

# Applied Physiology

169-252

ZB MED

**Volume 84 Number 3 March 2001**

## ORIGINAL ARTICLES

**Funato K, Yanagiya T, Fukunaga T:** Ergometry for estimation of mechanical power output in sprinting in humans using a newly developed self-driven treadmill **169**

**Yoshitake Y, Ue H, Miyazaki M, Moritani T:** Assessment of lower-back muscle fatigue using electromyography, mechanomyography, and near-infrared spectroscopy **174**

**MacIntyre DL, Sorichter S, Mair J, Berg A, McKenzie DC:** Markers of inflammation and myofibrillar proteins following eccentric exercise in humans **180**

**Terziotti P, Schena F, Gulli G, Cevese A:** Post-exercise recovery of autonomic cardiovascular control: a study by spectrum and cross-spectrum analysis in humans **187**

**Morozov VI, Usenko TN, Rogozkin VA:** Neutrophil antiserum response to decrease in proteolytic activity in loaded rat muscle **195**

**Jensen K, Johansen L, Secher NH:** Influence of body mass on maximal oxygen uptake: effect of sample size **201**

**Caserotti P, Aagaard P, Simonsen EB, Puggaard L:** Contraction-specific differences in maximal muscle power during stretch-shortening cycle movements in elderly males and females **206**

**Leger AB, Milner TE:** Motor impairment in the human hand following eccentric exercise **213**

**Pincivero DM, Coelho AJ, Campy RM, Salfetnikov Y, Bright A:** The effects of voluntary contraction intensity and gender on perceived exertion during isokinetic quadriceps exercise **221**

**Rahmani A, Viale F, Dalleau G, Lacour J-R:** Force/velocity and power/velocity relationships in squat exercise **227**

**Singh SN, Vats P, Kumria MML, Ranganathan S, Shyam R, Arora MP, Jain CL, Sridharan K:** Effect of high altitude (7,620 m) exposure on glutathione and related metabolism in rats **231**

**Finn JP, Ebert TR, Withers RT, Carey MF, Mackay M, Phillips JW, Febbraio MA:** Effect of creatine supplementation on metabolism and performance in humans during intermittent sprint cycling **238**

## SHORT COMMUNICATIONS

**Ostrowski K, Rohde T, Asp S, Schjerling P, Pedersen BK:** Chemokines are elevated in plasma after strenuous exercise in humans **244**

**Langberg H, Olesen J, Skovgaard D, Kjær M:** Age related blood flow around the Achilles tendon during exercise in humans **246**

**Gauthier A, Davenne D, Martin A, Van Hoecke J:** Time of day effects on isometric and isokinetic torque developed during elbow flexion in humans **249**

Online edition in  
LINK-Life Sciences/Medicine  
Online Library  
<http://link.springer.de>  
Indexed in Current Contents  
and Index Medicus  
Printed on acid-free paper

Available  
online  
<http://link.springer.de>  
[link.springer-ny.com](http://link.springer-ny.com)



Springer

Uc I  
Zs. MS  
ZB MED



1439-6319(200103)84:3;1-3