

Author's Accepted Manuscript

Influence of the periprostatic adipose tissue in obesity-associated mouse urethral dysfunction and oxidative stress: effect of resveratrol treatment

Eduardo C. Alexandre, Fabiano B. Calmasini, Amanda C.da S. Sponton, Mariana G de Oliveira, Diana M. André, Fábio H. Silva, Maria Andréia Delbin, Fabíola Z. Mónica, Edson Antunes



PII: S0014-2999(18)30459-X
DOI: <https://doi.org/10.1016/j.ejphar.2018.08.010>
Reference: EJP71935

To appear in: *European Journal of Pharmacology*

Received date: 11 June 2018
Revised date: 7 August 2018
Accepted date: 10 August 2018

Cite this article as: Eduardo C. Alexandre, Fabiano B. Calmasini, Amanda C.da S. Sponton, Mariana G de Oliveira, Diana M. André, Fábio H. Silva, Maria Andréia Delbin, Fabíola Z. Mónica and Edson Antunes, Influence of the periprostatic adipose tissue in obesity-associated mouse urethral dysfunction and oxidative stress: effect of resveratrol treatment, *European Journal of Pharmacology*, <https://doi.org/10.1016/j.ejphar.2018.08.010>

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.

Influence of the periprostatic adipose tissue in obesity-associated mouse urethral dysfunction and oxidative stress: effect of resveratrol treatment

Eduardo C. Alexandre^{a*}, Fabiano B. Calmasini^a, Amanda C. da S. Sponton^b, Mariana G de Oliveira^a, Diana M. André^a, Fábio H. Silva^c, Maria Andréia Delbin^a, Fabíola Z. Mónica^a and Edson Antunes^a

^aDepartment of Pharmacology, Faculty of Medical Sciences, University of Campinas (UNICAMP), Campinas 13084-971, Brazil.

^bDepartment of Structural and Functional Biology, Institute of Biology, University of Campinas (UNICAMP), Campinas 13083-862, Brazil.

^cHematology and Hemotherapy Center, University of Campinas (UNICAMP), Campinas 13083-878, Brazil.

*Correspondence:

Department of Pharmacology, Faculty of Medical Sciences, University of Campinas (UNICAMP), Alexander Flemming Street, 40 fundos, 13084-971, Campinas (SP), Brazil. Tel. +55-19-3521-9555. edu86alex@gmail.com

ABSTRACT

Obese mice display overactive bladder (OAB) associated with impaired urethra smooth muscle (USM) function. In this study, we evaluated the role of the adipose tissue surrounding the urethra and prostate in obese mice (here referred as periprostatic adipose tissue; PPAT) to the USM dysfunction. Male C57BL6/JUnib mice fed with either a standard-chow or high-fat diet to induce obesity were used. In PPAT, histological analysis, and qPCR analysis for gp91phox, tumor necrosis factor- α (TNF- α)

Download English Version:

<https://daneshyari.com/en/article/8944012>

Download Persian Version:

<https://daneshyari.com/article/8944012>

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