Research Publications Using Equivital™ Products

This bibliography contains references to publications, papers, journals and field studies that have featured Equivital™ products. If you have published papers which include the use of Equivital™ products, we would appreciate receiving reprints if available, and if not, the full citation. Please send to: info@equivital.com, or the address at the bottom of this document.

Temperature


Biometrics


Foteini Agrafioti, Francis M. Bui, Dimitrios Hatzinakos Article first published online: Medical biometrics in mobile health monitoring Published May 2011, Volume 4, Issue 5, pp 525 – 539

T. Zlatar. Influence of severe cold thermal environment on core and skin temperatures. 2017

D. Looney, MJ Buller. Estimating resting core temperature using heart rate. 2018


Sleep


Azouz, A. Issa. Evaluation of Use of Wearable Sensor Garment in Home Screening for Sleep Apnea Events. 2018

Activity


Matthias Weippert, Jan Stielow, Mohit Kumar, Steffi Kreuzfeld1, Annika Rieger, Regina Stoll.

Tri-axial high resolution acceleration for oxygen consumption estimation: validation of a multi-sensor device and a novel analysis method. 2012 pp1 - 29

Military


Buller M.J Karis A.J. Heart Rate and Respiratory Rate during fitness training, obstacle course runs, and mass casualty simulations - performance of two warfighter physiological status monitoring systems. August 2007. USARIEM technical report T07-10.


Date of Conference: Aug. 31 2010-Sept. 4 2010

Tharion, William J. ; Buller, Mark J. ; Karis, Anthony J. ; Hoyt, Reed W. Chapter: Development of a Remote Medical Monitoring System to Meet Soldier Needs Published by Army Research inst of Environmental Medicine Natick ma Biophysics and Biomedical Modelling div 2010.

Dr. Reed Hoyt. Real-time physiological and psychophysiological status monitoring for human protection and operational health applications. US Army Research Institute of Environmental Medicine Natick 2009. Chapter 1 pp 1- 6


First Responder


Clinical


Dr. Emil Jovanov. Mladen Milosevic. Real-Time Physiological Monitoring laboratory. The University of Alabama in Huntsville 2012 pp 5-7


TM Tan, BCT Field, KA McCullough, RC Troke. Co-administration of Glucagon-Like Peptide-1 During Glucagon Infusion in Man Results in Increased Energy Expenditure and Amelioration of Hyperglycemia American Diabetes Association December 17, 2012

N. Jahne-Raden, T. Martin, M. Marschollek, K. Huesser, J. Tank. BCG Mapping of the thorax using different sensors, first experiences and signal quality, 2017


B. Veenstra, T. Wyss, L. Roos, S. Devles, M. Buller, N. Beeler. An Evaluation of measurement systems estimating gait speed during a loaded military march over graded terrain. 2018

Psychophysiology


Mobile human monitoring

- Better Data
- Better Decisions
- Better Performance


John S, C. MS, S. BS, W. S. Work Patterns Dictate Energy Demands and Thermal Strain During Wildland Fighting. 2015.

Occupational Health


WH Sinclair, JC Brownsberger. Wearing long pants while working outdoors in the tropics does not yield higher body temperatures. New Zealand Journal of Public Health, 5th Feb 2013

J.J. Davies, R Orr, C Kornhauser, K. Holmes, R Holmes. Differences in initial fitness scores between highway patrol cadets who successfully complete or fail to complete a 17-week training academy. 2016.


06.03.2009, Dortmund (D), GfA Press 2009 ISBN 978-3-936804-07-9, pp. 723-726

Sport


Melissa J Bargh, Prof. Roderick F.G.J King, Mr Michael P Gray, Dr. Ben Jones. Why do team sports athletes drink fluid in excess when exercising in cool conditions. 2016


Kenny J, Cullen S. The Ice Mile: Case study of two swimmers. 2016


P.R Barratt. Measuring Performance at the Great Britain Cycling Team: A case Study of Optimizing Bicycle Setup Parameters. 2018

White Papers & Field Studies

White paper by the International Civil Engineering and Environmental Technology Group. Studying the effects of physical exertion on employees working within nuclear reactors while wearing breathing air protection and/or skin protection (gas suits) in elevated ambient temperature conditions.


John S. Cuddy, MS, Dustin R. Slivka, PhD, Tyler J. Tucker, MS, Walter S. Hailes, MS, Brent C. Ruby - Montana Woodland Fire Fighters - Equivital was evaluated in the field under real fire conditions over a 4 day period 2011.

James Cook University - Institute of Sport and Exercise Science - Temperature monitoring - Equivital is part of the Exercise Physiology Laboratory Equipment


Miscellaneous


Further information

If you require any further information about Hidalgo or EquivitalTM please contact us:

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