

## **Abstract**

**Author:** Bc. Veronika Valášková

**Title of the work:** The effect of physiotherapeutic procedures on cervical spine surgery.

**Aim:** The aim of my thesis is to give an overview of the physiotherapy treatment after surgery of herniated cervical intervertebral disc.

**Methods:** This thesis is written as a review of literature sources. The thesis consists of three parts, the first of which highlights the issue of kinesiology, biomechanics, stability of the cervical spine, pathophysiology of a prolapsed spinal disc and imaging issues involved in the discovery of a the actual prolapse. The second part deals with the various surgical techniques and associated complications. The final theoretical part looks into physiotherapy treatment after the operation. I examine the chronology of physiotherapy after the operation, and ascertain if there is a necessity to apply a neck brace after the surgery. It is important to answer the question of when it is possible to return to work and when the patient can return to their original physical activities.

**Results:** The results of this thesis shows that postoperative care in individual departments vary and is inadequately described within available resources. Subsequent physiotherapy is dependent on the patient's condition before the operation, the operation itself, and its complexity.

**Key words:** prolapse, cervical spine, physiotherapy, surgery

