# Accepted Manuscript

Title: Giant Ring Mitochondria in a Patient with Heart Failure and Cerebral White Matter Disease Due to MT-TL1 Mitochondrial Gene Mutation

Author: Brian A. Houston, Daniel P. Judge, Emily Brown, Marc Halushka, Lili A. Barouch

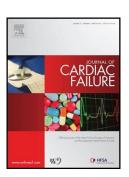
PII: S1071-9164(17)30186-0

DOI: http://dx.doi.org/doi: 10.1016/j.cardfail.2017.06.001

Reference: YJCAF 3973

To appear in: Journal of Cardiac Failure

Received date: 21-3-2017 Revised date: 29-5-2017 Accepted date: 8-6-2017



Please cite this article as: Brian A. Houston, Daniel P. Judge, Emily Brown, Marc Halushka, Lili A. Barouch, Giant Ring Mitochondria in a Patient with Heart Failure and Cerebral White Matter Disease Due to MT-TL1 Mitochondrial Gene Mutation, *Journal of Cardiac Failure* (2017), http://dx.doi.org/doi: 10.1016/j.cardfail.2017.06.001.

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.

# ACCEPTED MANUSCRIPT

# Giant Ring Mitochondria in a Patient with Heart Failure and Cerebral White Matter Disease due to MT-TL1 Mitochondrial Gene Mutation

Brian A. Houston MD, <sup>1</sup> Daniel P. Judge MD, <sup>2</sup> Emily Brown MS, <sup>2</sup> Marc Halushka MD, <sup>3</sup>

Lili A. Barouch, MD<sup>2</sup>

- 1. Division of Cardiology, Department of Medicine, Medical University of South Carolina, Charleston, SC, USA
- 2. Division of Cardiology, Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD, USA
- 3. Department of Pathology, Johns Hopkins Hospital, Baltimore, MD, USA

Word Count: 999 words.

### **Corresponding Author:**

Brian A. Houston
Assistant Professor, Cardiology, MUSC
Medical Director, Mechanical Circulatory Support
114 Doughty Street
MSC 592, BM222
Charleston, SC 29425

Phone: 843-876-4787 Fax: 843-876-4990

email: houstobr@musc.edu

### Download English Version:

# https://daneshyari.com/en/article/5614478

Download Persian Version:

https://daneshyari.com/article/5614478

<u>Daneshyari.com</u>