

## Hip Evaluation Report

Report Date: 4/3/2007

Reference #:

Practice #:

865393

Radiography Date: 3/22/2007

Date Received: 3/30/2007

PennHIP Member: DR. JOHN A. MULNIX MULNIX ANIMAL CLINIC 1015 S TAFT HILL RD, SUITE T FORT COLLINS, CO 80521

UNITED STATES

Owner:

DAVID & LEE ANN HELDT 33681 WCR 13 WINDSOR, CO 80550 **UNITED STATES** 

ANIMAL HAWKSPRINGS KOHL AND KOPPER MINE Reg. #: SR34344005 CANINE / GOLDEN RETRIEVER Microchip: 098 375 544 Date of Birth: 4/14/2006 Sex: Weight: 64 lbs. Age: 11 mo. Tattoo:

			RESULTS			
LEFT	Distraction Index (DI)	0.43	DI is greater than 0.30 with no radiographic evidence of DJD. There is an			
	Degenerative Joint Disease (DJD)	None	increasing risk of developing DJD as the DI increases; low risk when DI is close to 0.30, high risk when DI is close to 0.70 or above.			
	Cavitation No Other Findings Not Applicable	No				
		Not Applicable				
RIGHT	Distraction Index (DI)	0.46	DI is greater than 0.30 with no radiographic evidence of DJD. There is			
	Degenerative Joint Disease (DJD)	None	increasing risk of developing DJD as the DI increases; low risk when DI is close to 0.30, high risk when DI is close to 0.70 or above.			
	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 10,325 CANINE animals of the GOLDEN RETRIEVER breed. The median DI for this group is 0.54.

50th	4041-				
0041	40th	30th	20th	10th	
Median					< 10th
	Median	Median	Median	Median	Median

The chart above indicates the ranking of your animal's passive hip laxity (DI) in relation to all CANINE animals of the GOLDEN RETRIEVER breed in our database. This result means that 1) your animal's hips are tighter than approximately 70% of this group of animals (alternatively, 30% 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.