

عنوان مقاله:

Identify Normative Values of Balance Tests Toward Neurological Assessment of Sports Related Concussion

محل انتشار:

مجله توانبخشی ایرانیان، دوره 10، شماره 2 (سال: 1391)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Samaneh Eimanipure - Department of Physical Education and Sport Science, Faculty of Physical Education Sports Sciences, Shahid Chamran University  
.of Ahvaz, Ahvaz, Iran

Parvaneh Shafinia - Department of Physical Education and Sport Science, Faculty of Physical Education Sports Sciences, Shahid Chamran University of  
.Ahvaz, Ahvaz, Iran

Seyed Esmaeel Hashemi Shaykh-Shabani - Department of Physical Education and Sport Science, Faculty of Physical Education Sports Sciences, Shahid  
.Chamran University of Ahvaz, Ahvaz, Iran

Ahmad Ghotbi-Vaezaneh - Department of Physical Education and Sport Science, Faculty of Physical Education Sports Sciences, Shahid Chamran  
.University of Ahvaz, Ahvaz, Iran

خلاصه مقاله:

Objectives : Deterioration in postural control mechanisms is termed postural instability and results increased postural sway and many laboratory techniques and instruments are characterized by a wide range of neurological signs and symptoms to the medical management. Thus the current study designed to assess the reliability of commonly used clinical measures of balance and determined normal values. Also, the second purpose was scrutiny of effect age, length weight and body mass index (BMI) on perform clinical balance tests. Methods : One hundred and thirty three participants (۱۸-۵۹ years), that have at least three time sports activity in one week, performed three timed tests: Time- up and Go (TUG), Tandem Gait (TG), and Walking on Balance Beam (WOBB) on firm surface. Results : Reliability data were produced for each tests of motor performance. We found that the first performance of three trials was slower, and the relationship between some factors and these battery tests were examined. Means( $\pm$ SD) for each measure were averaged across three trials. Time to complete TG was  $13.6 \pm 1.1$ s. TUG value was  $6.9 \pm 1.0$ s and WOBB was  $6.9 \pm 1.0$ s. Discussion : our results revealed that three clinical balance test batteries-TUG, TG and WOBB tests are the stability measures to assess of sports related concussion. Also, the results of current study appeared that the time to perform these tests was slower than the other studies.

کلمات کلیدی:

Normative value, Gait, Time, Reliability

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1867293>

