Abstract

Title: Hypokinetic load Identificators by driving vehicle

Objectives: Development and testing of methods for determining changes in the mechanical parameters of the axial system of professional long-distance drivers. Design and testing procedure for clinical and physical examination sensitive to changes, that occur due to vibration and static load when driving the truck.

Methods: TVS method, morphology of the spine, measurement of vibration exposure

Results: TVS method that was used in the thesis has proved to provide information on the resonant frequency of the resonant frequency and the total attenuation of the spine with sufficient precision to ride their influence was clearly identifiable. Used accelerometer measurement of oscillations vibrational excitation spine has also proved applicable and provides objective parameters.

Keywords: TVS method, vibration, hypokinesia, acceleration, driving, LBP