

## PennHIP Report

Referring Veterinarian: Dr Brian Keller

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## Patient Information

Client: Rasmussen, Brianna

Tattoo Num:

Patient Name: Frida

Patient ID: 16357frida

Reg. Name: Frida of the Kinni

Registration Num: SS51025602

PennHIP Num: 224845

Microchip Num: 933000321181223

Species: Canine

Breed: GOLDEN RETRIEVER

Date of Birth: 03 Dec 2024

Age: 12 months

Sex: Female

Weight: 48.4

Date of Study: 23 Dec 2025

Date Submitted: 23 Dec 2025

Date of Report: 26 Dec 2025

## Findings

Distraction Index (DI): Left DI = 0.35, the right DI was not computed.

Osteoarthritis (OA): **No radiographic evidence of OA for either hip.**

Cavitation/Other Findings: No cavitation present. The right hip was either surgically treated and/or traumatically affected. This potentially distorts the measurement of the distraction index. Therefore, no laxity score is provided for the right hip.

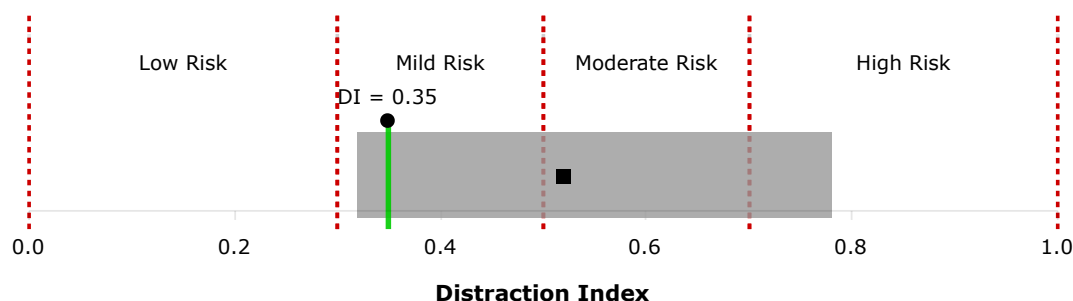
## Interpretation

Distraction Index (DI): One hip cannot be used for the laxity ranking (see Findings). The opposite hip will be used in the analysis. The value of the DI is 0.35.

OA Risk Category: The DI is between 0.31 and 0.49. This patient is at mild risk for hip OA.

Distraction Index Chart:

### GOLDEN RETRIEVER



**BREED STATISTICS:** This interpretation is based on a cross-section of 28824 canine patients of the GOLDEN RETRIEVER breed in the AIS PennHIP database. The gray strip represents the central 90% range of DIs (0.32 - 0.78) for the breed. The breed average DI is 0.52 (solid square). The patient DI is the solid circle (0.35).

**SUMMARY:** The degree of laxity (DI = 0.35) falls within the central 90% range 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.**

**INTERPRETATION AND RECOMMENDATIONS:** No OA/Mild Risk: Low risk to develop radiographic evidence of hip OA early in life, however OA may manifest after 6 years of age or later. Risk of OA increases as DI, age, body weight, and activity level increase. OA susceptibility is breed specific, larger breeds being more susceptible.

**Recommendations:** Evidence-based strategies to lower the risk of dogs developing hip OA or to treat those having OA fall into 5 modalities.\* For detailed information, consult these documents.\* Use any or all of these modalities as needed:

1) For acute or chronic pain prescribe NSAID PO short or long term. Amantadine can be added if response is marginal or if a neuropathic component to the pain is suspected.

2) Optimize body weight, keep lean, at BCS = 5/9.

3) Prescribe therapeutic exercise at intensities that do not precipitate lameness.

4) Administer polysulfated glycosaminoglycans IM or SQ, so-called DMOAD.

5) Feed an EPA-rich prescription diet preventatively for dogs at risk for OA or therapeutically for dogs already showing radiographic signs of OA.

At the present time there is inadequate evidence to confidently recommend any of the many other remedies to prevent or treat OA. Studies are in progress. Consider repeating radiographs at periodic intervals to determine the rate of OA progression and adjust treatment accordingly. Older dogs may show clinical signs such as chronic pain, reluctance to go stairs or jump onto the bed, and stiffness particularly after resting. It is unlikely that end-stage hip disease will develop for dogs at this risk level so surgical therapy for the pain of hip OA would rarely be indicated.

**Breeding Recommendations:** Please consult the PennHIP Manual.

\* From 2022 WSAVA guidelines for the recognition, assessment and treatment of pain and the 2022 AAHA Pain Management Guidelines for Dogs and Cats

## **COMMENTS:**

We got your note: "Dog was previous hit by car and suffered trauma to her right side. No surgery was performed."