

ABSTRACT

Title:

Problems of the functional flatfoot

Objective:

The aim of this diploma thesis is problems of the functional flatfoot. Main goal is to describe relation between change of structure, disorder of foot function and development of flatfoot. The thesis tries to describe the behavior of foot and arch in standing and walking. Another goal is to summarize the diagnostic possibilities of flatfoot.

Methods:

The diploma thesis has descriptive-analytical character. It's written in form of literature review.

Results:

This thesis demonstrates the problem of disunity nomenclature concerning the problem of flatfoot. Specifically, it concerns the interpretation of the words of functional flatfoot, movement components in foot and laboratory diagnostic methods. There is offered an explanation of the concept of functional flatfoot. Further work indicated that the acquired flatfoot is a question of a functional disorder that may progress to structural changes. The static and dynamic loadings were confirmed by the role of small muscles of the foot in the role of dynamic stabilization and influence of femoral rotation on the foot arch. There were summarized methods used for the diagnosis of flatfoot including dynamic plantography.

Keywords:

flat foot, foot arch, kinesiology, diagnostics