Biology of Sport

pISSN 0860-021X

Current issue	» Journal Abstract
Archival Issues	
Volume 27, 2010 Volume 26, 2009 Volume 25, 2008 Volume 24, 2007 Volume 23, 2006 Volume 22, 2005 Volume 21, 2004	The effect of strength exercise on lipid peroxidation products concentration and glutathione metabolism in blood of the body – builders A Zembroń-Łacny, K Szyszka <u>Biol Sport</u> 2004; 21 (2): ICID: 891897 Article type: Original article IC [™] Value: 10.26
Volume 20, 2003	Abstract provided by Publisher 👹
Search	
Newsletter	The study was carried out on twelve males subjected to strength exercise. Before
Authors Pathway	 exercise, immediately after exercise, after 30 min and 24 h rest, the following parameters were estimated in blood samples collected from the body builders: levels of lactate (LA), reduced (GSH) and total glutathione (GSH+GSSG), glutathione reductase (GR) and creatine kinase (CK) activity, and lipid peroxidation products (TBARS) concentration. The applied strength test at the maximal intensity (LA 9.83±3.08 mmol•l-1) caused statistically significant increase of tested parameters after 24 h rest. The GSH/GSH+GSSG ratio decreased after 24 h (P<0.05). The positive correlation r=0.821 (P<0.001) between the creatine kinase activity (CK) and the lipid peroxidation products (TBARS) level was observed. It indicates there is relationship between the exercise – induced muscle damage and oxidative stress during the restitution. ICI D 891897
Information for Authors	
AKADEMIA	Related articles in IndexCopernicus™ in Creatine Kinase [101 related records] in Lipid Peroxidation [476 related records] in Glutathione [148 related records] in Exercise [953 related records]
	Search Back

Copyright © Biology of Sport 2010

Pages created by IndexCopernicus™ Journal Management System