

POSTER GROUP PA - VASCULAR

- PA.01 Alteration of microvascular flow-mediated dilation in Syrian hamsters lacking δ -sarcoglycan is caused by enhanced oxidative stress
K. Retailleau, A. Bocquet, E.J. Belin de Chantemèle, B. Toutain, A.L. Guihot, H. Mongue-Din, Y. Fromes, D. Henrion, L. Loufrani (Angers and Paris)
- PA.02 Role of nucleotides, ectonucleotidases and P2 receptors in vascular contraction and myogenic tone
G. Kauffenstein, A. Drouin, L. Loufrani, E. Thorin, B. Robaye, J. Sévigny, D. Henrion (Angers, Montréal, Bruxelles and Québec)
- PA.03 What is the optimal anesthetic protocol for measurements of cerebral autoregulation in spontaneously breathing mice?
Z. Wang, B. Schuler, O. Vogel, M. Arras, **J. Vogel** (Zurich)
- PA.04 Middle cerebral artery alterations in a rat chronic hypoperfusion model
A. Márquez-Martín, F. Jiménez-Altayó, F.J. Pérez-Asensio, A.M. Planas, E. Vila (Bellaterra and Barcelona)
- PA.05 In vivo studies elucidating the functional role of soluble guanylyl cyclase (sGC) and its different isoforms in vasodilatation and penile erection
K. Decaluwé, S. Nimmegeers, R. Thoonen, P. Brouckaert, J. Van de Voorde (Ghent)
- PA.06 G-protein $\beta\gamma$ subunits mediate calcitonin gene-related peptide-induced effects
M.J.P.M.T. Meens, N.J.A. Mattheij, J.G.R. De Mey (Maastricht)
- PA.07 Upregulation of contractile endothelin type B2 receptors by lipid-soluble cigarette smoking particles in rat cerebral arteries via activation of MAPK
H.S. Sandhu, C.B. Xu, L. Edvinsson (Glostrup and Lund)
- PA.08 Local enhanced contractile response of ETB, 5-HT1B and AT1 receptors following distal focal permanent occlusion
M. Rasmussen, M. Hornbak, L. Edvinsson (Glostrup and Lund)
- PA.09 Rapid transcriptional upregulation of ETB receptors in rat coronary arteries during myograph studies
G.F. Skovsted, A.F. Pedersen, M. Sheykhzade, L. Edvinsson (Glostrup and Copenhagen)
- PA.10 Expressional changes in cerebrovascular receptors after global cerebral ischemia
S. Johansson, G. Klitgaard-Povlsen, L. Edvinsson (Glostrup, Copenhagen and Lund)
- PA.11 Doxycycline does not interfere with the post-thrombotic neointima developed in an experimental model of intrinsic stenosis involving the simulation of an aortic eccentric atherosclerotic plaque
C. Tefé-Silva, C.T. Beneli, E.M. Floriano, M.R. Celes, M.A. Cortez, S.G. Ramos (Ribeirao Preto)

POSTER GROUP PB - ENDOTHELIUM

- PB.01 Endothelial dysfunction in ACE2 gene-deleted mice: role of oxidative stress and nitric oxide imbalance
L.A. Rabelo, M. Todiras, J.M. Penninger, R.A.S. Santos, M. Bader, N. Alenina (Belo Horizonte, Maceio, Berlin and Vienna)
- PB.02 Endothelin receptor activation reverses hypoxic vasodilation in porcine large coronary arteries
E.R. Nielsen, O. Fröbert, **Y.E.G. Eskildsen-Helmond**, E. Stankevicius, U. Simonsen (Aarhus and Örebro)
- PB.03 Cyclophilin A and endothelial dysfunction in hypoxic pulmonary hypertension
M. Aalling, Y.E.G. Eskildsen-Helmond, U. Simonsen (Aarhus)

- PB.04 Involvement of hydrogen sulfide in endothelium-dependent vasodilation
A. Gouliaev, M. Aalling, U. Simonsen, N. Skovgaard (Aarhus)
- PB.05 The BKCa-channel is part of the EDHF-response in human subcutaneous resistance arteries
M.K. Borg, C. Aalkjaer (Aarhus)
- PB.06 Vasorelaxant effect induced by a grape pomace extract obtained by a novel enzymatic process
R. Rodriguez-Rodriguez, M.L. Justo, W. Theess, C. Mingorance, M. Alvarez de Sotomayor, J. Parrado, M.D. Herrera (Seville)
- PB.07 Vascular changes on mesenteric arteries from senescence-accelerated mice
F. Jiménez-Altayó, M. Romo, Y. Onetti, A.P. Dantas, E. Vila (Bellaterra and Barcelona)
- PB.08 Aortic changes in senescence-accelerated female mice
Y. Onetti, F. Jiménez-Altayó, E. Vila, A.P. Dantas (Bellaterra and Barcelona)
- PB.09 Effect of extracellular pH on intracellular pH and nitric oxide production from rat aorta endothelium and vascular smooth muscle
A.C. Celotto, V.K. Capellini, C.B.A. Restini, L.M. Bendhack, **P.R.B. Evora** (Ribeirão Preto)
- PB.10 High endothelial shear stress preserves endothelial cell and leads to rupture-prone plaques
J.H. Qiu, **G.X. Wang**, J.J. Hu, Y.Q. Teng, H. Liu, L.Q. Ye, D.H. Wei (Chongqing)

POSTER GROUP PC – BLOOD PRESSURE AND REMODELLING

- PC.01 Mesenteric ischemia induces structural and mechanical alterations on mesenteric resistance arteries
L. Caracuel, M. Romo, A. Márquez-Martín, F. Jiménez-Altayó, E. Vila (Bellaterra)
- PC.02 Chronotherapy with a fixed valsartan/hydrochlorothiazide combination: improved asleep blood pressure control with bedtime dosing
D.E. Ayala, R.C. Hermida, A. Mojon, J.R. Fernandez (Vigo)
- PC.03 Heme oxygenase-1 induction is differentially involved in flow (shear stress)-dependent remodelling of rat resistance arteries
M.L. Freidja, V. Desquiret, D. Lambert, B. Toutain, V. Procaccio, D. Henrion (Angers)
- PC.04 The impact of renal damage and antiretroviral therapy on arterial structure and function
A. Maloberti, F. Cesana, S. Nava, D. Dozio, M. Corciulo, A. Gori, F. Sabbatini, N. Squillace, A. Stella, C. Giannattasio, G. Mancina (Monza)
- PC.05 AT2 receptor stimulation prevents aortic thickening and pulse wave velocity increase in L-NAME hypertensive rats
L. Paulis, K. Schwengel, K. Lucht, S. Becker, S. Slavic, E. Kaschina, R.U. Kemnitz, J. Baulmann, T. Unger, U.M. Steckeling (Berlin and Wuerzburg)
- PC.06 Prolylcarboxypeptidase deficient mice reveal its multiple functions
I.C. Schadock, M. Todiras, L. Vilianovich, F. Qadri, A. Heuser, R.A.S. Santos, M. Bader (Berlin and Belo Horizonte)
- PC.07 Effects of prorenin-derived peptides on the proliferation of human cultured saphenous vein smooth muscle cells
S. Akunuri, F. Christofi, S. Wijetunge, A.D. Hughes (London)
- PC.08 Cystamine reduces blood pressure in SHR and attenuates inward eutrophic remodelling in vitro
M.E. Pedersen, A. Eftekhari, G. Chwatko, E. Bald, M.J. Mulvany (Aarhus and Lodz)

- PC.09 Disproportionally impaired microvascular structure in mild hypertension
A. Eftekhari, O.N. Mathiassen, O. Goetzsche, M.J. Mulvany, K.L. Christensen (Aarhus)
- PC.10 The importance of blood pressure variability for subclinical organ damage and cardiovascular events: a LIFE substudy
J.K.K. Vishram, K. Wachtell, H. Ibsen, L. Lindholm, S.E. Kjeldsen, B. Dahlöf, P.M. Okin, R.B. Devereux, M.H. Olsen (Glostrup, Copenhagen, Holbæk, Umeå, Oslo, Göteborg and New York)
- PC.11 Effects of antihypertensive treatment on capillary rarefaction in essential hypertension
R.P. Raghuraman, L.Q. Liu, J.D. Simon, C. Carney, T.F.T. Antonios (London)

POSTER GROUP PD - CLINICAL

- PD.01 Neutrophil Gelatinase-Associated Lipocalin (NGAL) a new early marker of dehydration in the elderly
M. Escande Orthlieb, M. Mordarska, L. Marsoubian, N. Escande Beillard, E. Beillard (Allauch)
- PD.02 Interplay of vasoactive peptide signalling in pain sensation
O. Vogel, M. Scott, Z. Wang, L. Ittner, J.A. Fischer, W. Born, **J. Vogel** (Zurich)
- PD.03 Platelet preservation during cardiopulmonary bypass with aprotinin
P. Pollice, F. Pollice, F. Rubens (Ontario)
- PD.04 Alarming evidence on the prevalence of cardiovascular risk factors in Italy
R. Laccetti, A. Pota, S. Stranges, C. Falconi, B. Memoli, L. Bardaro, B. Guida (Naples, Coventry and Lyon)
- PD.05 Carotid atherosclerosis, arterial stiffness, and endothelial function in young and middle-aged men with coronary artery disease
S.G. Kozlov, **T.V. Balakhonova**, H.A. Mahmudova, A.N. Rogoza (Moscow)
- PD.06 Timely Rhythm Assessment for Coronary events at the Emergency Room of the Philippine General Hospital (TRACER)
J.A. Magno, C. Santella, E. Reyes (Manila)
- PD.07 In vitro evaluation stent with endothelial cells containing VEGF-gene
G.X. Wang, C.P. Yu, C.J. Tang (Chongqing)
- PD.08 Effect of non-pulsatile ex vivo perfusion with crescent pressures in human saphenous veins (HSV): morphological, immunohistochemical and biochemical study
M.B. Dalio, F. Viaro, A.C. Celotto, V.K. Capellini, E.E. Joviliano, C.E. Piccinato, S. Bassetto, A.J. Rodrigues, L.F. Tirapelli, **P.R.B. Evora** (Ribeirão Preto)
- PD.09 The dynamics of the endothelial function (EF) in patients with lacunar infarction (LI) and comparisons between endothelial function and neurological impairment (NI) and EF and carotid intima-media thickness (IMT)
E.N. Borskaya, O.B. Kerbikov (Moscow)
- PD.10 Association of TIRAP/MAL polymorphism (S180L) with coronary artery disease in Pakistani population
M. Noreen, M. Arshad (Islamabad)
- PD.11 Novel vascular graft with helical slot inhibits thrombosis and intimal hyperplasia
G.X. Wang, J.H. Qiu, J.H. Zhu, H. Zhang, R. Guidoin (Chongqing and Quebec)

- PD.12 Protective effect of captopril and enalaprilat, angiotensin-converting enzyme inhibitors, on para-nonylphenol-induced •OH generation and dopamine efflux in rat striatum
T. Obata (Fukushima)

POSTER GROUP PE- CARDIAC

- PE.01 Vitamin D levels and mortality in type 2 diabetes
C. Joergensen, M-A. Gall, A. Schmedes, L. Tarnow, H-H. Parving, P. Rossing (Gentofte, Vejle, Copenhagen and Aarhus)
- PE.02 Role of norepinephrine transporter in blood pressure regulation, cardiac remodelling and circadian rhythm
A.N. Panek, M. Todiras, R. Plehm, J. Jordan, M. Bader, C. Özcelik (Berlin and Hannover)
- PE.03 Parathyroid hormone and vitamin D status in chronic heart failure
E.V. Reznik, G.E. Gendlin, G.I. Storozhakov (Moscow)
- PE.04 Hypercholesterolemia impairs the myocardial angiogenic response in a swine model of chronic ischemia
P. Pollice, F. Pollice, F. Rubens (Ontario)
- PE.05 Chronic melatonin treatment reduces LV fibrosis and dysfunction in L-NAME-induced hypertension and in SHR
L. Paulis, O. Pechanova, T. Unger, U.M. Steckelings, P. Celec, M. Adamcova, J. Zicha, F. Simko (Bratislava, Berlin, Hradec Kralove and Prague)
- PE.06 Disruption of dystrophin and β -dystroglycan may be involved in doxorubicin-induced cardiomyopathy in rats
E.C. Campos Pulici, J.L. O'Connell, L.M. Malvestio, C.M. Prado, M.R.N. Celes, M.V. Simões, M.A. Rossi (Ribeirao Preto)
- PE.07 Disruption of sarcolemmal dystrophin and β -dystroglycan may be a potential mechanism for myocardial dysfunction in severe sepsis
M.R. Celes, D. Torres-Duenas, L.M. Malvestio, V. Bleflari, E.C. Campos, C.M. Prado, F.Q. Cunha, M.A. Rossi (Ribeirao Preto and Bucaramanga)
- PE.08 In vitro evaluation of the expression of dystrophin in cardiomyocytes stimulated with serum of mice experimentally-infected with *Trypanosoma cruzi*
L.M. Malvestio, C.M. Prado, E.C. Campos, M.R. Celes, V. Blefari, J.S. Silva, M.A. Rossi (Ribeirão Preto)
- PE.09 Acute treatment of copper toxicity in ex vivo perfused heart model and in vitro cardiomyocytes model with triethylenetetramine
C.C.H. Cheung, Y.S. Choong, S. Zhang, M. Blumenstein, G.J.S. Cooper (Auckland)
- PE.10 Comparison between cardiac hypertrophy induced by exercise training and long term intake of *Nigella sativa*
L.I. Al-Asoom, B.A. Al-Shaikh, M.N. El-Bahai (Dammam)
- PE.11 The effect of deferasirox on tissue Doppler echocardiographic indices in patients with beta-thalassemia major
S.E. Kassab, T. Garadah, N. Mahdi, A. Abu-Taleb, A. AlAwadi (Busaitin and Manama)

POSTER GROUP PF – KIDNEY AND METABOLIC

- PF.01 Knockout of α 2A-adrenergic receptor ameliorates progression of chronic kidney disease
H. Hoch, J. Stegbauer, S.A. Potthoff, E. Koenigshausen, L. Hein, L.C. Rump, O. Vonend (Duesseldorf and Freiburg)
- PF.02 Glomerular endothelial cells express the proinflammatory cytokine Interleukin-17 in acute kidney diseases
T. Loof, S. Krämer, A. Mika, H-H. Neumayer, H. Peters (Berlin)
- PF.03 Interleukin 17 - a new actor in acute and chronic kidney injury
T. Loof, S. Krämer, A. Mika, H-H. Neumayer, H. Peters (Berlin)
- PF.04 Induction of spontaneous albuminuria in SHR rats by transfer of a genetic locus from the Munich Wistar Frömter rat
A. Schulz, S. Schuetten, L. Schulte, R. Vetter, B. Bublath, R. Kreutz (Berlin)
- PF.05 Telmisartan improves metabolic profile in obese patients with arterial hypertension
M. Kubik, **M. Adamczak**, J. Chudek, A. Więcek (Katowice)
- PF.06 The influence of atorvastatin therapy on plasma concentrations of adiponectin, resistin and leptin in patients with metabolic syndrome
M. Szotowska, B. Czerwieńska, **M. Adamczak**, J. Chudek, A. Więcek (Katowice)
- PF.07 RAAS stimulation at young age causes sustained hypertension: a story of irreversible renal damage?
B. Heijnen, B. Janssen, C. Peutz-Kootstra, H. van Essen, J. Debets, P. Lijnen, H.A.J. Struijker-Boudier (Maastricht)
- PF.08 Relation of renal function, microalbuminuria and renal blood flow with atrial fibrillation in chronic heart failure
E.V. Reznik, G.E. Gendlin, G.I. Storozhakov (Moscow)
- PF.09 Circadian blood pressure profile in type 2 diabetic patients: influence of cardiac autonomic neuropathy and metabolic syndrome
E.Y. Lunina, I.S. Petrukhin (Tver)
- PF.10 Model establishment of lipoprotein accumulation observation in vivo in Zebrafish
J. Tan, **G.X. Wang**, X. Xie, C.J. Tang, J.H. Qiu, L.F. Luo (Chongqing)
- PF.11 Obesity impact on the angiotensin – induced vasorelaxation of rat renal artery
M.A. Maranduca, I.L. Dumitriu, A. Necula, C.A. Mihai, L.G. Vata, B. Gurzu, S.M. Slatineanu (Iasi)