

## **Abstract**

**Title:** Evaluation of hypermobility in school-age children corresponding to a high level of evidence - literature research

**Objectives:** This diploma thesis is focused on a summary of currently used methods corresponding to a high level of evidence for the diagnosis of joint hypermobility in school-age children. It aims to evaluate the most commonly used methods and procedures that a physiotherapist can use and find out what are the most common limits and problems we may encounter during the examination of joint hypermobility in paediatric patients.

**Methods:** This work is processed in the form of a literature search. It is divided into two parts. The first part of the diploma thesis summarizes the issue of joint hypermobility in general and the specifics of joint hypermobility in the paediatric population. The physiotherapeutic methods, that are used to assess and diagnose joint hypermobility are also described in detail. The second part consists of tables with an overview of research results and the concludes with a discussion of the results concerning the evaluation of the use of individual diagnostic methods with respect to future research.

**Results:** The number of available clinical trials, which would allow us to evaluate which one of the methods, corresponding to a high level of evidence, is the most used in the clinical examination of joint hypermobility in children of school age is limited. As the result of our research is, that the most used method is Beighton score. The main problem is absence of cut-off value.

**Keywords:** hypermobility, children hypermobility, hypermobility in children, hypermobility in school-age children, hypermobility scale, hypermobility test, hypermobility score, hypermobility evaluation, school-age children.