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**Data Synthesis:** Prophylactic balance training substantially reduced the risk of sustaining ankle sprains, with a greater effect seen in those with a history of a previous sprain. Completing at least 6 weeks of balance training after an acute ankle sprain substantially reduced the risk of recurrent ankle sprains; however, consistent improvements in instrumented measures of postural control were not associated with training. Evidence is lacking to assess the reduction in the risk of recurrent sprains and inconclusive to demonstrate improved instrumented postural control measures in those with chronic ankle instability who complete balance training.

**Conclusions:** Balance training can be used prophylactically or after an acute ankle sprain in an effort to reduce future ankle sprains, but current evidence is insufficient to assess this effect in patients with chronic ankle instability.

Keywords: ankle sprains, chronic ankle instability, injury prevention, stabilometry

Patrick O. McKeon, PhD, ATC, CSCS, and Jay Hertel, PhD, ATC, FACSM, contributed to conception and design; acquisition and analysis and interpretation of the data; and drafting, critical revision, and final approval of the article.

Address correspondence to Patrick O. McKeon, PhD, ATC, CSCS, Division of Athletic Training, University of Kentucky, College of Health Sciences, Wethington Building, Room 206C, 900 South Limestone, Lexington, KY 40536-0200, e-mail: Patrick.McKeon@uky.edu

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