Abstract

Title: Case study of diagnosis of total hip endoprosthesis

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This Bachelor Thesis includes the treatment of the case of my patient who had an operation of total hip endoprosthesis 3 years ago, caused by osteoarthritis. Focusing in kinesiology and biomechanics of the hip after surgery and discuss its correlation with the low back.

My Bachelor Thesis consists of two parts: theoretical and practical parts. The theoretical part includes the anatomical, kinesiological and biomechanical aspects of the hip joint as well its connection with the lumbar after hip operation by possible complications which affect the low back.

In practical part I analysed every procedure I have done with my patient, all examinations and their conclusions and day to day therapy procedures and progress.

At the end of the therapy sessions, the patient had some important changes concerning her pelvis and spine, fascias, muscles as well as her gait pattern. More details about the progress of the patient included on the final kinesiologic examination in the special part of this Bachelor Thesis.

KEY WORDS: Total hip endoprosthesis, Stability, Low back pain, Core stabilization system, Balance exercises