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Presentation Abstract

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Session: E-36-Sport Biomechanics

Friday, Jun 04, 2010, 7:30 AM -12:30 PM

Presentation: 2620 - **Is Front Crawl Swimming Performance Affected By Hydrodynamic Drag In Young Swimmers?**

Location: Hall C, Poster Board: 228

Pres. Time: Friday, Jun 04, 2010, 9:00 AM -10:30 AM

Category: +402 sport biomechanics

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Author(s): António J. Silva¹, Mário C. Marques², Nuno Garrido¹, Tiago M. Barbosa³, Mário J. Costa³, Hugo Louro⁴, Victor M. Reis¹, Daniel A. Marinho².
¹UTAD/CIDESD, Vila Real, Portugal. ²UBI/CIDESD, Covilhã, Portugal.
³IPB/CIDESD, Bragança, Portugal. ⁴ESDRM/CIDESD, Rio Maior, Portugal.
 Email: ajsilva@utad.pt

Abstract: Swimming performance is affected by several factors including the hydrodynamic drag. Hydrodynamic drag is the force that a swimmer has to overcome in order to maintain his movement through water and is highly dependent on swimming technique.

PURPOSE: To analyse in young swimmers the relationship between hydrodynamic drag and the front crawl performance.

METHODS: 25 young swimmers (11 females and 14 males) participated in this study. Their mean (standard deviation) age, body mass, height and best swimming performance in 100 m front crawl was 12.08 (0.76) years, 43.08 (7.60) kg, 1.52 (0.08) m and, 75.11 (9.57) s, respectively.