

ORAL PRESENTATION

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Influence of motion activity on psycho emotional status of scoliotic patients treated with brace

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Introduction

Treatment of spinal deformity can lead to psycho emotional disorders. One of the conducive factor is the motion activity decrease. The goal of our research is identification of the influence of our rehabilitation program on the dynamic of psycho emotional disorders.

Material and methods

We studied clinical outcomes of Cheneau's brace treatment of 147 scoliotic patients (age 10 to 18). Patients were subdivided in 2 groups. Group A was made up by 79 patients whose brace treatment was combined with considerable motion activity based on our program. Rehabilitation program included aerobics, dancing (in brace), swimming, doing special exercise (in brace and without) individually or with rehabilitation specialists. Group B – 76 patients whose brace treatment was not followed by high motion activity. Psychological, psychosomatic and psycho physiological symptoms as well as questionnaires outcomes have been analyzed. The observation term is 1 year.

Results

Psycho emotional disorders in the first month of brace treatment occurred in both groups: group A – 78,9%; group B – 79,1%. By the end of the first year of brace treatment symptoms of psycho emotional disorders disappeared in group A – 91,1%, group B – 71,5%.

Discussion

Study of psycho emotional disorders in scoliotic patients under brace treatment.

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