Author's response to reviews

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

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Version: 3
Date: 31 July 2014

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.

The undersigned authors transfer all copyright ownership of the manuscript to BMC Cardiovascular Disorders. The authors confirm that they have reviewed and approved the final version of manuscript. Financial support: CAPES, CNPq, and FAPESP.

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Thank you for the opportunity.

Sincerely,

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