

## **Abstract**

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**Title:** A case study of physiotherapeutic care for a patient diagnosis with axonal injury

**Objectives:** Theoretical analysis of after diffuse axonal injury and elaboration of physiotherapy procedures.

**Methods:** This bachelor thesis was done with the patient's consent within practice at Military university hospital Prague at the rehabilitation department from January 12<sup>th</sup> to January 6<sup>th</sup> 2015. The thesis is divided into two main parts – theoretical and special part. The theoretical part includes basic characteristics of the illness, etiopathogenesis, incidence, diagnostics, treatment and options of physiotherapy methods. The special part contains the after diffuse axonal injury patient's case concept, processes and the effects of his therapy.

**Results:** Patient's condition, daily activities, movements, spatial orientation, muscular strength and physical condition have improved after the therapy.

**Keywords:** Diffuse axonal injury, rehabilitation, physiotherapy.