EFECT OF VIBRATIONS ON THE ORGANISM - POSSIBILITIES FOR DEVELOPMENT OF NON-SPECIFIC DISEASES AND THEIR PROGNOSTICATION

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Changes in the lipid metabolism, electrolytes, trace elements, acid-base balance in experimental animals and in workers exposed to vibrations, as well in patients suffering from vibration disease were investigated. The role of vibrations as a modifier of chemically induced cancerogenesis, and in implanted tumour cells was studied under laboratory conditions.

A study was carried out on the morbidity with temporal work incapacity and total morbidity according to the turnover of the investigated groups (workers and patients suffering from vibration disease) in industrial branches with exposure to vibrations.

Using statistical and mathematical methods of dispersion, correlation, factor and discriminant analysis, we detected interrelations between the investigated non-specific and specific indices of vibration exposure on the one hand, and possibilities for the development and the prognostication of cardiovascular, osteo-arthritic and other diseases and pathologic states, non-specific for vibration exposure, on the other hand.

Key words: vibration, non-specific changes and diseases

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