

Summary

Ice hockey skating locomotive models and jumping exercises models in ice hockey training.

Objective: Description and confrontation of kinesiological contents of ice hockey skating locomotive models and imitative jumping exercises.

Method: Case study of EMG measurement in combination with kinematography analysis by the help of synchronized videorecord.

Results: Make out several similarity levels between forward ice hockey skating and imitative jumping exercises.

Key words: human locomotion, sport locomotion, electromyography, ice hockey skating, jumping exercises.

Human movement ontogenesis culminates by free bipedal walking. We suppose similar movement organisation of movement at sport locomotion such as by walking. In our study we have observed coordination of movement at selected muscle groups when skating on hockey skates and it has been compared to coordination of imitative jumping exercises. We have not found kinesiology similarity of movement at all of jumping exercises.