

SOCIETA' ITALIANA DI RICERCHE CARDIOVASCOLARI



CONGRESSO NAZIONALE

26-28 Novembre 2015  
Palazzo Sersanti, Imola

POSTERS

**POSTER SESSION I****13.00-18.00 - Topic: Novel frontiers in Translational Cardioscience***Chairs: L. Sartiani - A. Parenti***P1.1**

**Different methods for assessing hemodynamic congestion using inferior vena cava echographic indexes. A retrospective study.**

C. Ariano (Presidio Sanitario Intermedio "Elena d'Aosta", Naples, Italy)

**P1.2**

**Cohen's kappa statistic for evaluating the concordance between different definitions of worsening renal function during acute decompensated heart failure. A retrospective study.**

R. De Vecchis (Presidio Sanitario Intermedio "Elena d'Aosta", Naples, Italy)

**P1.3**

**Adenosine receptors transcriptomic profile in cardiac fibroblasts of patients with left ventricular dysfunction due to valvular disease undergoing prosthetic implantation.**

M. Cabiati (CNR Institute of Clinical Physiology, Pisa, Italy)

**P1.4**

**Gelatin and carbon-based nanotubes scaffold for cardiac tissue engineering: a preliminary study.**

M. Cabiati (CNR Institute of Clinical Physiology, Pisa, Italy)

**P1.5**

**Fully differentiated cardiomyocytes from human amniotic fluid-derived stem cells.**

M.A. D'Amico (Gabriele D'Annunzio University, Chieti, Italy)

**P1.6**

**Spread bio oil diet and cardiac response to ischemia/reperfusion: a preliminary study in mice.**

S. Femminò (University of Turin, Italy)

**P1.7**

**Obestatin exerts post-conditioning-like cardioprotective effects via nitrosative/oxidative signalling.**

S. Femminò (University of Turin, Italy)

**P1.8**

**Differential pattern of myocardial remodelling in genetically determined and load- dependent hypertrophy in humans.**

A. Gervasi (University of Parma, Italy)

**P1.9**

**Antihypertensive effects of novel quercetin derivatives.**

F. Grande (University of Calabria, Arcavacata di Rende, CS, Italy)

**P1.10**

**The adult myocardium has a robust endogenous cardiomyocyte turnover potential.**

F. Marino (Magna Graecia University, Catanzaro, Italy)

**P1.11**

**High cardiac differentiation properties are evident in induced pluripotent stem cells obtained from atrial mesenchymal cells.**

A. Rossini (EURAC, Bolzano, Italy)

**P1.12**

**Novel evaluation of cardiac kinematics/dynamics parameters for in-situ heart by a high-speed bright-field video mapping validated by epicardial multiple lead recording.**

G. Rozzi (University of Parma, Italy)

**P1.13**

**c-Kit<sup>+</sup> CSC-derived cardiomyocytes exhibit the typical transcriptional gene blueprint of adult cardiomyocytes.**

M. Scalise (Magna Graecia University, Catanzaro, Italy)

**P1.14**

**Exacerbation of myocardial ischemia/reperfusion injury induced by high-fat-high-fructose (HFHF) diet: role of NLRP3 inflammasome.**

F. Tullio (University of Turin, Italy)

**POSTER SESSION II****08.30-13.30 - Topic: New frontiers in Vascular Biology and Pharmacology***Chairs: V. Lionetti - F. Quaini***P2.1**

**Study of notch signalling modulation by shear stress by using an ex vivo cone-and-plate system.**

G. Aquila (University of Ferrara, Italy)

**P2.2**

**Myostatin participate to abdominal aortic atherosclerosis and aneurysm development through VSMCs dysfunction and monocyte activation.**

C. Barisione (University of Genoa, Italy)

**P2.3**

**Perifollicular vascularization: cocultures and tricultures approaches to study the cross-talk between microvascular endothelial cells, follicle papilla cells and keratinocytes.**

E. Bassino (University of Turin, Italy)

**P2.4**

**Microarray analysis reveals distinct RNA expression profiles in endothelial progenitor cells exposed to pro-inflammatory environment or oxidized LDL.**

V. Bianchessi ( Centro Cardiologico Monzino IRCCS, Milan, Italy)

**P2.5**

**Characterization of two new adenosine-2a receptor putative isoforms in minipig cardiac tissue during pacing-induced left ventricular dysfunction.**

M. Cabiati (CNR Institute of Clinical Physiology, Pisa, Italy)

**P2.6**

**Restriction in fluid intake as a nonpharmacological tool for counteracting congestion in heart failure patients: A metaanalysis of randomized controlled trials.**

R. De Vecchis (Presidio Sanitario Intermedio "Elena d'Aosta", Naples, Italy)

**P2.7**

**A new FRET-based biosensor to investigate the link between hearth failure and Alzheimer's disease.**

C. Di Primio (Scuola Normale Superiore, Pisa, Italy)

**P2.8**

**Is NLRP3 inflammasome a new pharmacological target in myocardial ischemia/reperfusion injury?**

S. Femminò (University of Turin, Italy)

**P2.9**

**Integrative approach to the investigation of the performance-perfusion interaction in skeletal muscles.**

A. Folino (University of Turin, Italy)

**P2.10**

**Estrogen receptor  $\beta$  is involved in  $17\beta$ -estradiol-mediated NOTCH1 activation and angiogenesis enhancement in human endothelial cells.**

F. Fortini (University of Ferrara, Italy)

**P2.11**

**Neurovascular coupling at the cerebellar granular layer.**

F. Moccia (University of Pavia, Italy)

**P2.12**

**Adult stem cells associated to pharmacologically active microcarriers: a therapeutic strategy for peripheral limb ischemia.**

C. Montero-Meney (University of Angers, France)

**P2.13**

**Particulate matter-induced generation of microparticles by human mononuclear and endothelial cells: a possible novel link between airborne pollutants and cardiovascular diseases.**

T. Neri (University of Pisa, Italy)

**P2.14**

**Cardiovascular toxicity of carfilzomib on vascular tone, vascular reactivity and endothelial function.**

R. Raddino (University of Brescia, Italy)

**POSTER SESSION III**

**14.00-19.00 - Topic: New frontiers in Cardiovascular Protection**

*Chairs: T. Angelone - D. Stilli*

**P3.1**

**Transcriptome profiling of natriuretic peptide system in cardiac tissue of patients with idiopathic or ischemic end-stage dilated cardiomyopathy.**

M. Cabiati (CNR Institute of Clinical Physiology, Pisa, Italy)

**P3.2**

**Pre-conditioning cardioprotection mediated by the estrogen receptors in spontaneously hypertensive female rats.**

M.C. Cerra (University of Calabria, Arcavacata di Rende, CS, Italy)

**P3.3**

**Heart rate reduction by ivabradine for improvement of endothelial function in patients with coronary artery disease: the randomized open-label RIVENDEL study.**

I. Colaïori (Campus Bio-Medico University, Rome, Italy)

**P3.4**

**GPER activation mitigates cardiotoxicity induced by the anticancer agent doxorubicin.**

E.M. De Francesco (University of Calabria, Arcavacata di Rende, CS, Italy)

**P3.5**

**Comparison between two different methods of determining b-type natriuretic peptide, by measuring it from capillary blood of fingertip or from traditional venous blood sample.**

G. Di Biase (Clinica "S.Maria del Pozzo", Somma Vesuviana, NA, Italy)

**P3.6**

**Apelin protects the heart against ischemia-reperfusion injury via epidermal growth factor receptor (EGFR) transactivation.**

A. Folino (University of Turin, Italy)

**P3.7**

**Met activation for cardioprotection against anthracycline cardiotoxicity.**

S. Gallo (University of Turin, Italy)

**P3.8**

**Nitric oxide mediated cytoprotection against simulated ischemia/reperfusion caused injury in induced pluripotent stem cell-derived cardiac myocytes.**

A. Görbe (University of Szeged, Hungary)

**P3.9**

**Inhibition of phosphoinositide 3-kinase  $\gamma$  protects against chemotherapy-induced cardiomyopathy by promoting cardiac autophagy.**

M. Li (University of Turin, Italy)

**P3.10**

**Role of mechano-sensitive dilatation in exercise-induced rapid hyperemia.**

A. Messere (University of Turin, Italy)

**P3.11**

**Effects of rosuvastatin vs. atorvastatin at high doses acutely after STEMI: endothelial dysfunction and inflammatory biomarkers evaluation.**

R. Raddino (University of Brescia, Italy)

**P3.12**

**Cardiac alterations of IL33/ST2 system in the Zucker rat model of obesity: relationship with natriuretic peptide system and inflammatory mediators.**

M. Ragusa (Scuola Superiore Sant'Anna, Pisa, Italy)

**P3.13**

**Biohumoral profile of pediatric patients with heart failure submitted to ventricular assist device support.**

M. Ragusa (Scuola Superiore Sant'Anna, Pisa, Italy)

**P3.14**

**C-Kit/CREER<sup>T2</sup> knock-in allele minimally tags c-kit positive resident endogenous cardiac stem cells and its cardiomyocyte progeny in the adult life.**

E. Cianflone (Magna Graecia University, Catanzaro, Italy)



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**POSTER SESSION IV****08.00-13.30 - Topic: New frontiers in Molecular Cardiology***Chairs: C. Penna - C.G. Tocchetti***P4.1**

**Late sodium current blockers with different selectivity reduce the electrical and mechanical dysfunction in the myocardium of patients with hypertrophic cardiomyopathy**

R. Coppini (University of Florence, Italy)

**P4.2**

**A new synthetic peptide, TAT-RH10A, regulates hypertrophy *in vitro* by inhibiting NFκB.**

C. Del Giudice (Federico II University, Naples, Italy)

**P4.3**

**Myocardial actions of the chromogranin a-derived pyroglutaminated serpinin in the goldfish (*Carassius Auratus*) and in the frog (*Rana Esculenta*).**

S. Imbrogno (University of Calabria, Arcavacata di Rende, CS, Italy)

**P4.4**

**Analysis of mechanosensing in human cardiac stem cells.**

E. Mazzega (University of Udine, Italy)

**P4.5**

**Inhibitory effects of adenosine and adenosine A1 receptors stimulation on catecholamine-induced increase in cAMP level and force of contraction in atrial and ventricular myocyte.**

M. Mazzola (University of Verona, Italy)

**P4.6**

**Endothelial cells stimulate differentiation of circulating endothelial precursors through soluble factors.**

S. Paccosi (University of Florence, Italy)

**P4.7**

**Dendritic cell phenotype and function are modulated by inflammation and insulin-resistance.**

S. Paccosi (University of Florence, Italy)

**P4.8**

**Long term exposure to titanium dioxide nanoparticles directly affects cardiac structure and performance in spontaneously hypertensive rats.**

S. Rossi (University of Parma, Italy)

**P4.9**

**NOS/sGC/cGK1 pathway in cardiac-specific differentiation of mouse embryonic stem cells.**

V. Spinelli (University of Florence, Italy)

**P4.10**

**Effect of suberoylanilide hydroxamic acid (SAHA) on functional properties of HL-1 cardiomyocytes.**

S. Suffredini (EURAC, Bolzano, Italy)

**P4.11**

**Acidic  $\text{Ca}^{2+}$  stores interact with the endoplasmic reticulum to shape intracellular  $\text{Ca}^{2+}$  signals in human endothelial progenitor cells.**

E. Zuccolo (University of Pavia, Italy)

**P4.12**

**Acetylcholine induces nitric oxide production by inducing intracellular  $\text{Ca}^{2+}$  oscillations in mouse brain endothelial cells.**

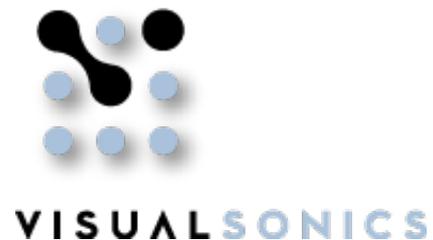
E. Zuccolo (University of Pavia, Italy)





## RINGRAZIAMENTI ALLE AZIENDE

Con il contributo incondizionato di:



Lavori in corso ..

