

# Author's Accepted Manuscript

## Hemodynamic Unloading and the Molecular-Functional Phenotype dissociation in Myocardial Recovery Cardiac Remodeling Without Reprogramming after LVAD

J. Eduardo Rame



PII: S1053-2498(17)31684-4  
DOI: <http://dx.doi.org/10.1016/j.healun.2017.03.007>  
Reference: HEALUN6480

To appear in: *Journal of Heart and Lung Transplantation*

Cite this article as: J. Eduardo Rame, Hemodynamic Unloading and the Molecular-Functional Phenotype dissociation in Myocardial Recovery  
Cardiac Remodeling Without Reprogramming after LVAD, *Journal of Heart and Lung Transplantation*, <http://dx.doi.org/10.1016/j.healun.2017.03.007>

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 galley proof before it is published in its final citable 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.

Hemodynamic Unloading and the Molecular-Functional Phenotype dissociation in Myocardial Recovery

J. Eduardo Rame MD MPhil.

Cardiovascular Division, University of Pennsylvania

Brief Title: Cardiac Remodeling Without Reprogramming after LVAD

**Address for Correspondence:**

J. Eduardo Rame, MD M.Phil.

Cardiovascular Institute

University of Pennsylvania, 11<sup>th</sup> Floor South Tower

3400 Civic Center Blvd

Philadelphia, PA, 19104

E-mail: Eduardo.rame@uphs.upenn.edu

Reverse remodeling of failing myocardium has been demonstrated across a spectrum of heart failure therapies, including  $\beta$ -adrenergic receptor blockade, cardiac resynchronization, and left ventricular assist device support. Remodeling with improvement in myocardial function after mechanical unloading has been demonstrated with pulsatile and axial continuous flow assist devices. (1,2) These patients have not only enjoyed the clinical improvements in the reversal of heart failure with ventricular assist, but in a subset of “responders” marked improvements in myocardial structure and function have been observed in conjunction with multi-faceted changes—coined “reverse

Download English Version:

<https://daneshyari.com/en/article/5615729>

Download Persian Version:

<https://daneshyari.com/article/5615729>

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