Guebli Abdelkader et al., J Sports Med Doping Stud 2017, 7:4(Suppl)
DOI: 10.4172/2161-0673-C1-011

Impact of the collision and push angles on the phases hop, step and jump in the triple jump and their relationship to the stage of take-off

Guebli Abdelkader[1,2], Reguieg Madani[3] and Sbaa Bouabdellah[1]
[1]Hassiba Ben Bouali Chlef University, Algeria
[2]Split University, Croatia
[3]Abdelhamid Ibn Badiss University of Mostaganem, Algeria

The purposes of this study were to reveal correlation between the angles of body in the motor performance and stages take-off (time of phase & push angle) in each phase (hop, step and jump) for elite Algerian in triple jump. Our study based on the kinematic analyzes of the phases triple jump in the collision and push stages, through the kinovea programmer. For this study, we have chosen the analysis of correlation (the Pearson correlation "R") in each of the phases (hop, step and jump) in the collision and push stages. Based on the practices and weaknesses of elites in practice; we confirm that there is a statistically significant correlation in the collision stage (hop phase; the angle of trunk°) with the time and angle of push. The problem of our elites is in the hop phase, and its relationship with the step and jump phases and; horizontal vertical velocity in hop phase and preservation in next phases (step and jump) as solution is achieved and improved.

a.guebli@univhb-chlef.dz

Notes: