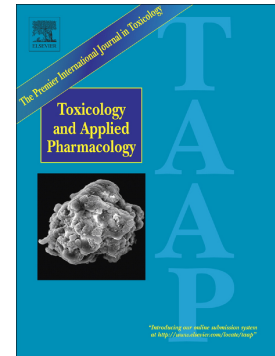


Accepted Manuscript

Melatonin improves cardiac and mitochondrial function during doxorubicin-induced cardiotoxicity: A possible role for peroxisome proliferator-activated receptor gamma coactivator 1-alpha and sirtuin activity?



Jenelle Govender, Ben Loos, Erna Marais, A.-M. Engelbrecht

PII: S0041-008X(18)30305-3
DOI: [doi:10.1016/j.taap.2018.06.031](https://doi.org/10.1016/j.taap.2018.06.031)
Reference: YTAAP 14322

To appear in: *Toxicology and Applied Pharmacology*

Received date: 12 December 2017
Revised date: 27 June 2018
Accepted date: 28 June 2018

Please cite this article as: Jenelle Govender, Ben Loos, Erna Marais, A.-M. Engelbrecht, Melatonin improves cardiac and mitochondrial function during doxorubicin-induced cardiotoxicity: A possible role for peroxisome proliferator-activated receptor gamma coactivator 1-alpha and sirtuin activity?. *Ytaap* (2018), doi: [10.1016/j.taap.2018.06.031](https://doi.org/10.1016/j.taap.2018.06.031)

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.

Melatonin improves cardiac and mitochondrial function during doxorubicin-induced cardiotoxicity: A possible role for peroxisome proliferator-activated receptor gamma coactivator 1-alpha and sirtuin activity?

Jenelle Govender^{1,*}, Ben Loos¹, Erna Marais² and A-M Engelbrecht¹

¹Department of Physiological Sciences, Stellenbosch University, Stellenbosch, 7600, South Africa

²Department of Medical Physiology, Faculty of Medicine, Stellenbosch University, Tygerberg Campus, 7505, South Africa

Communicating author: Dr. Jenelle Yogeshni Govender

Department of Physiological Sciences
c/o Merriman Rd and Bosman Rd
Mike de Vries Buiding
Stellenbosch University
Private Bag X 1
Matieland
Stellenbosch
7600
Email: yjgovender@sun.ac.za
Tel: +27 72 078 4113
Fax: +27 21 808 3145
Web: www.sun.ac.za/physiolsciences

Download English Version:

<https://daneshyari.com/en/article/10158593>

Download Persian Version:

<https://daneshyari.com/article/10158593>

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