

## **Abstract**

**Title:** The case study of physiotherapeutical treatment of a patient with diagnoses of Vertebrogenic pain syndrome of lumbar spine.

**Objectives:** The aim of this bachelor thesis is to teach theoretical information related to vertebrogenic pain syndrome. A summary of appropriate therapeutic methods and approaches that can compensate for the patient's health and alleviate pain. And the subsequent treatment of casuistic physiotherapeutic care of a patient with diagnosed vertebrogenic pain syndrome.

**Methods:** The bachelor thesis was elaborated on the basis of graduation of continuous professional practice at the Faculty Hospital Královské Vinohrady in the range from 21st January 2019 to 15th February 2019. The first part of the bachelor thesis, is the general part, is comprehensively theoretical knowledge regarding vertebrogenic pain syndrome. The second, special part is a case study of physiotherapeutic care of a patient with vertebrogenic pain syndrome. The case study summarizes the input and output examinations and the course of therapies.

**Results:** The first part of the work creates a comprehensive summary of vertebrogenic pain syndrome with radicular syndrome L4. It also offers a range of possible therapeutic approaches. The second part of the thesis contains the procedure and content of therapeutic units in a particular patient. It evaluates the effect of therapies by comparing the objectification data obtained during the in-and-out kinesiological analysis.

**Key words:** Radical L4 Syndrome, Lumbar Pain, Lumbalgia, Ischias