

The bachelor's thesis deals with the effect of the vibration platform on postural stability in patients who have sustained a stroke. It is divided into a theoretical and practical part. The theoretical part analyses terms: Stroke, postural stability, vibration and its effects.

The practical part describes therapy and initial and exit examinations on two patients in a chronic stage of cerebrovascular accident. The initial and exit examinations were performed using medical history, casuistry, and assessment on posturography machine from the Synapsys company. Both the static and dynamic component of stability were assessed. The therapy alone was conducted on a vibration plate from Capital Sports company. The results were evaluated in the form of charts and graphs in the practical part of the thesis and tests in which both patients simultaneously showed the best results were selected.