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Annals of Biological Research

Abstract

[Clinical and Radiological Assessment of Biologic Resurfacing of](#)

Femoral Head in Dogs

Author(s): Ahmad Asghari

Objective: To present a new and effective method which can cause cartilage tissue recovery and to reduce the side effects of other surgical procedures. **Material and Methods:** Twelve male and female dogs of at least one year of age were used in this study. The animals were randomly assigned to three groups of 4 animals per group. In group one, only the articular cartilage was removed. In groups two and three after removal of articular cartilage, the resurfacing was done using ovine fetal skull but in group three the hip joint was restricted using an ehmer sling. All animals were evaluated clinically and radiographically for 60 days. **Results:** Clinical signs in groups one and two were better than animals in group three. In group three, lameness continued even after removing the ehmer sling until the end of 60 days period. Radiographic changes were evident only in group three and due to immobilization, the articular space had decreased and partial ankylosis was evident. **Clinical Significance:** Considering the result of this study, it seems reasonable to recommend the application of membranous ovine fetal skull to resurface the damaged articular cartilage of hip joint.

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