

The invention is related to medicine, in particular to physiology of the labor and professional pathology. The invention could be used for professional selection of people working in the condition of the exposure to regional physical overloading with accompanying vibration and noise. The individual predisposition is estimated on the basis of calculation of the index characterizing the intensity of heart rhythm control according to the data of rhythm cardiography recorded at the rest and measuring the pain sensitivity of the skin of left foot. Then the parameters obtained are compared with the criterial values. Judging by the correspondence of obtained values to the criterial ones, namely 21-80 and 1.1 mm and more or 81-160 and 1.0 mm and more, or 161-220 and 0.9 mm and more, or 221-300 and 0.8 mm and more, or 301 and more and 0.7 mm and more one can suggest increased individual predisposition towards the diseases of supporting system.