

ABSTRACT

Title: Laterality influence on the violinists locomotor system disorders

Objectives: The main object of this work is to find relation between laterality (dominance, preferences body) and forced left-sided activities - playing the violin, and to authenticate if the forced lateral activity indicate greater effect on musculoskeletal disorders in the nondominant laterality.

Methods: Questionnaire includes questionnaire part, preference task and performance task, it's anonymous. Probands are students of music conservatory and professionals violinist of chambre and symphony orchestra. The final number of probands who have involved the questionnaire is 110 (66 womens and 44 mens).

Results: The hypothesis hasn't been confirmed. Results showed better subjective evaluation of potential musculoskeletal disorders by probands left-handers

Keywords: playing the violin, laterality, dominance, musculoskeletal disorders