

Abstract

Title: Subjective evaluation of pain feeling during therapy by Shockwave

Objectives: Objective is to bring brief and compact information concerning the using of the shockwave and to check the therapy effectiveness (changes in evaluation of pain) on diagnose called heel spur using a certain number of clients.

Methodes: Experiment was applied. Group of clients (n=30) was randomized into 3 subgroups. The first experimental group (n=10) was affected by therapy in the Czech Republic, the second experimental group (n=10), was affected by the same therapy in Greece. The control group (n=10) was tested by standard therapy method (ultrasound). The shockwave was applied once a week, for 5 weeks in total, using pressure 1,8 – 4,8 bars. Changes in pain feeling were evaluated by visual-analog scale. Examinations were made before the first application as well as after the last (the fifth) application.

Results: Experimental group E1 was improved in average by $1,9 \pm 0,97$ points of the VAS scale. Experimental group E2 was improved in average by $4,3 \pm 2,15$ points by VAS scale. Control group was improved in average by $2,6 \pm 1,01$ points by VAS scale. The results shows that shock wave has positive effect for the diagnose.

Key words: Rázová vlna, shock wave, ESWT, léčba bolesti, pain management.