

研究業績 英文表記

和文	
表題	女子サッカー選手における高衝撃特性について:体幹加速度を用いた試合・練習間およびリバウンドジャンプとの比較
著者名	永野康治 ¹⁾ 、笹木正悟 ²⁾ 、須高理生 ¹⁾ 、市川浩 ³⁾
所属	1)日本女子体育大学、2)東京有明医療大学、3)新潟医療福祉大学
英文	
Title	Characteristics of high impact movements during soccer play and their associations with game, practice, and rebound jump.
Author	Nagano Y ¹⁾ , Sasaki S ²⁾ , Suko R ¹⁾ , Ichikawa H ³⁾ .
Affiliation	1) Japan Women's College of Physical Education, 2) Tokyo Ariake University of Medical and Health Sciences, 3) Niigata University of Health and Welfare
Abstract	<p>The purpose of this study was to compare the trunk accelerations that indicate high impact during soccer practice, soccer matches, and experimental conditions to examine factors practically such as anterior cruciate ligament injuries during soccer games. Subjects were eight university female soccer players. We measured acceleration during practice (120 minutes), games (35 minutes), and rebound jumps, and analyzed the relationship between the frequency of high impact during practice and games, and the maximum impact at landing during rebound jumps. A significant correlation ($r = 0.85$) was found between high impact frequency above 4 G during games and high impact frequency above 4 G during practice, but no significant relationship was found above 6 G during games. No significant correlation was found between high impact frequency and maximum acceleration at landing during games and practice. It was considered that the high impact frequency during practice was related to that in games.</p>
keyword	Ball games, wearable sensor, physical load.

※本データの英文表記は実際の論文上の表記とは異なります。