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Current issue	» Journal Abstract
Archival Issues	Oxygen uptake plateau occurrence in trained male and female adults
Volume 27, 2010 Volume 26, 2009 Volume 25, 2008 Volume 24, 2007 Volume 23, 2006 Volume 22, 2005 Volume 21, 2004 Volume 20, 2003	M Chia, AR Aziz, KC Teh <u>Biol Sport</u> 2007; 24 (1): ICID: 890697 Article type: Original article IC [™] Value: 9.36 Abstract provided by Publisher
Search	The attainment of an oxygen uptake () plateau during maximal incremental exercise is often considered as a criterion for the elicitation of a maximal effort. However there is
Newsletter	growing evidence that a () plateau does not occur in all adult subjects despite exercise
Authors Pathway Information for Authors	to volitional exhaustion. One school of thought is that aerobically trained subjects or subjects with a higher maximal were more likely to demonstrate the plateau
AKADEMIA TRENERSKA	 phenomenon than subjects with lower maximal . The study investigated the frequency of occurrence of the plateau, defined as an increase in of less than 1.5 ml/kg/min in trained Asian male (n=158, age=21.7±4.9y; body mass=64.8±8.6kg) and female (n=28, age=21.9±7.0y; body mass=53.0±7.0kg) athletes during a maximal treadmill run to volitional exhaustion, to determine maximal . The plateau phenomenon was only detected in 53% of the male athletes and 64% of the female athletes, despite the lower ratio-scaled peak values (48.4±7.2 vs. 58.0±6.9 ml/kg BM/min; p<0.05) of the female athletes compared to the male athletes. These data refuted the assertions that athletes with higher aerobic fitness were more likely to show a plateau, and that the lack of a plateau was due to poor motivation on the part of untrained adults to give a maximal effort. ICID 890697 FULL TEXT 126 KB
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