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ÖZET KİTABI



TÜBİTAK

THE USE OF IMPLANT ACUPUNCTURE-GOLD BEAD IMPLANTATION- TO PREVENT PAIN AND OSTEOARTHRITIS IN DOGS WITH HIP DYSPLASIA: RETROSPECTIVE EVALUATION (1994-2009)

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ABSTRACT

Aim: The aim of our study was to evaluate the long-term results in dogs having the gold beads implantation (GBI)-implant acupuncture-in our clinic and to evaluate the usefulness in practice.

Materials and Methods: Between 1994 and 2009, GBI operation has been done in 389 dogs. In 96 of 389 cases, clinical and radiological controls have been done between one year and 12 years later. Clinical evaluation incorporated history, physical examination, and lameness examination including joint mobility, notation of pain on manipulation, and functional disability. In control x-rays taken in ventrodorsal position and coxofemoral joints were evaluated for osteoarthritic changes and Degenerative Joint Disease (DJD). We evaluated our cases in three degrees. Excellent (+++),good (++) and bad (-). (-) both clinically and radiological DJD symptoms existing; (++) in spite there is no clinical symptom, radiological minimal DJD symptoms existing; (+++) no clinical symptoms, no radiological DJD symptoms. At control visit, also owners were asked to complete numeric rating scale (1-best to 5- bad) a standard survey adapted from Orthopedic Disability Index for evaluation of walk, run, jump, turning suddenly, climbing stairs, stiffness in the morning and evening, etc.. For statistical evaluation, GraphPad InStat 5.0 program has been used.

Results: 96 cases, which we included to our study in long-term period controls, have been evaluated as follows: 62 excellent 64.5% , 28 very good 29.1% and 6 bad 6.4% . In long-term results, no statistical differences have been observed between males and females.

Discussion and Conclusion: Hip dysplasia is still a severe problem for dog owners in spite of all the early diagnosis methods. Medical treatments mostly cannot prevent this problem in progressive character. Because of this, the used operative methods require sufficient equipment and specific education and the costs are much. On the other hand, GBI has not such disadvantages. As a result, our opinion is that it is useful to make GBI regarding the advantages of its appliance in dogs with a suspicious and risky for the formation of DJD and osteoarthritis.

Key words: gold implantation, implant acupuncture, hip dysplasia, dog.