



# Academic Research Featuring VO2 Master Technology

## **Concordia University of Chicago, Grand Canyon and Georgia Southern Universities, Aberdeen College**

- March 2026 -

**Parasympathetic Reactivation Following Maximal Exercise: Influence of Breathwork and Body Composition in ROTC Cadets: Original Research**

*Journal of Exercise and Nutrition*

Authors: Mark E. Jones Concordia University of Chicago  
Genevieve Smith Defense Health Agency Public Health – Aberdeen, Aberdeen Proving Ground, MD  
Anthony Acevedo College of Natural Sciences, Grand Canyon University, Phoenix, AZ  
Bridget Melton Department of Health Sciences and Kinesiology, Georgia Southern University, Statesboro, GA

## **Tactical Research Unit, Bond University, QLD, Australia Physiotherapy Department, Faculty of Health Science and Medicine, Bond University, QLD, Australia, Human Performance Cell, Joint Support Group, New Zealand Army, New Zealand**

- January 2026 -

**Soldier load carriage: Does the type of pack matter?**

*Applied Ergonomics*

Authors: Robin Orr, Jacques Rousseau, Elisa F.D. Canetti, Ben Schram

## **Tactical Research Unit, Bond University, Australia. Human Performance Cell, New Zealand Army**

- December 2025 -

**Sex Differences in the Metabolic Cost of a Military Load Carriage Task: A Field Based Study**

*Sports Journal*

Authors: Ben Schram, Jacques Rosseau, Elisa F. D. Canetti, Robin Orr

## **Universities of Cassino and Lazio Meridionale, Wisconsin-La Crosse**

- May 2025 -

**The Impact of a Multidimensional Physical Activity Intervention on Glycemic Control in Type 1 Diabetes: A Preliminary Study**

*Journal of Functional Morphology and Kinesiology*

Authors: Olga Papale, Emanuel Festino, Francesca Di Rocco, Carl Foster, Iris Prestanti, Sofia Serafini, Pascal Izzicupo, Cristina Cortis and Andrea Fusco

## University of León

- April 2025 -

Neuromuscular, Cardiometabolic, and Perceptual Responses to a Short Sprint Interval Training Session with Different Cycling Torques.

*European Journal of Applied Physiology*

Authors: José Riesco-Villar, Aarón Escribano-Pascual, Alejandro González-Fernández, Héctor Pascual-Redondo, Marina Gil-Calvo, Daniel Boullosa

## Western University

- January 2025 -

(Re)Assessment of the COSMED Quark CPET and VO2 Master Pro Systems for Measuring Pulmonary Gas Exchange and Ventilation.

*Scandinavian Journal of Medicine and Science in Sports*

Authors: Johan S. Thiessen, Nasimi A. Guluzade, Robin Faricier, Daniel A. Keir

## University of Colorado

- November 2024 -

Energy Expenditure of Golf Range Practice: A Beta Investigation

*World Journal of Advanced Research and Reviews*

Authors: Neil Wolkodoff, Matthew Moran, Ben Pennymon, Joyce Ann Curry, Gerald Haase

## Duke University

- October 2024 -

VO2 Assessment- Comparison of Mobile Modified Technique with Standard CPET

*Conference: The Anesthesiology Annual Meeting, American Society of Anesthesiologists*

Authors: David B Macleod, Duke University, Jeroen Molinger, Duke University, Marat Fudim, Duke University, Md. Mobashir Hasan, Arizona State University

## Sam Houston University

- October 2024 -

The Reliability of the VO2 Master Pro Metabolic Analyzer and Comparison with the Cosmed Quark

*Science & Sports*

Authors: P.R. Davis, College of Osteopathic Medicine, Sam Houston State University

## Jean Monnet University

- August 2024 -

Ideal Slope in Downhill Running and the Benefits of Combining EMG and VO2

Authors: Thomas Lapole and Gabriel Idda from the Laboratory of Human Movement Biology (LIBM) at Jean Monnet University, Saint-Etienne, France.

## Duke University

- July 2024 -

### Feasibility of a Novel Augmented 6-Minute Incremental Step Test: A Simplified Cardiorespiratory Fitness Assessment Tool

*JACC: Advances*

Authors: Jeroen Molinger MS, Veraprapas Kittipibul MD , J. Matthew Gray MS

## University of Hawai‘i at Mānoa

- March 2024 -

### UH Study First to Measure Outrigger Canoe Paddling Intensity

Authors: Simone Schmid, Postdoctoral Researcher, Office of Public Health Studies. Jena Funakoshi, Graduate Research Assistant, Office of Public Health Studies

## Kawasaki University of Medical Welfare, Okayama Junior College, and Hiroshima Institute of Technology

- 2020 -

### Validity of Oxygen Uptake Measurement Using a Wearable Expired Gas Analysis Device

*79th Annual Meeting of the Japanese Society of Physical Fitness and Sports Medicine*

Authors: Sho Onodera, Noboru Yoshida, Yutaro Tamazato



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