



# European Journal of Applied Physiology

# European Journal of Applied Physiology

## Volume 113, Issue 11, November 2013

### Invited Review

Physiological Employment Standards III: physiological challenges and consequences encountered during international military deployments

Bradley C. Nindl, John W. Castellani...Pages 2655-2672

### Invited Review

Physiological employment standards IV: integration of women in combat units physiological and medical considerations

Yoram Epstein, Ran Yanovich, Daniel S. Moran...Pages 2673-2690

### Original Article

Inhomogeneous architectural changes of the quadriceps femoris induced by resistance training

Ryoichi Ema, Taku Wakahara, Naokazu Miyamoto...Pages 2691-2703

### Original Article

Alterations in coagulatory and fibrinolytic systems following an ultra-marathon

Brian R. Kupchak, Brittanie M. Volk...Pages 2705-2712

### Original Article

External muscle heating during warm-up does not provide added performance benefit above external heating in the recovery period alone

Steve H. Faulkner, Richard A. Ferguson...Pages 2713-2721

### Original Article

Thermal perceptions and skin temperatures during continuous and intermittent ventilation of the torso throughout and after exercise in the heat

Sarah L. Davey, Martin J. Barwood...Pages 2723-2735

### Original Article

Meal induced gut hormone secretion is altered in aerobically trained compared to sedentary young healthy males

Michael Taalo Lund, Lærke Taudorf...Pages 2737-2747

### Original Article

Effects of physical fitness on relaxed G-tolerance and the exercise pressor response

Roger Kölegård, Igor B. Mekjavic, Ola EikenPages 2749-2759

### Original Article

Effect of age and exercise training on protein:protein interactions among eNOS and its regulatory proteins in rat aortas

Meredith J. Luttrell, John W. Seawright...Pages 2761-2768

### Original Article

Changes in phosphocreatine concentration of skeletal muscle during high-intensity intermittent exercise in children and adults

J. Kappenstein, A. Ferrauti, B. Runkel...Pages 2769-2779

Original Article

Metabolic responses to a 48-h ultra-marathon run in middle-aged male amateur runners

Barbara Kłapcińska, Zbigniew Waśkiewicz... Pages 2781-2793

---

Original Article

The intravenous perfluorocarbon emulsion Oxycyte does not increase hyperbaric oxygen-related seizures in a non-sedated swine model

Richard T. Mahon, Aaron Hall, Michael Bodo... Pages 2795-2802

---

Original Article

Telomere length and adrenergic-induced left ventricular dilatation and systolic chamber dysfunction in rats

Andrew R. Raymond, Bryan Hodson... Pages 2803-2811

---

Original Article

Stretch and activation of the human biarticular hamstrings across a range of running speeds

Anthony G. Schache, Tim W. Dorn, Tim V. Wrigley... Pages 2813-2828

---

Original Article

Activation of quadriceps femoris including vastus intermedius during fatiguing dynamic knee extensions

Hiroshi Akima, Akira Saito... Pages 2829-2840

---

Original Article

Skin blood flow influences cerebral oxygenation measured by near-infrared spectroscopy during dynamic exercise

Taiki Miyazawa, Masahiro Horiuchi... Pages 2841-2848

---

Original Article

Ventilatory muscle strength, diaphragm thickness and pulmonary function in world-class powerlifters

Peter I. Brown, Heather K. Venables, Hym-suen Liu... Pages 2849-2855

---

Original Article

Gender differences in off-axis neuromuscular control during stepping under a slippery condition

Song Joo Lee, Yupeng Ren, François Geiger... Pages 2857-2866

---

Letter to the Editor

On the judicious use of metrics for cerebral autoregulation

Can Ozan Tan, J. Andrew Taylor... Pages 2867-2868

---

Reply

Quantification of cerebral hemodynamics

Y. C. Tzeng, P. N. Ainslie... Pages 2869-2870

---

Erratum

Erratum to: Acute and cumulative effects of focused high-frequency vibrations on the endocrine system and muscle strength

Pierpaolo Iodice, Rosa Grazia Bellomo... Page 2871