



## Hip Evaluation Report

Report Date: 1/19/2015

Reference #: **917816**  
Practice #: 20141230164757

Radiography Date: 1/15/2015  
Date Received: 1/16/2015

**PennHIP Member:**  
DR. REBECCA KESTLE  
CLIFTWOOD ANIMAL HOSPITAL  
175 CLIFTWOOD DRIVE NE  
ATLANTA, GA 30328  
UNITED STATES

**Owner:**  
UPHAM, TED UPHAM, TED  
4216 BRIDLECREEK DR.  
ACWORTH, GA 30101  
UNITED STATES

### ANIMAL

ECHO OF THE KINGS OF ST. FRANCIS (ECHO OF THE KINGS OF ST. FRANCIS  
(ECHO) / KING SHEPHERD

Reg. #:

Microchip: 900164000694295

Date of Birth: 6/29/2014 Sex: M Weight: 64 lbs. Age: 7 mo.

Tattoo:

### RESULTS

		RESULTS	
LEFT	Distraction Index (DI)	<b>0.43</b>	DI is greater than 0.30 with no radiographic evidence of DJD. There is an 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.
	Degenerative Joint Disease (DJD)	<b>None</b>	
	Cavitation	<b>No</b>	
	Other Findings	<b>Not Applicable</b>	
RIGHT	Distraction Index (DI)	<b>0.33</b>	DI is greater than 0.30 with no radiographic evidence of DJD. There is an 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.
	Degenerative Joint Disease (DJD)	<b>None</b>	
	Cavitation	<b>No</b>	
	Other Findings	<b>Not Applicable</b>	

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 164 CANINE animals of the KING SHEPHERD breed. The median DI for this group is 0.50.

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

The chart above indicates the ranking of your animal's passive hip laxity (DI) in relation to all CANINE animals of the KING SHEPHERD 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.

ANTECH Imaging Services / 17672-B Cowan Avenue / Irvine, CA 92614

877-727-6800 or 800-PENNHIP / Fax: 877-870-4890

www.antechimaging.com/pennhip