

REUNIÃO DO NÚCLEO DE BIOLOGIA VASCULAR DA **SPACV**

Sociedade Portuguesa de Angiologia e Cirurgia Vascular

Aveiro
Hotel Montebelo
Vista Alegre /
13 Outubro
2018



/PROGRAMA

“CURRENT AND FUTURE INSIGHTS INTO THE MANAGEMENT OF PERIPHERAL ARTERIAL DISEASE”

SESSION 1

Biomarkers and atherosclerosis

MODERATORS:

Flávio Reis, MD, PhD, Portuguese Society of Atherosclerosis; Pharmacology and Experimental Therapeutic Laboratory IBILI, and Faculty of Medicine, Coimbra University
Nelson Oliveira, MD, FEBVS, Department of Angiology and Vascular Surgery, Divino Espírito Santo Hospital, Ponta Delgada, Coordinator of the Vascular Biology Nucleus of the Portuguese Society of Angiology and Vascular Surgery

SECRETARY:

Anita Quintas, MD, FEBVS, Department of Angiology and Vascular Surgery, Santa Marta Hospital, Centro Hospitalar Lisboa Central, Lisbon

09H30–09h50

/ The influence of inflammatory and adaptative immunity in cardiovascular diseases.

Patrícia Napoleão, PhD, Postdoctoral fellowship at Instituto Gulbenkian de Ciência

Variations in inflammatory markers in acute myocardial infarction: A longitudinal study. Rev Port Cardiol. 2007 Dec;26(12):1357–63.

Conference Paper: Cytokines and inflammatory cells in coronary artery disease. January 2011. DOI: 10.1111/j.1742-4658.2011.08137. Conference: 36 th FEBS Congress: “Biochemistry for Tomorrow’s Medicine”; Volume: FEBS Journal 278 (Supl 1): 290.

The Role of Inflammatory Biomarkers in the Assessment of Coronary Artery Disease. September 2011. DOI: 10.5772/18117 In book: Coronary Angiography – Advances in Noninvasive Imaging Approach for Evaluation of Coronary Artery Disease. Investigation project coordination: (2013/2015) Evaluation of inflammatory and adaptative immunity imbalance to improve prognosis of ischemic cardiovascular diseases.

10h00–10h20

/ The relationship of circulating biomarkers of apoptosis and endothelial function with peripheral vascular disease.

Teresa Pinheiro, PhD, Dept. Engineering and Nuclear Sciences, Institute for Bioengineering and Biosciences, University of Lisbon.

Systemic markers of the redox balance and apolipoprotein E polymorphism in atherosclerosis: the relevance for an integrated study, Biol Trace Elem Res. 2006 Jul;112(1):57–75.

The Role of Inflammatory Biomarkers in the Assessment of Coronary Artery Disease. September 2011. DOI: 10.5772/18117 In book: Coronary Angiography – Advances in Noninvasive Imaging Approach for Evaluation of Coronary Artery Disease.

Investigation Project Coordination: The relationship of circulating biomarkers of apoptosis and endothelial function with the plaque composition using VH IVUS, FCT. Grupo de Estudos Biomédicos, Instituto Tecnológico e Nuclear (ITN). FCT project PIC/IC/82734/2007.

10h30–10h50

/ MicroRNA profiles and stable atherosclerotic disease mapping.

Tiago Pereira-da-Silva MD, Department of Cardiology, Santa Marta Hospital, Centro Hospitalar Lisboa Central.

Circulating microRNA profiles in different arterial territories of stable atherosclerotic disease: a systematic review. Am J Cardiovasc Dis. 2018; 8(1): 1–13.

11h00–11h30

/ Coffee Break

SESSION 2

Novel Cardiovascular Risk Factors

MODERATORS:

Frederico Bastos Gonçalves, MD, PhD, FEBVS, Department of Angiology and Vascular Surgery – Santa Marta Hospital, Centro Hospitalar Lisboa Central, Lisbon, Nova University Lisbon; Secretary General of the Portuguese Society of Angiology and Vascular Surgery
José Pedro Carda, MD/MSc, Department of Hematology, Centro Hospitalar Universitário de Coimbra, Secretary General of the Portuguese Society of Hematology

SECRETARY:

Diogo Silveira, MD, FEBVS, Department of Angiology and Vascular Surgery, Centro Hospitalar de Vila Nova de Gaia.

11h30–11h50

/ Gla-rich Protein (GRP): A New Player In The Burden Of Vascular Calcification – clinical implications.

Dina Simes, PhD, Centre of Marine Sciences, University of Algarve, Faro.

Gla-rich Protein (GRP): A New Player in the Burden of Vascular Calcification J Cardiovasc Dis Diagn 2016, 4:4 <http://dx.doi.org/10.4172/2329-9517.1000245>. Investigation Project: Insights into Gla-Rich Protein (GRP) function and molecular mechanism of action in vascular calcification (BioGlaGRP- PTDC/SAU-ORG/117266/2010).

12h00-12h20

/ Cardiovascular Risk Factors in ESRD patients – a Closer Look to the Mineral Metabolism.

Pedro Leão Neves, MD, PhD, Director of the Department of Nefrology, Centro Hospitalar do Algarve, Faro

Cardiovascular Risk Factors: The Old Ones and a Closer Look to the Mineral Metabolism. February 2018 DOI: 10.5772/intechopen.69323 In book: *Chronic Kidney Disease – from Pathophysiology to Clinical Improvement*.

Investigation project: New insights into the mechanism of vascular calcification in chronic kidney disease (CKD): the role of Gla-Rich Protein (GRP) (ProGlaGRP-PTDC/BIM-MEC/1168/2012).

12h30-12h50

/ Genetic assessment – the future of risk stratification for cardiovascular disease?

Claudia Branco, PhD, Auxiliar Investigator, Molecular Genetics and Pathology Unit –Divino Espírito Santo Hospital, Ponta Delgada.

Genetic risk assessment for cardiovascular disease in Azoreans (Portugal): A general population-based study. September 2013. Gene 532(1)DOI: 10.1016/j.gene.2013.08.099. Investigation Project: *Cardiovascular Diseases in the Azores: epidemiology and genetic risk- CarGenAzo*”.

13h00-14h30

/ Lunch

SESSION 3 Bio-reactivity control after Arterial Intervention

MODERATORS:

Maria Carlota Saldanha Lopes, MD, PhD, Professor of the Faculty of Medicine (Jubilated), University of Lisbon; Associate Professor with Aggregation in Functional Sciences, for the University of Lisbon, Doctorate in Biochemistry (Cellular Physiology) by Nova University of Lisbon; Doctorate in Medical Education by University of Lisbon and President of the Portuguese Society of Hemorheology
Luís Mendes Pedro, MD, PhD, FEBVS, Department of Angiology and Vascular Surgery, Santa Maria Hospital, Centro Hospitalar Lisboa Central and Universidade de Lisboa.

SECRETARY:

Marina F. Dias Neto, MD/MSc Invited Assistant of Physiology and Researcher at the Cardiovascular R&D Centre (UnIC), Faculty of Medicine, University of Porto, Portugal | Hospitalar consultant of Angiology and Vascular Surgery at Centro Hospitalar São João, Porto, Portugal

14h30-14h50

/ Bio-reactivity after peripheral arterial intervention – biology and clinical importance in contemporary practice.

Sandrina Braga, MD, Department of Angiology and Vascular Surgery, Nossa Senhora da Oliveira Hospital, Guimaraes.

Recurrent carotid in-stent restenosis treated with a Paclitaxel-Eluting Balloon: case report and review of literature. Angiol Cir Vasc, Dec 2013, vol.9, no.4, p.163-167

15h00-15h20

/ Drug eluting stents versus bare metal stents implantation – longitudinal evaluation of inflammation and endothelial function

Patrícia Napoleão, PhD, Postdoctoral fellowship at Instituto Gulbenkian de Ciência.

Investigation project – Drug eluting stents. Variations in inflammatory markers in acute myocardial infarction: A longitudinal study. Rev Port Cardiol. 2007 Dec;26(12):1357-63.

Conference Paper: Cytokines and inflammatory cells in coronary artery disease. January 2011. DOI: 10.1111/j.1742-4658.2011.08137. Conference: 36 th FEBS Congress: “Biochemistry for Tomorrow’s Medicine”; Volume: FEBS Journal 278 (Supl 1): 290.

The Role of Inflammatory Biomarkers in the Assessment of Coronary Artery Disease. September 2011. DOI: 10.5772/18117 In book: *Coronary Angiography – Advances in Noninvasive Imaging Approach for Evaluation of Coronary Artery Disease.* Investigation project coordination: (2013/2015) *Evaluation of inflammatory and adaptive immunity imbalance to improve prognosis of ischemic cardiovascular diseases.*

15h30-15h50

/ Cilostazol – its effect on platelet aggregation and intimal hyperplasia.

Luís Miguel Salmerón-Febres, MD, PhD, Vascular Chief and Department Director of the UGC de A. y Cirugía Vascular, Complejo Hospitalario Universitario de Granada, Associate Professor of the Department of Surgery, Granada University

Genetic polymorphisms influence on the response to clopidogrel in peripheral artery disease patients following percutaneous transluminal angioplasty. Pharmacogenomics. 2016 Aug;17(12):1327-38. doi: 10.2217/pgs-2016-0056. Epub 2016 Jul 27.

Inter-observer agreement of the Wagner, University of Texas and PEDIS classification systems for the diabetic foot syndrome. *Foot Ankle Surg.* 2018 Feb;24(1):60-64. doi: 10.1016/j.fas.2016.10.009. Epub 2016 Dec 7.

16h00-16h30

/ Coffee Break

SESSION 4

Novel therapeutic approaches for PAOD patients

MODERATORS:

Armando Mansilha, MD, PhD, FEBVS, Department of Angiology and Vascular Surgery, Centro Hospitalar de São João, Porto; President of the Portuguese Society of Angiology and Vascular Surgery.

Pedro Marques da Silva, Arterial Investigations Nucleus, Department of Medicine, Santa Marta Hospital, Centro Hospitalar de Lisboa Central, Lisboa

SECRETARY:

Carolina Vaz, MD, FEBVS Department of Angiology and Vascular Surgery, Santo António Hospital, Centro Hospitalar do Porto.

16h30-16h50

/ Systemic inflammation – a novel therapeutic target in patients with Atherosclerosis.

Pedro Marques da Silva, Arterial Investigations Nucleus, Department of Medicine, Santa Marta Hospital, Centro Hospitalar de Lisboa Central, Lisboa

Effect of atorvastatin and bezafibrate on plasma levels of C-reactive protein in combined (mixed) hyperlipidemia. June 2002, Atherosclerosis 162(2):245-51; DOI: 10.1016/S0021-9150(01)00708-0. Can combining different risk interventions into a single formulation contribute to improved cardiovascular disease risk reduction? Rationale and design for an international, open-label program to assess the effectiveness of a single pill (amlodipine/atorvastatin) to attain recommended target levels for blood pressure and lipids (The JEWEL Program) July 2006 International Journal of Cardiology 110(2):242-50 DOI: 10.1016/j.ijcard.2005.10.017. Modulação da função endotelial: um objectivo a prosseguir na terapêutica cardiovascular. Rev Port Clin Geral 2000;16: 293-311

17h00-17h20

/ The use of low-dose ionizing radiation to induce therapeutic neovascularization in a pre-clinical model of hindlimb ischemia.

Augusto Ministro, MD, PhD, Department of Angiology and Vascular Surgery, Santa Maria Hospital, CHLN, Lisbon.

Low-dose ionizing radiation induces therapeutic neovascularization in a pre-clinical model of hindlimb ischemia. Cardiovasc Res. 2017 Jun 1;113(7):783-794. doi: 10.1093/cvr/cvx065.

17h30-17h50

/ Stem Cell Therapy for CLI patients with no Revascularisation Option

Tawqeer Rashid, MD, PhD FRCS, Surgery Consultant, Manchester Royal Infirmary

Tissue engineering of a hybrid bypass graft for coronary and lower limb bypass surgery. FASEB J. 2008 Jun;22(6):2084-9. doi: 10.1096/fj.07-096586. Epub 2008 Jan 18. Cellular engineering of conduits for coronary and lower limb bypass surgery: role of cell attachment peptides and pre-conditioning in optimising smooth muscle cells (SMC) adherence to compliant poly(carbonate-urea) urethane (MyoLink) scaffolds. Eur J Vasc Endovasc Surg. 2004 Jun;27(6):608-16. Engineering of bypass conduits to improve patency. Cell Prolif. 2004 Oct;37(5):351-66

18h00-18h20

/ Gene therapy for peripheral vascular patients.

Daniel Brandão, MD, FEBVS. Department of Angiology and Vascular Surgery, Centro Hospitalar de Vila Nova de Gaia/Espinho, and Universidade do Porto

Angiogénese e Arteriogénese na Doença Arterial Periférica. Angiol Cir Vasc, 2012, vol 8 n 2. Investigation project: Genetic polymorphisms in arteriogenic and angiogenic mechanisms associated with peripheral arterial disease.

18h30

/ Final Remarks and Closure

