

ORIGINAL ARTICLES

A comparison of critical force and electromyographic fatigue threshold for isometric muscle actions of the forearm flexors

C.R. Hendrix · T.J. Housh · G.O. Johnson · J.P. Weir · T.W. Beck · M.H. Malek · M. Mielke · R.J. Schmidt 333

The stress of chess players as a model to study the effects of psychological stimuli on physiological responses: an example of substrate oxidation and heart rate variability in man

N. Troubat · M.-A. Fargeas-Gluck · M. Tulppo · B. Dugué 343

Enhanced metaboreflex sensitivity in hypertensive humans

M.T. Sausen · E.P. Delaney · M.E. Stillabower · W.B. Farquhar 351

The effects of beta-alanine supplementation and high-intensity interval training on neuromuscular fatigue and muscle function

A.E. Smith · J.R. Moon · K.L. Kendall · J.L. Graef · C.M. Lockwood · A.A. Walter · T.W. Beck · J.T. Cramer · J.R. Stout 357

Helmet-based physiological signal monitoring system

Y.S. Kim · H.J. Baek · J.S. Kim · H.B. Lee · J.M. Choi · K.S. Park 365

The effect of angiotensin-converting enzyme genotype on acute mountain sickness and summit success in trekkers attempting the summit of Mt. Kilimanjaro (5,895 m)

N.S. Kalson · J. Thompson · A.J. Davies · S. Stokes · M.D. Earl · A. Whitehead · I. Tyrrell-Marsh · H. Frost · H. Montgomery 373

Modulation of heart rate variability by estrogen in young women undergoing induction of ovulation

A. Weissman · L. Lowenstein · J. Tal · G. Ohel · I. Calderon · A. Lightman 381

Motion characteristics of the medial and lateral longitudinal arch during landing

M. Fukano · T. Fukubayashi 387

Exercise affects platelet-promoted tumor cell adhesion and invasion to endothelium

Y.-W. Chen · J.-K. Chen · J.-S. Wang 393

Effects of intermittent hypoxia on the cerebrovascular responses to submaximal exercise in humans

J.S. Querido · J.L. Rupert · D.C. McKenzie · A.W. Sheel 403

Cardiac response to exercise in young, normal weight and overweight men and women

C.A. Vella · R.Y. Zubia · S.F. Burns · D. Ontiveros 411

The effects of acute whole body vibration as a recovery modality following high-intensity interval training in well-trained, middle-aged runners

J. Edge · T. Mündel · K. Weir · D.J. Cochrane 421

Effect of local leg cooling on upper limb trajectories and muscle function and whole body dynamic balance

H. Piedrahita · J. Oksa · H. Rintamäki · C. Malm 429

The effect of 60-h sleep deprivation on cardiovascular regulation and body temperature

J. Vaara · H. Kyröläinen · M. Koivu · M. Tulppo · T. Finni 439

Regulating intensity using perceived exertion: effect of exercise duration

J. Kang · E.C. Chaloupka · G.B. Biren · M.A. Mastrangelo · J.R. Hoffman 445

Core temperature differences between males and females during intermittent exercise: physical considerations

D. Gagnon · L.E. Dorman · O. Jay · S. Hardcastle · G.P. Kenny 453

The effects of protective clothing on energy consumption during different activities

L.E. Dorman · G. Havenith 463

Exercise-induced plasma volume expansion and post-exercise parasympathetic reactivation

M. Buchheit · P.B. Laursen · H. Al Haddad · S. Ahmaidi 471

The respiratory response to passive and active arm movements is enhanced in delayed onset muscle soreness

N. Hotta · K. Yamamoto · K. Katayama · K. Ishida 483

Performance and thermoregulatory effects of chronic bupropion administration in the heat

B. Roelands · H. Hasegawa · P. Watson · M.F. Piacentini · L. Buyse · G. De Schutter · R. Meeusen 493

No effect of a 30-h period of sleep deprivation on leukocyte trafficking, neutrophil degranulation and saliva IgA responses to exercise

J.S.C. Ricardo · L. Cartner · S.J. Oliver · S.J. Laing · R. Walters · J.L.J. Bilzon · N.P. Walsh 499

REPLY

Errors in facts and logic: what else?

F.N. Daussin · S.P. Dufour · R. Richard 505

Further articles can be found at www.springerlink.com

Indexed in/abstracted by *Current Contents* and *Index Medicus*

Instructions for Authors for *Eur J Appl Physiol* are available at <http://www.springer.com/00421>