High Frequency Magnetic Fields in Treatment of Osgood-Schlatter Disease

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ABSTRACT

We are studied efficacy of high frequency magnetic fields (HFMFs) in treatment of Osgood-Schlatter disease (OSD) including X-rays signs. THELF system apparatus has been used for treatments on 32 young sportsmen (9-15 years). 18 boys and 14 girls, with HFMFs (base frequency 27.125 MHz, with different impulse repetition frequency of 640 Hz and 320 Hz, and absorbed power 3-5 VA). Injured sportsmen were players with large numbers of high or long jumping such as in the basketball, volleyball, fieldball and rhythmical gymnastics. Time of every daily treatment was 30 mm (640 Hz) and 30 mm (320 Hz) during 28 days but the number of treatment on an average was 28±2. Using The McGill Pain Questionnaire indicated that in mostly cases subjective complaints has been disappeared in a month from of beginning of treatments, which give sportsmen's opportunity to begin to exercise. In two months they were strongly and in better shape to exercise for a final match. In all cases are confirmed with positive X-rays signs. These results suggest that HFMFs is may be very important method of treatment Osgood-Schlatter disease. Using HFMFs in treatment of Osgood-Schlatter disease we made excellent progress in more rapidly recovering of injured young sportsmen's.

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