

Referring Veterinarian:  
DR. REID SHUFER  
ALTA RANCHO PET AND BIRD HOSPITAL  
8677 19TH ST.  
ALTA LOMA, CA 91701  
UNITED STATES

Patient ID: 58399  
Radiography Date: 18 Mar 2016

Owner/Responsible Person:  
NANCY CHADWICK

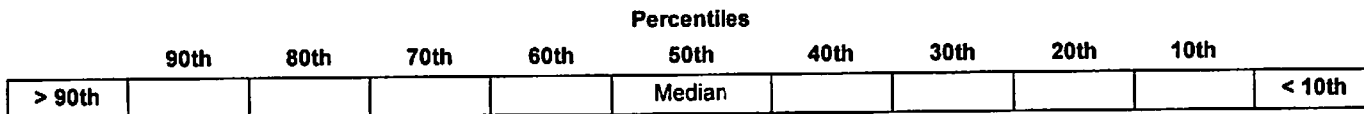
Patient:	
Patient Name: ANNA	Species: CANINE
Reg. Name: CHADWICK'S FANCY ANNA OF OLAF	Breed: GOLDEN RETRIEVER
Reg. #: SR85279411	Date of Birth: 30 Nov 2014
Tattoo:	Age: 16 mo.
Microchip: 052038517	Gender: F
	Weight: 40 lbs.

RESULTS			
LEFT	Distraction Index (DI)	0.45	DI is greater than 0.30 with no radiographic evidence of OA. There is an increasing risk of developing OA as the DI increases; low risk when DI is close to 0.30, high risk when DI is close to 0.70 or above.
	Osteoarthritis (OA)	None	
	Cavitation	No	
	Other Findings	Not Applicable	
RIGHT	Distraction Index (DI)	0.47	DI is greater than 0.30 with no radiographic evidence of OA. There is an increasing risk of developing OA as the DI increases; low risk when DI is close to 0.30, high risk when DI is close to 0.70 or above.
	Osteoarthritis (OA)	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 15,997 CANINE animals of the GOLDEN RETRIEVER breed. The median DI for this group is 0.54.



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.