

Accepted Manuscript



Complex Energy Metabolic Changes in Heart Failure with Preserved Ejection Fraction and Heart Failure with Reduced Ejection Fraction

Kirstie A. De Jong, BMedSci (hons), Gary D. Lopaschuk, PhD

PII: S0828-282X(17)30114-9

DOI: [10.1016/j.cjca.2017.03.009](https://doi.org/10.1016/j.cjca.2017.03.009)

Reference: CJCA 2393

To appear in: *Canadian Journal of Cardiology*

Received Date: 8 December 2016

Revised Date: 14 March 2017

Accepted Date: 14 March 2017

Please cite this article as: De Jong KA, Lopaschuk GD, Complex Energy Metabolic Changes in Heart Failure with Preserved Ejection Fraction and Heart Failure with Reduced Ejection Fraction, *Canadian Journal of Cardiology* (2017), doi: 10.1016/j.cjca.2017.03.009.

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.

**Complex Energy Metabolic Changes in Heart Failure with Preserved Ejection Fraction
and Heart Failure with Reduced Ejection Fraction**

Kirstie A. De Jong, BMedSci (hons) and Gary D. Lopaschuk, (PhD)*

Mazankowski Alberta Heart Institute, University of Alberta, Edmonton, Alberta, Canada.

*Corresponding author:

Dr. Gary D. Lopaschuk,
423 Heritage Medical Research Building
University of Alberta
Edmonton, Alberta T6G 2S2
Canada

E-mail: gary.lopaschuk@ualberta.ca

Word count: 9965 (excluding title page, table and figure legends).

Key words: Heart failure, preserved ejection fraction, reduced ejection fraction, fatty acid oxidation, glycolysis, glucose oxidation, ketone body oxidation, branched chain amino acid oxidation.

Brief summary: In this paper we review the cardiac energy metabolic changes that occur in heart failure. An emphasis is made on distinguishing the differences in cardiac energy metabolism between heart failure with preserved ejection fraction (HFpEF) and heart failure with reduced ejection fraction (HFrEF) and in clarifying the common misconceptions surrounding the fate of fatty acids and glucose in the failing heart.

Download English Version:

<https://daneshyari.com/en/article/5577392>

Download Persian Version:

<https://daneshyari.com/article/5577392>

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