Opponent’s Review of the Presented Diploma Thesis

Title:  **Gait Analysis in Adolescents with Idiopathic Scoliosis**  
       A Systematic Review

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Volume:  40 text pages, 2 pictures, 2 tables, 97 lit. Reference.
Character: research review (short but comprehensive)

The aim of presented thesis is to get a sound information about the gate analysis in patients with Adolescent Idiopathic Scoliosis (AIS) and in normal healthy people of the same age in order to use effectively this acquired information in the diagnostic of the AIS. From 2301 articles published in English literature dealing with this problem autor selected exactly only 17 articles bringing exact and reliable data enabling the scientific solution of the presented question. Autor selected exactly for this analysis only objective and measurable physical data using time-space kinetic, kinematic and EMG data as demands Evidence Based Medicine. The clinical problem of development of AIS claims also subjective data gained through subjective methods using aspection and palpation. These subjective data play sometimes a considerable influence on the acceleration of the development of the AIS and anothertimes on the retardation of the development (are also important as well as objective data).

The lay out of the thesis is logical, critical and transparent. Author’s critical meaning is confronted in a vast closing discussion with quoted authors. The text is written in the way as it perfectly expresses a latin slogan „non multa sed multum“ (few words but with substantial contents). In this discussion appears also a certain bias existing even in these objectively measured data. And therefore further studies are important to solve this problem.

I evaluate this thesis as excellent and I propose to be accepted to final presentation before the examinatory comission because it fulfills all requests necessary to attain the magister degree in physiotherapy.

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