Meet Our Editor-in-Chief

Antonio Crisafulli

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Prof. Antonio Crisafulli is a Medical doctor and a cardiovascular physiologist of the University of Cagliari (Italy). He is also a specialist in Sport Medicine and he has a PhD in Physiology.

He presently leads the Laboratory of Sport Physiology and teaches human physiology at the faculty of Medicine.

His fields of expertise are cardiovascular physiology and physiopathology, exercise physiology, assessment of physical capacity and cardiovascular response during exercise in healthy subjects and in patients suffering from cardiovascular, metabolic, and neurological diseases.

He co-authored about 100 papers in peer-reviewed journals and served as a reviewer for more than 50 journals, such as American Journal of Physiology, Nature Clinical Practice Cardiovascular Medicine, International Journal of Cardiology, European Heart Journal, European Journal of Cardiovascular Prevention and Rehabilitation, and Current Cardiology Reviews.

He is a member of the editorial board of the *International Journal of Sports Medicine*.

He is a member of the Physiological Society, the American Physiological Society, the Italian Society of Cardiovascular Research, the European College of Sport Science, and the American College of Sport Medicine.

He took part as a speaker in more than 30 international congresses on cardiology, physiology, and sport science.

SELECTED LIST OF PUBLICATIONS

- [1] Crisafulli A, Melis F, Tocco F, *et al.* Exercise-induced and nitroglycerin-induced myocardial preconditioning improves hemodynamics in patients with angina. *Am J Physiol (Heart Circ Physiol)* 2004; 287: H235-H242.
- [2] Crisafulli A, Salis E, Tocco F, *et al.* Impaired central hemodynamic response and exaggerated vasoconstriction during muscle metaboreflex activation in heart failure patients. *Am J Physiol (Heart Circ Physiol)* 2007; 292: 2988-96.
- [3] Piepoli M, Dimopoulos K, Concu A, *et al.* Cardiovascular and ventilatory control during exercise in chronic heart failure: role of muscle reflexes. (review). *Int J Cardiol* 2008; 130: 3-10.
- [4] Roberto S, Marongiu E, Pinna M, *et al.* Altered hemodynamics during muscle metaboreflex in young, type 1 diabetes patients. *J Appl Physiol* 2012; 113: 1323-31.
- [5] Crisafulli A, Tocco F, Milia R, *et al.* Progressive improvement in hemodynamic response to muscle metaboreflex in heart transplant recipients. *J Appl Physiol* 2013; 114: 421-7.
- [6] Piepoli M.F, Crisafulli A. Pathophysiology of human heart failure: importance of skeletal muscle myopathy and reflexes. *Exp Physiol* 2014; 99: 609-15.
- [7] Marongiu E, Crisafulli A. Cardioprotection acquired through exercise: the role of ischemic preconditioning. *Current Cardiol Rev* 2014; 10: 336-48.
- [8] Roberto S, Mulliri G, Milia R, *et al.* Haemodynamic response to muscle reflex is abnormal in patients with heart failure with preserved ejection fraction. *J Appl Physiol* 2017; 122: 376-85.
- [9] Magnani S, Roberto S, Sainas G, *et al.* Metaboreflex-mediated hemodynamic abnormalities in individuals with coronary artery disease without overt signs or symptoms of heart failure. *Am J Physiol (Heart Circ Physiol)* 2018; 314: H452-H463.
- [10] Roberto S, Milia R, Doneddu A, *et al.* Hemodynamic abnormalities during muscle metaboreflex activation in type 2 diabetes mellitus patients. *J Appl Physiol* 2019; 126(2): 444-53.