

Abstract:

- **Title:** The Comparative analysis of selected muscle groups function in the specific kinds of softball pitches by means of the surface electromyography.
- **Purposes:** Goal of the thesis is to measure involvement of selected muscle groups at different stages of a softball pitch and then compare this activity for different types of pitches.
- **Methods:** Surface electromyography analysis and a simple kinematic analysis.
- **Results:** The results show differences in a technique for the different types of pitches.
- **Key words:** Softball, softball pitch, fastball, raiseball, dropball, change-up, curveball, electromyography