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Owner's Copy

PennHIP Report

Referring Veterinarian: Dr William Schultz
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Patient Information

Client: MITCHELL, STEPHANIE
Patient Name: DARLA
Reg. Name: COMPOSERS DARLA LULLABY
PennHIP Num: 113911
Species: Canine
Date of Birth: 06 Aug 2017
Sex: Female
Date of Study: 12 Dec 2017
Date of Report: 13 Dec 2017

Tattoo Num:
Patient ID: 35562
Registration Num: SS00545907
Microchip Num: 981020021159278
Breed: GOLDEN RETRIEVER
Age: 4 months
Weight: 37 lbs/16.8 kgs
Date Submitted: 13 Dec 2017

Findings

Distraction Index (DI): Right DI = 0.49, Left DI = 0.42.

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

Cavitation/Other Findings: There is some suspicion that cavitation may have occurred in this dog's right hip. However, due to film contrast, growth plate lucencies, or other variables, we can't be certain. Please take this uncertainty into consideration before making any irreversible decisions based solely on these Distraction Indices: for example, spaying, neutering, TPO (Triple Pelvic Osteotomy), JPS (Juvenile Pubic Symphysiodesis) or other hip surgical procedures. If the dog is NOT to be a potential breeding candidate, of course, spaying or castrating would be an appropriate measure.

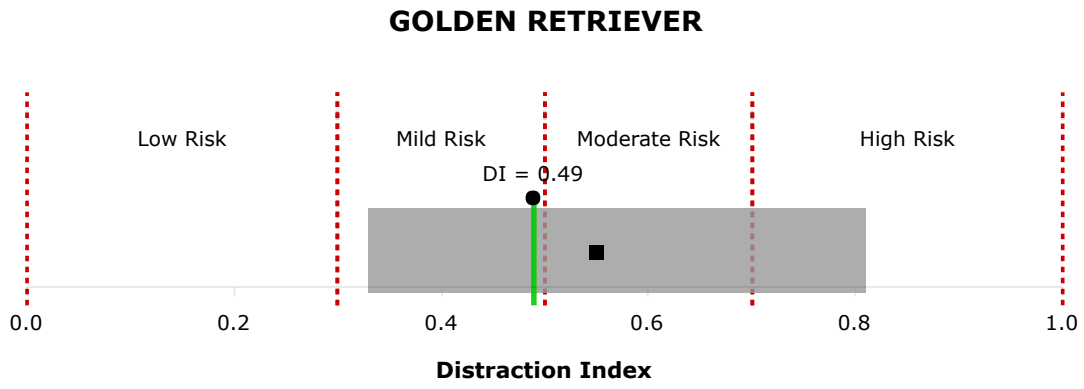
Cavitation can falsely elevate the DI and unfairly rate the dog with looser hips. Please repeat when the dog is a year or older, or at the owner's convenience.

Interpretation

Distraction Index (DI): The laxity ranking is based on the hip with the greater laxity (larger DI). In this case the DI used is 0.49.

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

Distraction Index Chart:



Breed Statistics: This interpretation is based on a cross-section of 18263 canine patients of the GOLDEN RETRIEVER breed in the AIS PennHIP database. The gray strip represents the central 90% range of DIs (0.33 - 0.81) for the breed. The breed average DI is 0.55 (solid square). The patient DI is the solid circle (0.49).

Summary: The degree of laxity (DI = 0.49) 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 WSAVA Global Pain Council Guidelines and the 2015 AAHA/AAFP Pain Management Guidelines