

Transfer Vibration through Spine

Abstract

In the bachelor project we deal with the topic of Transfer Vibration through Spine. The problem of TVS is trying to be solved by the critical review method. We analyse some diagnostic methods and methods of treatment based on this principle. Close attention is paid to the method of Transfer Vibration through Spine that is being currently solved by The Research Institute of Thermomechanics in The Czech Academy of Sciences in cooperation with Faculty of Physical Education and Sport. In the text are also searched mathematical description and biomechanical qualities of spine system that are related to these mentioned methods. The project is also used as a theoretical base for future experimental part of the research.

Keywords: mechanical wave, intervertebral disc, spine, Transfer Vibration through Spine, connective tissue.