

## Accepted Manuscript

### The Role of Gas Exchange Variables in Cardiopulmonary Exercise Testing for Risk Stratification and Management of Heart Failure with Reduced Ejection Fraction

Jonathan Wagner, Piergiuseppe Agostoni, Ross Arena, Romualdo Belardinelli, Daniel Dumitrescu, Alfred Hager, Jonathan Myers, Rainer Rauramaa, Marshall Riley, Tim Takken, Arno Schmidt-Trucksäss



PII: S0002-8703(18)30159-5  
DOI: doi:[10.1016/j.ahj.2018.05.009](https://doi.org/10.1016/j.ahj.2018.05.009)  
Reference: YMHJ 5699

To appear in:

Received date: 2 February 2018  
Accepted date: 18 May 2018

Please cite this article as: Jonathan Wagner, Piergiuseppe Agostoni, Ross Arena, Romualdo Belardinelli, Daniel Dumitrescu, Alfred Hager, Jonathan Myers, Rainer Rauramaa, Marshall Riley, Tim Takken, Arno Schmidt-Trucksäss, The Role of Gas Exchange Variables in Cardiopulmonary Exercise Testing for Risk Stratification and Management of Heart Failure with Reduced Ejection Fraction. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Ymhj(2018), doi:[10.1016/j.ahj.2018.05.009](https://doi.org/10.1016/j.ahj.2018.05.009)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# The Role of Gas Exchange Variables in Cardiopulmonary Exercise Testing for Risk Stratification and Management of Heart Failure with Reduced Ejection Fraction

Gas Exchange Variables in CPET

Jonathan Wagner – MSc <sup>a</sup>, Piergiuseppe Agostoni – MD, PhD <sup>b</sup>, Ross Arena – PhD, PT <sup>c</sup>, Romualdo Belardinelli – MD <sup>d</sup>, Daniel Dumitrescu – MD <sup>e</sup>, Alfred Hager – MD <sup>f</sup>, Jonathan Myers – PhD <sup>g</sup>, Rainer Rauramaa – MD, PhD, MSc <sup>h</sup>, Marshall Riley – MD <sup>i</sup>, Tim Takken – PhD <sup>j</sup>, Arno Schmidt-Trucksäss – MD, MA <sup>a</sup>

<sup>a</sup> Department of Sport, Exercise and Health, University of Basel, Basel, Switzerland

<sup>b</sup> Centro Cardiologico Monzino, IRCCS, Milano, Italy & Department of Clinical sciences and Community health, Cardiovascular Section, University of Milano, Milano, Italy

<sup>c</sup> Department of Physical Therapy, College of Applied Health Sciences, University of Illinois at Chicago, Chicago, IL, USA

<sup>d</sup> Department of Cardiovascular Sciences, Cardiac Rehabilitation Lancisi, Ancona, Italy

<sup>e</sup> Herzzentrum der Universitaet zu Koeln, Klinik III fuer Innere Medizin, Cologne, Germany

<sup>f</sup> Department of Pediatric Cardiology and Congenital Heart Disease, Deutsches Herzzentrum München, Technical University of Munich, Germany

<sup>g</sup> Cardiology Division, VA Palo Alto Health Care System and Stanford University, Palo Alto, CA, USA

<sup>h</sup> Foundation for Research in Health, Exercise and Nutrition, Kuopio Research Institute of Exercise Medicine, Kuopio, Finland

<sup>i</sup> Department of Medicine, Royal Victoria Hospital, Belfast, Northern Ireland

<sup>j</sup> Department of Pediatrics, University Medical Center Utrecht, Utrecht, Netherlands

**Address for correspondence:** Arno Schmidt-Trucksäss, arno.schmidt-trucksass@unibas.ch ,  
Phone: +41 61 207 47 41, Division of Sports and Exercise Medicine, Department of Sport,  
Exercise and Health, University of Basel, Birsstrasse 320 B, 4052 Basel, Switzerland

Download English Version:

<https://daneshyari.com/en/article/8650898>

Download Persian Version:

<https://daneshyari.com/article/8650898>

[Daneshyari.com](https://daneshyari.com)