Effects of early low frequency electric stimulation of quadriceps on function of patients operated with total knee arthroplasty

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[Abstract]

Objective: To study the effectiveness of early low frequency electric stimulation of quadriceps on patients operated with total knee arthroplasty. Methods: Forty two patients operated with total knee arthroplasty were randomly divided into two groups. Patients in control group were received routine rehabilitation treatment, but treatment group received routine one and low frequency electric stimulation of quadriceps. VAS, swelling degree and KSS test were performed before and after the treatment. Result: One week later, the value of VAS, swelling degree and pain relieve, range of motor (ROM) and so on in treatment group. No significantly difference in joint stability and so on between the two groups after treatment. Conclusion: Early low frequency electric stimulation of quadriceps can improve function on patients operated with total knee arthroplasty.