

## **ABSTRACT**

**Name:** Ivana Ruzickova

**Topic of MSc. Thesis:** Morphometric and Morphological Methods of Body Size Reconstruction of Neolithic Populations

**Abstract:** This thesis evaluates the correlation between the musculoskeletal stress markers (MSM), body size and age at death on populations from Vedrovice and Nitra, dating back to the Neolithic period. The analytical approach used here follows that of Myszka (2006). Here, muscle insertions are scored using three graded scale, and continuous values, obtained by measurements, are categorized using quartiles, so that Correspondence Analysis can compare them with MSM categories. The results show higher correlation of body size and MSM in males than in females and higher correlation of age at death and MSM in females than in males. However, these results are not very straightforward. Therefore, either the method used here is not sensitive enough for Neolithic material used in this thesis, or the formation of muscle insertions has been more strongly influenced by parameters other than body size and age.

**Key words :** body size, muscle insertions, age at death, Neolithic period