

Abstract

Title: Orthotic equipment of idiopathic scoliosis

Objectives: The aim of my work is a summary of information dealing with scoliosis of the spine. In the beginning of the theoretical part I will briefly explain the anatomy and biomechanics of the spine, which are necessary for understanding. In the chapter on scoliosis I will focus on treatment, both operational and fuselage orthoses, which I will detaily describe in the next section. I will bring all types orthoses for the treatment of scoliosis and I will focus primarily on the production process, application, negative and positive effects of conservative treatment. The practical part of the drafting case reports about patients affected by idiopathic scoliosis and to points out their orthotic equipment. In conclusion, I evaluate scoliosis treatment method using orthoses.

Methods: To solve this problem I will apply the method of collecting data from the literature, magazines and publications related mainly to general issues of scoliosis. In chapters about the types of orthoses and it's manufacturin I use mainly my experience in practice.

Results: Conservative treatment of idiopathic scoliosis depends not only on body brace and its proper construction, but also on patient's approach to the treatment, the relationship between patient and physician and especially on rehabilitation care.

Keywords: scoliosis, idiopathic, conservative treatment, body brace corset, spine.