

The theoretical part of my bachelor thesis is processed anatomy, kinesiology and biomechanics of the hip joint and the proximal femur. Another chapter consists of the distribution of fractures of the proximal femur, prevention, diagnosis, treatment and socio-economic aspects. The final chapter provides physiotherapy and their use in the postoperative period.

The practical part consists of two case study of patients with a fracture of the proximal end of the femur treated by osteosynthesis DHS. These patients were hospitalized after the surgery department of traumatology surgery clinic in Hradec Králové. Both case studies include input and output kinesiology examination, determination of short-and long-term treatment plan, record progress and evaluation of treatment outcomes.