner: Career Dogs Australia	Address: PO Box 620 Northlakes 4509 Email: info@careerdog.com.au northlakes@qldveterinaryspecialists.com.au
Sire: GUIDEWELL BART	Dam: "SARA" EIRLYS GODDESS OF KNOWLEDGE

The results of the examination will be used at a future date for the purposes of statistical research which will be published. Please check that the particulars above are correct and relate to the dog submitted for radiographic examination by: Dr Jason Beck, Queensland Veterinary Specialists

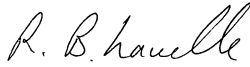
Signature of owner: _____

Please inform Dr R B Lavelle, 80 Ashworths Road, Lancefield, Victoria, 3435 if you object to the use of the results. Telephone (03) 5429 1682 BH

Film quality: Satisfactory

Positioning: Satisfactory

Comment: ON ED ASSESSMENT: SUITABLE FOR TRAINING.PLEASE USE DICOM FORMAT NOT JPEGs

Elbow Grade: Right :	1 <0.5MM	Left:	1 <0.5MM
Date received for examination:	06.09.2019	 RB LAVELLE MA Vet MB MRCVS DVR FANZCVSc FAVA	
Date returned:	07.09.2019		

GENETIC ANALYSIS SINGLE REPORT



OWNER'S DETAILS

Lauren Elgie
35 WALLAROO CIRCUIT NORTH LAKES
BRISBANE
Queensland 4509 Australia

COLLECTION DETAILS

Case Number : 19196832
Date of Test : 6th Mar 2019
Collected By :
Approved Collection : **NO**

ANIMAL'S DETAILS

Registered Name : CAREER DOGS' MAJESTY
Pet Name : KANSAS
Registration Number :
Breed : Golden Retriever
Microchip Number : 953010002762566
Sex : Intact Female
Date of Birth : 19th Aug 2018
Colour : GOLD

Sample with Lab ID Number 19196832 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported:

TEST REPORTED : ICHTHYOSIS A (GOLDEN RETRIEVER)
RESULT : **POSITIVE / AT RISK [TWO COPIES OF THE VARIANT DETECTED]¹**
GENE : PATATIN LIKE PHOSPHOLIPASE DOMAIN CONTAINING 1 (PNPLA1) ON CHROMOSOME 12
VARIANT DETECTED : NUCLEOTIDE INSERTION AND NUCLEOTIDE DELETION C.1445-1447DELACC AND C.1447INSTACTACTA P.ASN482ILEFS9X

¹ We have scanned your animal's DNA and two copies of the disease associated variant (mutation) has been detected. The genotype of the animal tested is POSITIVE this result may also be referred to as HOMOZYGOUS, AFFECTED, A/A or "+/+". The animal is "AT-RISK" and MAY show the symptoms (affected) associated with the disease. Penetrance can vary within breed. Appropriate treatment should be pursued by consulting a Veterinarian. Mating with a genetically CLEAR/NORMAL animal will produce 100% CARRIER offspring.

RESULTS REVIEWED & CONFIRMED BY:

Dr. Noam Pik BVSc, BMVS, MBA, MACVS



George Sofronidis BSc(Hons)

CLARIFICATION OF GENETIC TESTING

The goal of genetic testing is to provide breeders with relevant information to improve breeding practices in the interest of animal health. However, genetic inheritance is not a simple process, and may be complicated by several factors. Below is some information to help clarify these factors.

- 1) Some diseases may demonstrate signs of what Geneticists call "genetic heterogeneity". This is a term to describe an apparently single condition that may be caused by more than one mutation and/or gene.
- 2) It is possible that there exists more than one disease that presents in a similar fashion and segregates in a single breed. These conditions - although phenotypically similar - may be caused by separate mutations and/or genes.
- 3) It is possible that the disease affecting your breed may be what Geneticists call an "oligogenic disease". This is a term to describe the existence of additional genes that may modify the action of a dominant gene associated with a disease. These modifier genes may for example give rise to a variable age of onset for a particular condition, or affect the penetrance of a particular mutation such that some animals may never develop the condition.

The range of hereditary diseases continues to increase and we see some that are relatively benign and others that can cause severe and/or fatal disease. Diagnosis of any disease should be based on pedigree history, clinical signs, history (incidence) of the disease and the specific genetic test for the disease. Penetrance of a disease will always vary not only from breed to breed but within a breed, and will vary with different diseases. Factors that influence penetrance are genetics, nutrition and environment. Although genetic testing should be a priority for breeders, we strongly recommend that temperament and phenotype also be considered when breeding.

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