Log In | Register | Help



Balance training was effective in improving postural sway and functional balance when compared with untrained control participants. Larger effect sizes were shown for training programs of longer duration. Although controversial findings were reported for jumping performance, agility, and neuromuscular control, there are indications for the effectiveness of balance training in these outcomes. When compared with plyometric or strength training, conflicting results or no effects of balance training were reported for strength improvements and changes in sprint performance.

Conclusions: We conclude that balance training can be effective for postural and neuromuscular control improvements. However, as a result of the low methodologic quality and training differences, further research is strongly recommended.

Keywords: methodologic quality assessment, postural control, motor control

Address correspondence to Astrid Zech, PhD, Institute of Sports Science and Sports, Friedrich-Alexander-University, Gebbertstr. 123b, 91058 Erlangen, Germany. Address e-mail to astrid.zech@sport.uni-erlangen.de.

top 🛎

Copyright © 2010 Journal of Athletic Training. All Rights Reserved, Worldwid Allen Press, Inc. assists in the online publication of the *Journal of Athletic Trainin* Technology Partner - Atypon Systems, Inc