### Accepted Manuscript

Pre-pregnancy maternal obesity associates with endoplasmic reticulum stress in human umbilical vein endothelium

Roberto Villalobos-Labra, PabloJ. Sáez, Mario Subiabre, Luis Silva, Fernando Toledo, Francisco Westermeier, Fabián Pardo, Marcelo Farías, Luis Sobrevia

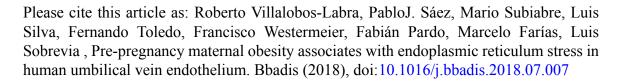
PII: S0925-4439(18)30247-3

DOI: doi:10.1016/j.bbadis.2018.07.007

Reference: BBADIS 65177

To appear in: BBA - Molecular Basis of Disease

Received date: 9 April 2018 Revised date: 23 June 2018 Accepted date: 6 July 2018



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**

# Pre-pregnancy maternal obesity associates with endoplasmic reticulum stress in human umbilical vein endothelium

<sup>1</sup>Roberto Villalobos-Labra, <sup>†</sup>Pablo J Sáez, <sup>1</sup>Mario Subiabre, <sup>1,2</sup>Luis Silva, <sup>1,3</sup>Fernando Toledo, <sup>‡</sup>Francisco Westermeier, <sup>1,4</sup>Fabián Pardo, <sup>1</sup>\*Marcelo Farías, <sup>1,5,6</sup>\*Luis Sobrevia

<sup>1</sup> Cellular and Molecular Physiology Laboratory (CMPL), Division of Obstetrics and Gynaecology, School of Medicine, Faculty of Medicine, Pontificia Universidad Católica de Chile, Santiago 8330024, Chile. <sup>2</sup> Immunoendocrinology, Division of Medical Biology, Department of Pathology and Medical Biology, University of Groningen, University Medical Center Groningen (UMCG), Groningen 9700 RB, The Netherlands. <sup>3</sup> Department of Basic Sciences, Faculty of Sciences, Universidad del Bío-Bío, Chillán 3780000, Chile. <sup>4</sup> Metabolic Diseases Research Laboratory, Center of Research,
Development and Innovation in Health - Aconcagua Valley, San Felipe Campus, School of Medicine, Faculty of Medicine, Universidad de Valparaíso, San Felipe 2172972, Chile. <sup>5</sup>
Department of Physiology, Faculty of Pharmacy, Universidad de Sevilla, Seville E-41012, Spain. <sup>6</sup> University of Queensland Centre for Clinical Research (UQCCR), Faculty of Medicine and Biomedical Sciences, University of Queensland, Herston, QLD 4029, Queensland, Australia.

**Short title:** Pre-pregnancy maternal obesity and endothelial ER stress

\*Correspondence: Professor Luis Sobrevia, Dr Marcelo Farías

Cellular and Molecular Physiology Laboratory (CMPL)

Division of Obstetrics and Gynaecology School of Medicine

Faculty of Medicine Pontificia Universidad Católica de Chile

P.O. Box 114-D, Santiago 8330024, Chile.

Telephone: +562-23548117, Fax: +562-26321924 E-mails: lsobrevia@uc.cl, mfarias@med.puc.cl

† Present address: Institut Curie, Paris Sciences & Lettres Research University, CNRS,

UMR 144, F-75005 Paris, France.

‡ Present address: FH JOANNEUM Gesellschaft mbH University of Applied

Sciences, Institute of Biomedical Science, Eggenberger Allee 13,

8020 Graz, Austria.

#### Download English Version:

# https://daneshyari.com/en/article/8949176

Download Persian Version:

https://daneshyari.com/article/8949176

<u>Daneshyari.com</u>