



Reference #: **923335**
 Report Date: 29 Sep 2015
 Date Received: 29 Sep 2015

Referring Veterinarian:
 BRET MORGAN
 EAST SPRINGS ANIMAL HOSPITAL
 5629 CONSTITUTION AVE
 COLORADO SPRINGS, CO 80915
 UNITED STATES

Patient ID: 123436
 Radiography Date: 28 Sep 2015
 Owner/Responsible Person:
 AMY FAST

| Patient: | |
|--------------------------------------|----------------------------|
| Patient Name: FRANKIE | Species: CANINE |
| Reg. Name: FOXFIRE'S FRANKLY MY DEAR | Breed: WEIMARANER |
| Reg. #: SR79382701 | Date of Birth: 25 Aug 2013 |
| Tattoo: | Age: 25 mo. |
| Microchip: 00072B2550 | Gender: F |
| | Weight: 54 lbs. |

| RESULTS | | | |
|---------|------------------------|-----------------------|--|
| LEFT | Distraction Index (DI) | 0.26 | DI is less than or equal to 0.30, with no radiographic evidence of OA. |
| | Osteoarthritis (OA) | None | |
| | Cavitation | No | |
| | Other Findings | Not Applicable | |
| RIGHT | Distraction Index (DI) | 0.26 | DI is less than or equal to 0.30, with no radiographic evidence of OA. |
| | 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 610 CANINE animals of the WEIMARANER breed. The median DI for this group is 0.38.

| 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 WEIMARANER 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.