Author's response to reviews

Title: Cardiovascular autonomic dysfunction and oxidative stress induced by fructose overload in an experimental model of hypertension and menopause

Authors:

Filipe F Conti (ffconti@outlook.com)
Janaina O Brito (brito.jno@gmail.com)
Nathalia Bernardes (nbernarde@outlook.com)
Danielle S Dias (danielledias@outlook.com)
Iris C Sanches (iriscallado@gmail.com)
Christiane Malfitano (chrismalfi@hotmail.com)
Maria-Claudia Irigoyen (hirigoyen@incor.usp.br)
Kátia De Angelis (prof.kangelis@yahoo.com)

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Author's response to reviews: see over
To

BMC Cardiovascular Disorders

Dear Sir

Please consider for publication in BMC Cardiovascular Disorders an original manuscript by Conti et al. entitled “Cardiovascular autonomic dysfunction and oxidative stress induced by fructose overload in an experimental model of hypertension and menopause”

Current evidence points that autonomic function may modulate inflammatory and oxidative stress in physiopathological conditions. Thus, the aim of this study was to assess the effects of fructose overload on cardiovascular autonomic modulation, inflammation and cardiac oxidative stress in an experimental model of hypertension and menopause. We showed that fructose overload induced impairment of cardiovascular autonomic modulation associated with increased oxidative stress and inflammatory parameter in hypertensive ovariectomized rats. These data reinforce the role of autonomic changes in immune function modulation, by inducing the release of bioactive molecules which are involved in the increased oxidative stress and development of cardiometabolic changes after menopause.

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Suggested reviewers:

Maria Helena Catelli de Carvalho (mahecaca@icb.usp.br)
Vera Moura Azevedo Farah (verafarah@mackenzie.br)
Ivani Trombetta (cndivani@incor.usp.br)
Susana Llesuy (slllesuy@ffyb.uba.ar)
Pawan Singal (psingal@sbrca.ca)

Thank you for the opportunity.

Sincerely,

Kátia De Angelis, PhD

Universidade Nove de Julho - Science Rehabilitation Program.
Rua Vergueiro, 235, 2º subsolo, ZipCode 01504 001.
Sao Paulo, SP, Brazil.
Phone: 55 11-33859154
E-mail: prof.kangelis@uninove.br