

## **Abstract**

**Title:** Conservative treatment of spinal deformities in childhood

**Objectives:** The main aim of this work is to point out the possibility of conservative treatment of spine deformity in a comprehensive view and logical sequence. At the beginning of the theoretical parts, the anatomy and the biomechanics of the joints are adduced and briefly explained, which are necessary for understanding. Below are examples of deformity sleep and the possibility of their correction. Also, the constructional differences of the torso orthoses used for correction and stabilization of the spine, as well as their functional properties, will be mentioned. In the end, in the special parts of this work, the technological and manufacturing process for the production of fuselage orthosis will be written.

**Methods:** To solve this problem will be drawn from specialized literature, magazines and publications, concerning in particular matters of spinal deformity and its proper position. In the chapter on the manufacturing procedure of fuselage bones, my experience will be used in practice.

**Results:** In the conservative treatment of spinal deformities, the interdependence of the components leading to the maximization of success in the treatment of spinal deformity is very important. This is mainly the cooperation between the doctor and the patient, the quality and functional construction of the trunk brace and, last but not least, the optimistic approach of the patient to the treatment itself using the available rehabilitation care.

**Keywords:** Scoliosis, vertebra, spine, trunk brace, conservative treatment, idiopathic.