

**Title:**

Physiotherapy treatment of a patients after surgical implantation of total endoprothesis.  
By using exercise and diagnostic device Imoove with unstable surface

**Abstract:**

Bachelor thesis is focused on the issue of surgical implantation of articular endoprosthesis. Currently this is one of the most frequently performed operations. In the theoretical part, current informations of hip and knee replacement surgery and subsequent rehabilitation are processed. Selected devices with a balance platform are presented. Aim of the practical part was to evaluate the therapeutic effect of two-weeks long rehabilitation on the Imoove device after surgical replacement of the knee or the hip joint. Five patients were tested two times: 3 weeks and 3 months after surgery. Between these two tests the results were improved in the six of seven categories. The therapy with Imoove device has had a positive effect on the patients.

**Key words:** balance platforms, endoprothesis, Imoove device, posture