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Research Article

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The pathological technical and tactical movements of a soccer player during return to sport predicts a second anterior cruciate ligament injury

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Author(s): D'Onofrio Rosario*, Sannicandro Italo, Manzi Vincenzo, Annino Giuseppe, Bojan Bjelica and Nikola Aksovic

Background: Return to sport after Anterior Cruciate Ligament (ACL) reconstruction remains a difficult decision-making process that is not structured on shared and homogeneous assessments. This greatly elevates the risk factors for second injuries. Objective: Highlight football-specific gestural, pathological, technical-tactical patterns that contribute to new ACL inj ...

Abstract View Full Article View DOI: 10.17352/2455-5487.000099

Review Article

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Molecular dynamics of Triton X surfactant molecules with different PEO chain lengths at the air/water interface

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This paper focuses on the structural properties and interface behavior of TX-5, TX-114, and TX-100 molecules at the air/water interface. The results of the density profile show that the polar O atoms of the three TX molecules are basically located on the water surface, and the whole TX molecule is almost parallel to the water surface. The results of the order paramete ...

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