

## ABSTRACT

**Title of the thesis:** Case study of patient after Total Knee Replacement on left side

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### Summary

In the bachelor thesis, which was written by myself, it is divided in two parts, theoretical part and case study.

The theoretical part explains anatomy of Knee joint, it's bones, muscles, ligaments, nerves and blood supply and surgical and non-surgical approaches of therapy of the knee joint and Rehabilitation after surgery. Information about biomechanical and kinesiological point of view were discussed as well.

In the practical part I analyzed procedures I have done with the patient, all examinations, conclusions, therapies and results.

Last part of the bachelor thesis it contains list of literature that used in the bachelor thesis, it contains list of tables and figures used in the thesis, abbreviations and the ethics committee.

**Keywords:** Knee joint, knee arthroplasty, total knee replacement, patella, knee exercises.