

1. Di Mario U, Pugliese G. Diabetic complications: is there a way out of the labyrinth? *J Diab Compl.* 2:163-166, 1988.
2. Pugliese G, Tilton RG, Speedy A, Chang K, Santarelli E, Province MA, Eades DM, Sherman WR, Williamson JR. Effects of very mild versus overt diabetes on vascular hemodynamics and barrier function in rats. *Diabetologia.* 32:845-857, 1989.
3. Tilton RG, Chang K, Pugliese G, Eades DM, Province MA, Sherman WR, Kilo C, Williamson JR. Prevention of hemodynamic and vascular (albumin) filtration changes in diabetic rats by aldose reductase inhibitors. *Diabetes.* 38:1258-1270, 1989.
4. Tilton RG, Pugliese G, Chang K, Speedy A, Province MA, Kilo C, Williamson JR. Effects of hypothyroidism on vascular ¹²⁵I-albumin permeation and blood flow in rats. *Metabolism.* 38:471-478, 1989.
5. Merli M, Leonetti F, Riggio O, Giaccari A, Romiti A, Sbraccia P, Tamburrano G. Resistance to insulin suppression of plasma free fatty acids in liver cirrhosis. *J Endocrinol Invest.* 13(10):787-95, 1990.
6. Pugliese G, Tilton RG, Speedy A, Chang K, Province MA, Kilo C, Williamson JR. Vascular filtration function in galactose-fed versus diabetic rats: the role of polyol pathway activity. *Metabolism.* 39:690-697, 1990.
7. Pugliese G, Tilton RG, Chang K, Speedy A, Province MA, Eades DM, Lacy PE, Kilo C, Williamson JR. Effects of islet isografts on hemodynamic and vascular filtration changes in diabetic rats. *Diabetes.* 39:323-332, 1990.
8. Pugliese G, Tilton RG, Speedy A, Santarelli E, Eades DM, Province MA, Kilo C, Sherman WR, Williamson JR. Modulation of hemodynamic and vascular filtration changes in diabetic rats by dietary myo-inositol. *Diabetes.* 39:312-322, 1990.
9. Pugliese G, Tilton RG, Williamson JR. Glucose-induced metabolic imbalances in the pathogenesis of diabetic vascular disease. *Diabetes/Metab Rev.* 7:35-59, 1991.
10. Tilton RG, Pugliese G, LaRose LS, Faller AM, Chang K, Province MA, Williamson JR. Discordant effects of the aldose reductase inhibitor, sorbinil, on vascular structure and function in chronically diabetic and galactosemic rats. *J Diab Compl.* 5:230-237, 1991.
11. Vicari AM, Viganó D'Angelo S, Testa S, Comi G, Galardi G, Orsi E, D'Angelo A. Normal tissue plasminogen activator inhibitor activity in plasma from patient in type 1 diabetes mellitus. *Horm Metab Res.* 24:501-548, 1992.
12. Leonetti F, Iozzo P, Giaccari A, Sbraccia P, Buongiorno A, Tamburrano G, Andreani D. Absence of clinically overt atherosclerotic vascular disease and adverse changes in cardiovascular risk factors in 70 patients with insulinoma. *J Endocrinol Invest.* 16(11):875-80, 1993.

13. Pugliese G, Tilton RG, Speedy A, Province MA, Oates PJ, Williamson JR. Effects of combined insulin and sorbinil treatment on diabetes-induced vascular dysfunction in rats. *Metabolism*. 43:492-500, 1994.
14. Sensi M, Pricci F, Pugliese G, De Rossi MG, Petrucci AFG, Cristina A, Morano S, Pozzessere G, Valle E, Andreani D, Di Mario U. Role of advanced glycation endproducts (AGE) in late diabetic complications. *Diab Res Clin Pract*. 28:9-17, 1995.
15. Davì G, Belvedere M, Vigneri S, Catalano I, Giammaresi C, Roccaforte S, Consoli A, Mezzetti A: Influence of Metabolic Control on Thromboxane Biosynthesis and Plasma Plasminogen Activator Inhibitor Type-I in non-insulin-dependent-diabetes. *Thromb Haemost* 76:34-37, 1996.
16. Arcaro G., Zenere B.M., Saggiani F., Zenti M.G., Monauni T., Lechi A., Muggeo M., Bonadonna R.C. ACE inhibitors improve endothelial function in type 1 diabetic patients with normal arterial pressure and microalbuminuria. *Diabetes Care* 22: 1536-1542, 1999.
17. Davì G., Ciabattini G., Consoli A., Mezzetti A., Falco A., Santarone S., Pennese E., Vitacolonna E., Bucciarelli T., Costantini F., Capani F., Patrono C.: In vivo formation of 8-iso-prostaglandin F2 α and platelet activation in diabetes mellitus: effects of improved metabolic control and vitamin E supplementation. *Circulation*, 99:224-229, 1999.
18. Caimi G, Sinagra D, Canino B, Scarpitta AM, Montana M, Bonaventura V, Lo Presti R Polymorphonuclear leukocyte membrane fluidity before and after activation in subjects with insulin resistance.. *Acta Diabetol* 37(1):9-12, 2000.
19. Marfella R, Esposito K, Giunta R, Coppola G, De Angelis L, Farzati B, Paolisso G, Giugliano D. Circulating adhesion molecules in humans: role of hyperglycemia and hyperinsulinemia. *Circulation*. 101(19):2247-51, 2000.
20. Pandolfi A, Giaccari A, Cilli C, Alberta MM, Morviducci L, De Filippis EA, Buongiorno A, Pellegrini G, Capani F, Consoli A. Acute hyperglycemia and acute hyperinsulinemia decrease plasma fibrinolytic activity and increase plasminogen activator inhibitor type 1 in the rat. *Acta Diabetol*. 38(2):71-6, 2001.
21. Bruno G, Cavallo Perin P, Bargerò G, Borra M, D'Errico N, Macchia G, Pagano G. Hyperfibrinogenemia and metabolic syndrome in type 2 diabetes: a population-based study. *Diabetes Metab Res*.17:124-30, 2001.
22. Caimi G, Sinagra D, Scarpitta AM, Lo Presti R. Plasma viscosity and insulin resistance in metabolic syndrome. *Int J Obes Relat Metab Disord*. 25(12):1856-7, 2001.
23. Marfella R, Quagliariò L, Nappo F, Ceriello A, Giugliano D. Acute hyperglycemia induces an oxidative stress in healthy subjects. *J Clin Invest*. 108(4):635-6, 2001.

24. Sambataro M, Maioli M, Tonolo G, Stehouwer C, van Hinsbergh V, Piarulli F, Nosadini R, Pacini G. Insulin sensitivity correlates with glycogen synthesis rate, but not with von Willebrand factor in type 2 diabetes. *Eur J Intern Med.* 13(7):439, 2002.
25. Lo Presti R, Sinagra D, Montana M, Scarpitta AM, Catania A, Caimi G. Haemorheological profile in metabolic Syndrome. *Clin Hemorheol Microcirc.*26(4):241-7, 2002.
26. Lo Presti R, Sinagra D, Montana M, Scarpitta AM, Catania A, Caimi G. Polymorphonuclear leukocyte membrane fluidity, at baseline and after in vitro activation, in obesity with or without diabetes mellitus. *Acta Diabetol.* 39(1):29-33, 2002.
27. Ziccardi P, Nappo F, Giugliano G, Esposito K, Marfella R, Cioffi M, D'Andrea F, Molinari AM, Giugliano D. Reduction of inflammatory cytokine concentrations and improvement of endothelial functions in obese women after weight loss over one year. *Circulation.* 105(7):804-9, 2002.
28. Esposito K, Nappo F, Marfella R, Giugliano G, Giugliano F, Ciotola M, Quagliaro L, Ceriello A, Giugliano D. Inflammatory cytokine concentrations are acutely increased by hyperglycemia in humans: role of oxidative stress. *Circulation.* 106(16):2067-72, 2002.
29. Caimi G, LoPresti R, Sinagra D, Scarpitta AM Polymorphonuclear leukocyte membrane fluidity and insulin resistance in obese subjects.. *Obes Res.* 10(4):307 -8, 2002.
30. Esposito K, Nappo F, Giugliano F, Giugliano G, Marfella R, Giugliano D. Effect of dietary antioxidants on postprandial endothelial dysfunction induced by a high-fat meal in healthy subjects. *Am J Clin Nutr.* 77(1):139-43, 2003.
31. Pandolfi A, Grilli A, Cilli C, Patruno A, Giaccari A, Di Silvestre S, De Lutiis MA, Pellegrini G, Capani F, Consoli A, Felaco M. Phenotype modulation in cultures of vascular smooth muscle cells from diabetic rats: association with increased nitric oxide synthase expression and superoxide anion generation. *J Cell Physiol.* 196(2):378-85, 2003.
32. Esposito K, Marfella R, Giugliano D. Stress hyperglycemia, inflammation, and cardiovascular events. *Diabetes Care.* 26(5):1650-1, 2003.
33. Secchiero P, Gonelli A, Carnevale E, Milani D, Pandolfi A, Zella D, Zauli G. TRAIL promotes the survival and proliferation of primary human vascular endothelial cells by activating the Akt and ERK pathways. *Circulation.* 107(17):2250-6, 2003.
34. Zauli G, Pandolfi A, Gonelli A, Di Pietro R, Guarnieri S, Ciabattini G, Rana R, Vitale M, Secchiero P. Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) sequentially upregulates nitric oxide and prostanoid production in primary human endothelial cells. *Circ Res.* 92(7):732-40, 2003.
35. Piemonti L, Calori G, Mercalli A, Lattuada G, Monti P, Garancini MP, Costantino F, Ruotolo G, Luzi L and Perseghin G. Fasting plasma leptin, monocyte chemoattracting

- protein-1 (MCP-1/CCL2) and α -tumor necrosis factor receptor 2 (α -TNFR-2) concentrations in glucose tolerant and intolerant women. Impact on cardiovascular mortality. *Diabetes Care*; 26, 2883-2889, 2003.
36. Marfella R, Siniscalchi M, Esposito K, Sellitto A, De Fanis U, Romano C, Portoghese M, Siciliano S, Nappo F, Sasso FC, Mininni N, Cacciapuoti F, Lucivero G, Giunta R, Verza M, Giugliano D. Effects of stress hyperglycemia on acute myocardial infarction: role of inflammatory immune process in functional cardiac outcome. *Diabetes Care*. 26(11):3129-35, 2003.
 37. Ciccarone E., Di Castelnuovo A., Salcuni M., Siani A., Giacco A., Donati MB., Capani F., Iacoviello L., on the behalf of Gendible Invest (Consoli A.) : High-score Mediterranean dietary pattern is associated with a reduced risk of peripheral arterial disease in Italian patients with Type 2 diabetes. *J Thromb Haemost*. 1: 1744-1752, 2003.
 38. Ciccarone E., Di Castelnuovo A., Assanelli D., Archetti S., Ruggeri G., Salcuni N., Donati MB., Capani F., Iacoviello L. on behalf of the Gendible Investigators (Consoli A.): Homocysteine levels are associated with the severity of peripheral arterial disease in type 2 diabetes patients. *J Thromb Haemost*, 1: 2540-2547, 2003.
 39. Pandolfi A. C-reactive protein: a potential new molecular link between inflammation, thrombosis and vascular cell proliferation? *Cardiovasc Res*. 68(1):3-4, 2005.
 40. Bruno G, Merletti F, Biggeri A, Bargero G, Ferrero S, Pagano G, Cavallo-Perin P. Fibrinogen and albumin excretion rate are major independent predictors of 11-yr cardiovascular mortality in type 2 diabetes: the Casale Monferrato Study. *Diabetologia*. 48:427-34, 2005.
 41. Consoli A, Devangelio E: Thiazolidinediones and Inflammation. *Lupus* 14:1-4, 2005.
 42. Di Pietro R, Marigliò MA, Guarnieri S, Sancilio S, Giardinelli A, Di Silvestre S, Consoli A, Zauli G, Pandolfi A. Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) regulates endothelial nitric oxide synthase (eNOS) activity and its localization within the human vein endothelial cells (HUVEC) in culture. *J Cell Biochem*. 97(4):782-9, 2006.
 43. Santilli F, Davì G. Consoli A, Cipollone F, Mezzetti M, Falco A, Taraborrelli T, Devangelio E, Ciabattini G, Basili S, Patrono C: Thromboxane-dependent CD40 Ligand Release in Type 2 Diabetes Mellitus. *J Am Coll Cardiol*, 47:392–397, 2006.
 44. Andreozzi F, Laratta E, Cardellini M., Marini MA, Lauro R, Hribal ML, Perticone F, Sesti G. Plasma interleukin-6 levels are independently associated with insulin secretion in a cohort of Italian-Caucasian nondiabetic subjects. *Diabetes* 55: 2021-2024, 2006.
 45. Ronchi CL, Varca V, Beck-Peccoz P, Orsi E, Donadio F, Giavoli C, Ferrante E, Lania A, Spada A, Arosio M. Comparison between six-year therapy with long-acting somatostatin

- analogs and successful surgery in acromegaly: effects on cardiovascular risk factors. *J Clin Endocrinol Metab.* 91:121-128, 2006.
46. Andreozzi F, Laratta E, Procopio C, Hribal ML, Sciacqua A, Perticone M, Miele C, Perticone F, Sesti G. Interleukin-6 impairs the insulin signaling pathway promoting production of nitric oxide in human umbilical vein endothelial cells. *Mol Cell Biol* 27: 2372–2383, 2007.
 47. Tesauro M, Rizza S, Iantorno M, Campia U, Cardillo C, Lauro D, Leo R, Turriziani M, Cocciolillo GC, Fusco A, Panza JA, Scuteri A, Federici M, Lauro R, Quon MJ. Vascular, metabolic, and inflammatory abnormalities in normoglycemic offspring of patients with type 2 diabetes mellitus. *Metabolism.* 56(3):413-9, 2007.
 48. Cardellini M, Andreozzi F, Laratta E, Marini MA, Lauro R, Hribal ML, Perticone F, Sesti G. Plasma interleukin-6 levels are increased in subjects with impaired glucose tolerance but not in those with impaired fasting glucose in a cohort of Italian Caucasians. *Diabetes Metab Res Rev.* 23:141-145, 2007.
 49. Corallini F, Celeghini C, Rizzardi C, Pandolfi A, Di Silvestre S, Vaccarezza M, Zauli G. Insulin down-regulates TRAIL expression in vascular smooth muscle cells both in vivo and in vitro. *J Cell Physiol.* 212(1):89-95, 2007.
 50. Lapolla A, Piarulli F, Sartore G, Ceriello A, Ragazzi E, Reitano R, Baccarin L, Laverda B, Fedele D Advanced glycation end products and antioxidant status in type 2 diabetic patients with and without peripheral artery disease. *Diabetes Care.* 30(3):670-6, 2007.
 51. Devangelio E, Santilli F, Formoso G, Ferroni P, Bucciarelli L, Michetti N, Clissa C, Ciabattini G, Consoli A, Davì G. Soluble RAGE in type 2 diabetes: association with oxidative stress. *Free Radic Biol Med.* Aug 43(4):511-8, 2007.
 52. Pugliese G. Do advanced glycation end products contribute to the development of long-term diabetic complications? *Nutr Metab Cardiovasc Dis.* 18:457-460, 2008.
 53. Scuteri A, Tesauro M, Rizza S, Iantorno M, Federici M, Lauro D, Campia U, Turriziani M, Fusco A, Cocciolillo G, Lauro R. Endothelial function and arterial stiffness in normotensive normoglycemic first-degree relatives of diabetic patients are independent of the metabolic syndrome. *Nutr Metab Cardiovasc Dis.* 18(5):349-56, 2008.
 54. Perticone F, Maio R, Sciacqua A, Andreozzi F, Iemma G, Perticone M, Zoccali C, Sesti G. Endothelial Dysfunction and CRP are risk factors for diabetes in essential hypertension. *Diabetes* 57: 167 -171, 2008.
 55. Succurro E, Andreozzi F, Sciacqua A, Hribal ML, Perticone F, Sesti G. Reciprocal association of plasma insulin-like growth factor-1 and interleukin-6 levels with cardio-metabolic risk factors in nondiabetic subjects. *Diabetes Care* 31:1886–1888, 2008.

56. Blasi C. The autoimmune origin of atherosclerosis. *Atherosclerosis*;201:17-32, 2008
57. Procopio C, Andreozzi F, Laratta E, Cassese A, Beguinot F, Arturi F, Hribal ML, Perticone F, Sesti G. Leptin-stimulated endothelial nitric-oxide synthase via an AMPK/Akt signalling pathway is attenuated by interaction with C reactive protein. *Endocrinology* 150: 3584-3593, 2009.
58. Piemonti L, Calori G, Lattuada G, Mercalli A, Ragona F, Garancini MP, Ruotolo G, Luzi L, Perseghin G. Association between plasma monocyte chemoattractant protein-1 concentration and CVD mortality in middle-aged diabetic and non-diabetic individuals. *Diabetes Care* 32: 1105-1110, 2009.
59. Bruno G, Fornengo P, Novelli G, Panero F, Perotto M, Segre O, Zucco C, Deambrogio PC, Barger G, Cavallo Perin P. C-reactive protein and 5-years survival in type 2 diabetes: the Casale Monferrato Study. *Diabetes*58:926-33, 2009.
60. Di Francesco L, Totani L, Dovizio M, Piccoli A, Di Francesco A, Salvatore T, Pandolfi A, Evangelista V, Dercho RA, Seta F, Patrignani P. Induction of prostacyclin by steady laminar shear stress suppresses tumor necrosis factor-alpha biosynthesis via heme oxygenase-1 in human endothelial cells. *Circ Res.* 104(4):506-13, 2009.
61. Iacobini C, Menini S, Ricci C, Scipioni A, Sansoni V, Cordone S, Taurino M, Serino M, Marano G, Federici M, Pricci F, Pugliese G. Accelerated lipid-induced atherogenesis in galectin-3-deficient mice: role of lipoxidation via receptor-mediated mechanisms. *Arterioscler Thromb Vasc Biol.* 29:831-836, 2009.
62. Blasi C, Kim E, Knowlton AA: Effect of diabetes control on serum HSP60 and inflammation. *Atherosclerosis Supplement* 10: P736, 2009.
63. Relucenti M, Heyn R, Petruzzello L, Pugliese G, Taurino M, Familiari G. Detecting microcalcifications in atherosclerotic plaques by a simple trichromic staining method for epoxy embedded carotid endarterectomies. *Eur J Histochem.* 54:e33, 2010.
64. Rizza S, Cardellini M, Martelli E, Porzio O, Pecchioli C, Nicolucci A, Marx N, Lauro D, Ippoliti A, Romeo F, Lauro R, Federici M. Occult impaired glucose regulation in patients with atherosclerosis is associated to the number of affected vascular districts and inflammation. *Atherosclerosis.* 212(1):316-20, 2010.
65. Felice F, Lucchesi D, di Stefano R, Barsotti MC, Storti E, Penno G, Balbarini A, Del Prato S, Pucci L. Oxidative stress in response to high glucose levels in endothelial cells and in endothelial progenitor cells: evidence for differential glutathione peroxidase-1 expression. *Microvasc Res.* 80: 332-338, 2010.
66. Santilli F, Formoso G, Sbraccia P, Averna M, Miccoli R, Di Fulvio P, Ganci A, Pulizzi N, Lattanzio S, Ciabattini G, Consoli A, Lauro R, Patrono C, Davì G Postprandial

hyperglycemia is a determinant of platelet activation in early type 2 diabetes mellitus. *J Thromb Haemost.*8(4):828-37, 2010.

67. Succurro E, Arturi F, Caruso V, Rudi S, Sciacqua A, Andreozzi F, Hribal ML, Perticone F, Sesti G. Low insulin-like growth factor-1 levels are associated with anaemia in adult non-diabetic subjects. *Thromb Haemost* 105: 365-370, 2011.
68. Rizza S, Muniyappa R, Iantorno M, Kim JA, Chen H, Pullikotil P, Senese N, Tesauro M, Lauro D, Cardillo C, Quon MJ. Citrus polyphenol hesperidin stimulates production of nitric oxide in endothelial cells while improving endothelial function and reducing inflammatory markers in patients with metabolic syndrome. *J Clin Endocrinol Metab.* 96(5):E782-92, 2011.
69. Sartore G, Piarulli F, Ragazzi E, Burlina S, Chilelli NC, Sarais C, Marin R, Manzato E, Fedele D, Lapolla A. Subclinical diastolic dysfunction in type 2 diabetic patients with and without carotid atherosclerosis: Relationship with glyco-oxidation, lipid-oxidation and antioxidant status. *Int J Cardiol.*163(2):201-5, 2011.
70. Folli F, Corradi D, Fanti P, Davalli A, Paez A, Giaccari A, Perego C, Muscogiuri G. The role of oxidative stress in the pathogenesis of type 2 diabetes mellitus micro- and macrovascular complications: avenues for a mechanistic-based therapeutic approach. *Curr Diabetes Rev.* 7(5):313-24, 2011.
71. Casagrande V, Menghini R, Menini S, Marino A, Marchetti V, Cavallera M, Fabrizi M, Hribal ML, Pugliese G, Gentileschi P, Schillaci O, Porzio O, Lauro D, Sbraccia P, Lauro R, Federici M. Overexpression of Tissue Inhibitor of Metalloproteinase 3 in Macrophages Reduces Atherosclerosis in Low-Density Lipoprotein Receptor Knockout Mice. *Arterioscler Thromb Vasc Biol.* 32:74-81, 2012.
72. Cangemi R, Pignatelli P, Carnevale R, Nigro C, Proietti M, Angelico F, Lauro D, Basili S, Violi F. Platelet isoprostane overproduction in diabetic patients treated with aspirin. *Diabetes.* 61(6):1626-32, 2012.
73. Di Tomo P, Canali R, Ciavardelli D, Di Silvestre S, De Marco A, Giardinelli A, Pipino C, Di Pietro N, Virgili F, Pandolfi A. β -Carotene and lycopene affect endothelial response to TNF- α reducing nitro-oxidative stress and interaction with monocytes. *Mol Nutr Food Res.* 56(2):217-27, 2012.
74. Bonomini M, Giardinelli A, Morabito C, Di Silvestre S, Di Cesare M, Di Pietro N, Siroli V, Formoso G, Amoroso L, Marigliò MA, Pandolfi A. Calcimimetic R-568 and its enantiomer S-568 increase nitric oxide release in human endothelial cells. *PLoS One.*7(1):e30682, 2012.
75. Menini S, Iacobini C, Ricci C, Scipioni A, Blasetti Fantauzzi C, Giaccari A, Salomone E, Canevotti R, Lapolla A, Orioli M, Aldini G, Pugliese G. D-carnosine-octylester attenuates

- atherosclerosis and renal disease in ApoE null mice fed a Western diet through reduction of carbonyl stress and inflammation. *Br J Pharmacol.* 166:1344-1356, 2012.
76. Blasi C, Kim E, Knowlton AA. Improved metabolic control in diabetes, HSP60 and proinflammatory mediators. *Autoimmune Diseases* 346501, 2012.
 77. Menini S, Iacobini C, Ricci C, Blasetti Fantauzzi C, Salvi L, Pesce CM, Rilucenti M, Familiari G, Taurino M, Pugliese G. The galectin-3/RAGE dyad modulates vascular osteogenesis in atherosclerosis. *Cardiovasc Res.* 100:472-480, 2013.
 78. Laviola L, Orlando MR, Incalza MA, Caccioppoli C, Melchiorre M, Leonardini A, Cignarelli A, Tortosa F, Labarbuta R, Martemucci S, Pacelli C, Cocco T, Perrini S, Natalicchio A, Giorgino F. TNF α signals via p66(Shc) to induce E-Selectin, promote leukocyte transmigration and enhance permeability in human endothelial cells. *PLoS One.* 8:e81930, 2013.
 79. van Bussel BC, Soedamah-Muthu SS, Henry RM, Schalkwijk CG, Ferreira I, Chaturvedi N, Toeller M, Fuller JH, Stehouwer CD; EURODIAB Prospective Complications Study Group. Unhealthy dietary patterns associated with inflammation and endothelial dysfunction in type 1 diabetes: the EURODIAB study. *Nutr Metab Cardiovasc Dis.*, 23:758-764, 2013.
 80. Piarulli F, Lapolla A, Ragazzi E, Susana A, Sechi A, Nollino L, Cosma C, Fedele D, Sartore G. Role of endogenous secretory RAGE (esRAGE) in defending against plaque formation induced by oxidative stress in type 2 diabetic patients. *Atherosclerosis.* 226(1):252-7, 2013.
 81. Piarulli F, Sartore G, Lapolla A. Glyco-oxidation and cardiovascular complications in type 2 diabetes: a clinical update. *Acta Diabetol.* 50(2):101-10, 2013.
 82. Hribal ML, Procopio T, Petta S, Sciacqua A, Grimaudo S, Pipitone RM, Perticone F, Sesti G. Insulin-Like Growth Factor-1, inflammatory proteins, and fibrosis in subjects with nonalcoholic fatty liver disease. *J Clin Endocrinol Metab* 98: E304-E308, 2013.
 83. Bacci S, Pacilli A, De Cosmo S, Trischitta V. Role of relationship between HbA1c, fibrinogen and HDL-cholesterol on cardiovascular disease in patients with type 2 diabetes mellitus. *Atherosclerosis.* 213: 247-248, 2013.
 84. Sesti G, Fiorentino TV, Succurro E, Perticone M, Arturi F, Sciacqua A, Perticone F. Elevated 1-hour post-load plasma glucose levels in subjects with normal glucose tolerance are associated with unfavorable inflammatory profile. *Acta Diabetol* 51: 927-932, 2014.
 85. Stöhr R, Cavallera M, Menini S, Mavilio M, Casagrande V, Rossi C, Urbani A, Cardellini M, Pugliese G, Menghini R, Federici M. Loss of TIMP3 exacerbates atherosclerosis in ApoE null mice. *Atherosclerosis.* 235:438-443, 2014.
 86. Pugliese G, Iacobini C, Ricci C, Blasetti Fantauzzi C, Menini S. Galectin-3 in diabetic patients. *Clin Chem Lab Med.* 52:1413-1423, 2014.

87. Tosi F, Di Sarra D, Bonin C, Zambotti F, Dall'alda M, Fiers T, Kaufman JM, Donati M, Franchi M, Zanolini ME, Bonora E, Moghetti P. Plasma levels of pentraxin-3, an inflammatory protein involved in fertility, are reduced in women with polycystic ovary syndrome. *Eur J Endocrinol* 170: 401-409, 2014.
88. Hribal ML, Fiorentino TV, Sesti G. Role of C Reactive Protein (CRP) in Leptin Resistance. *Curr Pharm Des* 20: 609-615, 2014.
89. Lattanzio S, Santilli F, Liani R, Vazzana N, Ueland T, Di Fulvio P, Formoso G, Consoli A, Aukrust P, Davì G. Circulating dickkopf-1 in diabetes mellitus: association with platelet activation and effects of improved metabolic control and low-dose aspirin. *J Am Heart Assoc.* 3:e001000 2014.
90. Pugliese G, Iacobini C, Blasetti Fantauzzi C, Menini S. The dark and bright side of atherosclerotic calcification. *Atherosclerosis.* 238:220-230, 2015.
- 91.
92. Pugliese G, Iacobini C, Pesce CM, Menini S. Galectin-3: an emerging all-out player in metabolic disorders and their complications. *Glycobiology.* 25:136-150, 2015.
93. Di Pino A, Urbano F, Zagami RM, Filippello A, Di Mauro S, Piro S, Purrello F, Rabuazzo AM. Low Endogenous Secretory Receptor for Advanced Glycation End-Products Levels Are Associated With Inflammation and Carotid Atherosclerosis in Prediabetes. *J Clin Endocrinol Metab.* 101(4):1701-9, 2016
94. Trevisan R, Bonizzoni E, Bosi E, Ceriello A, Cucinotta D, Giorgino F, Tiengo A, Scavini M. Glycated haemoglobin does not accurately predict average capillary glucose in non insulin-treated type 2 diabetes: The PRISMA study experience. *Nutr Metab Cardiovasc Dis.* 26(2):169-70, 2016
95. Irace C, Tripolino C, Scavelli FB, Carallo C, Gnasso A. Brachial Low-Flow-Mediated Constriction is Associated with Delayed Brachial Flow-Mediated Dilation. *J Atheroscler Thromb.* 23(3):355-63, 2016
96. Tripolino C, Gnasso A, Carallo C, Scavelli FB, Irace C. Difference in carotid artery elasticity in subjects with different brachial artery kinetic of vasodilatation. *J Hum Hypertens.* 30(8):493-7, 2016
97. Tripolino C, Irace C, Carallo C, De Franceschi MS, Scavelli FB, Gnasso A. Red blood cell distribution width predicts two-hours plasma glucose levels during OGTT. *Clin Hemorheol Microcirc.* 62(1):63-9, 2016
98. Tripolino C, Irace C, Carallo C, De Franceschi MS, Scavelli F, Della Valle E, Gnasso A. Association between blood viscosity and common carotid artery elasticity. *Clin Hemorheol Microcirc.* 62(1):55-62, 2016

99. Di Pietro N, Formoso G, Pandolfi A. Physiology and pathophysiology of oxLDL uptake by vascular wall cells in atherosclerosis. *Vascul Pharmacol.* 84:1-7, 2016
100. Barbieri M, Marfella R, Esposito A, Rizzo MR, Angellotti E, Mauro C, Siniscalchi M, Chirico F, Caiazzo P, Furbatto F, Bellis A, D'Onofrio N, Vitiello M, Ferraraccio F, Paolisso G, Balestrieri ML. Incretin treatment and atherosclerotic plaque stability: Role of adiponectin/APPL1 signaling pathway. *J Diabetes Complications.* 31:295-303, 2017
101. Perrini S, Cignarelli A, Quaranta VN, Falcone VA, Kounaki S, Porro S, Ciavarella A, Ficarella R, Barbaro M, Genchi VA, Nigro P, Carratù P, Natalicchio A, Laviola L, Resta O, Giorgino F. Correction of intermittent hypoxia reduces inflammation in obese subjects with obstructive sleep apnea. *JCI Insight.* 2(17), 2017
102. Willeit K, Pechlaner R, Willeit P, Skrobilin P, Paulweber B, Schernthaner C, Toell T, Egger G, Weger S, Oberhollenzer M, Kedenko L, Iglseder B, Bonora E, Schett G, Mayr M, Willeit J, Kiechl S. Association Between Vascular Cell Adhesion Molecule 1 and Atrial Fibrillation. *JAMA Cardiol.* 2(5):516-523, 2017.
103. Di Pino A, Currenti W, Urbano F, Scicali R, Piro S, Purrello F, Rabuazzo AM. High intake of dietary advanced glycation end-products is associated with increased arterial stiffness and inflammation in subjects with type 2 diabetes. *Nutr Metab Cardiovasc Dis.* 27(11):978-984, 2017.
104. Codagnone M, Recchiuti A, Lanuti P, Pierdomenico AM, Cianci E, Patruno S, Mari VC, Simiele F, Di Tomo P, Pandolfi A, Romano M. Lipoxin A4 stimulates endothelial miR-126-5p expression and its transfer via microvesicles. *FASEB J.* 31(5):1856-1866, 2017.
105. Giusti L, Gabriele M, Penno G, Garofolo M, Longo V, Del Prato S, Lucchesi D, Pucci L. A Fermented Whole Grain Prevents Lipopolysaccharides-Induced Dysfunction in Human Endothelial Progenitor Cells. *Oxid Med Cell Longev.* 2017:1026268, 2017.
106. Di Tomo P, Lanuti P, Di Pietro N, Baldassarre MPA, Marchisio M, Pandolfi A, Consoli A, Formoso G. Liraglutide mitigates TNF- α induced pro-atherogenic changes and microvesicle release in HUVEC from diabetic women. *Diabetes Metab Res Rev.* 33(8), 2017.
107. Park K, Li Q, Evcimen ND, Rask-Madsen C, Maeda Y, Maddaloni E, Yokomizo H, Shinjo T, St-Louis R, Fu J, Gordin D, Khamaisi M, Pober D, Keenan H, King GL. Exogenous Insulin Infusion Can Decrease Atherosclerosis in Diabetic Rodents by Improving Lipids, Inflammation, and Endothelial Function. *Arterioscler Thromb Vasc Biol.* 38(1):92-101, 2018.
108. Sardu C, Marfella R, Santamaria M, Papini S, Parisi Q, Sacra C, Colaprete D, Paolisso G, Rizzo MR, Barbieri M. Stretch, Injury and Inflammation Markers Evaluation to

- Predict Clinical Outcomes After Implantable Cardioverter Defibrillator Therapy in Heart Failure Patients With Metabolic Syndrome. *Front Physiol.* 9:758, 2018.
- 109.** Zanolì L, Di Pino A, Terranova V, Di Marca S, Pisano M, Di Quattro R, Ferrara V, Scicali R, Rabuazzo AM, Fatuzzo P, Castellino P, Piro S, Purrello F, Malatino L. Inflammation and ventricular-vascular coupling in hypertensive patients with metabolic syndrome. *Nutr Metab Cardiovasc Dis.* 28(12):1222-1229, 2018.
- 110.** Avogaro A, Fadini GP. Microvascular complications in diabetes: A growing concern for cardiologists. *Int J Cardiol.* 291:29-35, 2019.
- 111.** Moss ME, Lu Q, Iyer SL, Engelbertsen D, Marzolla V, Caprio M, Lichtman AH, Jaffe IZ. Endothelial Mineralocorticoid Receptors Contribute to Vascular Inflammation in Atherosclerosis in a Sex-Specific Manner. *Arterioscler Thromb Vasc Biol.* 39(8):1588-1601, 2019.
- 112.** Sardù C, D'Onofrio N, Mauro C, Balestrieri ML, Marfella R. Thrombus Aspiration in Hyperglycemic Patients With High Inflammation Levels in Coronary Thrombus. *J. Am. Coll. Cardiol.* 73:530-531, 2019.
- 113.** Sardù C, D'Onofrio N, Torella M, Portoghese M, Loreni F, Mureddu S, Signoriello G, Scisciola L, Barbieri M, Rizzo MR, Galdiero M, De Feo M, Balestrieri ML, Paolisso G, Marfella R. Pericoronary fat inflammation and Major Adverse Cardiac Events (MACE) in prediabetic patients with acute myocardial infarction: effects of metformin. *Cardiovasc. Diabetol.* 18:126, 2019.
- 114.** Corina A, Abrudan MB, Nikolic D, Cătoi AF, Chianetta R, Castellino G, Citarrella R, Stoian AP, Pérez-Martínez P, Rizzo M. Effects of Aging and Diet on Cardioprotection and Cardiometabolic Risk Markers. *Curr Pharm Des.* 25:3704-3714, 2019.
- 115.** Menini S, Iacobini C, Fantauzzi CB, Pugliese G. L-carnosine and its Derivatives as New Therapeutic Agents for the Prevention and Treatment of Vascular Complications of Diabetes. *Curr. Med. Chem.* 2019, doi: 10.2174/0929867326666190711102718
- 116.** Perticone M, Zito R, Miceli S, Pinto A, Suraci E, Greco M, Gigliotti S, Hribal ML, Corrao S, Sesti G, Perticone F. Immunity, Inflammation and Heart Failure: Their Role on Cardiac Function and Iron Status. *Front. Immunol.* 10:2315, 2019.
- 117.** Mantovani A, Altomari A, Lunardi G, Bonapace S, Lippi G, Bonnet F, Targher G. Association between specific plasma ceramides and high-sensitivity C-reactive protein levels in postmenopausal women with type 2 diabetes. *Diabetes Metab.* 8:S1262-3636(19)30091-6, 2019.
- 118.** Mantovani A, Altomari A, Fassio A, Gatti D, Bonnet F, Targher G. Association between increased carotid intima-media thickness and higher serum C-terminal telopeptide

of type 1 collagen levels in post-menopausal women with type 2 diabetes. *Diabetes Metab.* 4:S1262-3636(19)30032-1, 2019.

119. Castelblanco E, Betriu À, Hernández M, Granado-Casas M, Ortega E, Soldevila B, Ramírez-Morros A, Franch-Nadal J, Puig-Domingo M, Fernández E, Avogaro A, Alonso N, Mauricio D. Ultrasound Tissue Characterization of Carotid Plaques Differs Between Patients with Type 1 Diabetes and Subjects without Diabetes. *J Clin Med*, 8(4):424, 2019.
120. Fadini GP, Albiero M, Bonora BM, Avogaro A. Angiogenic Abnormalities in Diabetes Mellitus: Mechanistic and Clinical Aspects. *J Clin Endocrinol Metab*, 104(11):5431-5444, 2019.
121. Nusca A, Tuccinardi D, Proscia C, Melfi R, Manfrini S, Nicolucci A, Ceriello A, Pozzilli P, Ussia GP, Grigioni F, Di Sciascio G. Incremental role of glycaemic variability over HbA1c in identifying type 2 diabetic patients with high platelet reactivity undergoing percutaneous coronary intervention. *Cardiovasc Diabetol*, 18:147, 2019.
122. Fiorentino TV, Marini MA, Succurro E, Andreozzi F, Sesti G. Relationships of surrogate indexes of insulin resistance with insulin sensitivity assessed by euglycemic hyperinsulinemic clamp and subclinical vascular damage. *BMJ Open Diabetes Res Care*, 7:e000911, 2019.
123. Palella E, Cimino R, Pullano SA, Fiorillo AS, Gulletta E, Brunetti A, Foti DP, Greco M. Laboratory Parameters of Hemostasis, Adhesion Molecules, and Inflammation in Type 2 Diabetes Mellitus: Correlation with Glycemic Control. *Int J Environ Res Public Health*. 17(1):300, 2020.
124. Sartore G, Ragazzi E, Burlina S, Paleari R, Chilelli NC, Mosca A, Avemaria F, Lapolla A. Role of fructosamine-3-kinase in protecting against the onset of microvascular and macrovascular complications in patients with T2DM. *BMJ Open Diabetes Res Care*. 8(1):e001256, 2020.
125. D'Oria R, Schipani R, Leonardini A, Natalicchio A, Perrini S, Cignarelli A, Laviola L, Giorgino F. The Role of Oxidative Stress in Cardiac Disease: From Physiological Response to Injury Factor. *Oxid Med Cell Longev*. 2020:5732956, 2020.
126. Santilli F, Zaccardi F, Liani R, Petrucci G, Simeone P, Pitocco D, Tripaldi R, Rizzi A, Formoso G, Pontecorvi A, Angelucci E, Pagliaccia F, Golato M, De Leva F, Vitacolonna E, Rocca B, Consoli A, Patrono C. In vivo thromboxane-dependent platelet activation is persistently enhanced in subjects with impaired glucose tolerance. *Diabetes Metab Res Rev*. 36(2):e3232, 2020.
127. Fadini GP, Spinetti G, Santopaolo M, Madeddu P. Impaired Regeneration Contributes to Poor Outcomes in Diabetic Peripheral Artery Disease. *Arterioscler Thromb*

Vasc Biol. 40(1):34-44, 2020.

128. Menini S, Iacobini C, Vitale M, Pugliese G. The Inflammasome in Chronic Complications of Diabetes and Related Metabolic Disorders. *Cells*. 9(8):1812, 2020.
129. Montesano A, Senesi P, Vacante F, Mollica G, Benedini S, Mariotti M, Luzi L, Terruzzi I. L-Carnitine counteracts in vitro fructose-induced hepatic steatosis through targeting oxidative stress markers. *J Endocrinol Invest*. 43(4):493-503, 2020.
130. Suceveanu AI, Mazilu L, Katsiki N, Parepa I, Voinea F, Pantea-Stoian A, Rizzo M, Botea F, Herlea V, Serban D, Suceveanu AP. NLRP3 Inflammasome Biomarker-Could Be the New Tool for Improved Cardiometabolic Syndrome Outcome. *Metabolites* 10(11):448, 2020.
131. Mantovani A, Altomari A, Lunardi G, Bonapace S, Lippi G, Bonnet F, Targher G. Association between specific plasma ceramides and high-sensitivity C-reactive protein levels in postmenopausal women with type 2 diabetes. *Diabetes Metab*. 46(4):326-330, 2020.