

## **Abstract**

**Title:** Phylogenetical consequences of human locomotion realized during the shoulder girdle

**Objectives:** Description of phylogenetic context of human locomotion realized through the shoulder girdle

**Methods:** Study and analysis of the available literature  
Analytic-synthetic comparison of the current knowledge of evolution  
Study of available sources of phylogeny of locomotion in terrestrial vertebrates

**Results:** It was found similarity in the basic control of human bipedal locomotion to control of quadrupedal locomotion of other animals and similarity in the specific form of human locomotion to locomotion of non-human primates

**Keywords:** Bipedal locomotion, quadrupedal locomotion, control of locomotion, interlimb coordination