

SphygmoCor publications in 2005 – A selection.

1. Aggoun Y, Szezepanski I, Bonnet D. **Noninvasive assessment of arterial stiffness and risk of atherosclerotic events in children.** *Pediatr Res* 2005; 58:173-178. [R566] [Link to Full Text](#)
2. Bruce D, Rymer J, Robinson J, Millasseau S, Chowienczyk P. **The long-term effects of tibolone on aortic stiffness and endothelial function.** *Climacteric* 2005; 8:221-229. [R596] [Link to Abstract](#)
3. Chesterton LJ, Sigrist MK, Bennett T, Taal MW, McIntyre CW. **Reduced baroreflex sensitivity is associated with increased vascular calcification and arterial stiffness.** *Nephrol Dial Transplant* 2005; 20:1140-1147. [R537] [Link to Abstract](#)
4. Cockcroft JR. **Exploring vascular benefits of endothelium-derived nitric oxide.** *Am J Hypertens* 2005; 18:177S-183S. [R592] [Link to Abstract](#)
5. Covic A, Mardare N, Gusbeth-Tatomir P, Buhaescu I, Goldsmith DJ. **Acute effect of CyA A (Neoral) on large artery hemodynamics in renal transplant patients.** *Kidney Int* 2005; 67:732-737. [R522] [Link to Abstract](#)
6. Covic A, Gusbeth-Tatomir P, Goldsmith DJ. **Arterial stiffness in renal patients: an update.** *Am J Kidney Dis* 2005; 45:965-977. [R563] [Link to Abstract](#)
7. Dagne AG, Lekakis JP, Papaioannou TG, Papamichael CM, Koutras DA, Stamatelopoulos SF et al. **Arterial stiffness is increased in subjects with hypothyroidism.** *Int J Cardiol* 2005; 103:1-6. [R543] [Link to Abstract](#)
8. Dawson A, Davies JI, Morris AD, Struthers AD. **B-type natriuretic Peptide is associated with both augmentation index and left ventricular mass in diabetic patients without heart failure.** *Am J Hypertens* 2005; 18:1586-1591. [R594] [Link to Abstract](#)
9. Edwards DG, Gauthier AL, Hayman MA, Lang JT, Kenefick RW. **Acute Effects of Cold Exposure on Central Aortic Wave Reflection.** *J Appl Physiol* 2005; epub ahead of print. [R558] [Link to Abstract](#)
10. Edwards DG, Lang JT. **Augmentation index and systolic load are lower in competitive endurance athletes.** *Am J Hypertens* 2005; 18:679-683. [R524] [Link to Abstract](#)
11. Elvan-Taspinar A, Franx A, Bots ML, Koomans HA, Bruinse HW. **Arterial stiffness and fetal growth in normotensive pregnancy.** *Am J Hypertens* 2005; 18:337-341. [R535] [Link to Abstract](#)
12. Elvan-Taspnar A, Bots ML, Franx A, Bruinse HW, Engelbert RH. **Stiffness of the arterial wall, joints and skin in women with a history of pre-eclampsia.** *J Hypertens* 2005; 23:147-151. [R533] [Link to Abstract](#)
13. Greenfield JR, Samaras K, Hayward CS, Chisholm DJ, Campbell LV. **Beneficial postprandial effect of a small amount of alcohol on diabetes and cardiovascular risk factors: modification by insulin resistance.** *J Clin Endocrinol Metab* 2005; 90:661-672. [R501] [Link to Full Text](#)

14. Holmes AS, Chirkov YY, Willoughby SR, Poropat S, Pereira J, Horowitz JD. **Preservation of platelet responsiveness to nitroglycerine despite development of vascular nitrate tolerance.** Br J Clin Pharmacol 2005; 60:355-363. [R546] [Link to Full Text](#)
15. Kampus P, Muda P, Kals J, Ristimae T, Fischer K, Teesalu R et al. **The relationship between inflammation and arterial stiffness in patients with essential hypertension.** Int J Cardiol 2005; doi:10.1016/j.ijcard.2005.08.026. [R583] [Link to Abstract](#)
16. Karatzi KN, Papamichael CM, Karatzis EN, Papaioannou TG, Aznaouridis KA, Katsichti PP et al. **Red wine acutely induces favorable effects on wave reflections and central pressures in coronary artery disease patients.** Am J Hypertens 2005; 18:1161-1167. [R549] [Link to Abstract](#)
17. Karatzis E, Papaioannou TG, Aznaouridis K, Karatzi K, Stamatelopoulos K, Zampelas A et al. **Acute effects of caffeine on blood pressure and wave reflections in healthy subjects: should we consider monitoring central blood pressure?** Int J Cardiol 2005; 98:425-430. [R519] [Link to Abstract](#)
18. Kelly EA, Ahmed RM, Horowitz JD. **Withdrawal of intravenous glyceryl trinitrate: absence of rebound phenomena with transition to oral isosorbide dinitrate.** Clin Exp Pharmacol Physiol 2005; 32:269-272. [R526] [Link to Abstract](#)
19. Mahmud A, Feely J. **Arterial stiffness is related to systemic inflammation in essential hypertension.** Hypertension 2005; 46:1118-1122. [R564] [Link to Abstract](#)
20. Mahmud A, Feely J. **Adiponectin and arterial stiffness.** Am J Hypertens 2005; 18:1543-1548. [R593] [Link to Abstract](#)
21. Mahmud A, Feely J. **Aldosterone-to-renin ratio, arterial stiffness, and the response to aldosterone antagonism in essential hypertension.** Am J Hypertens 2005; 18:50-55. [R612] [Link to Abstract](#)
22. Maple-Brown LJ, Piers LS, O'Rourke MF, Celermajer DS, O'Dea K. **Central obesity is associated with reduced peripheral wave reflection in Indigenous Australians irrespective of diabetes status.** J Hypertens 2005; 23:1403-1407. [R536] [Link to Abstract](#)
23. Mardare NG, Goldsmith DJ, Gusbeth-Tatomir P, Covic A. **Intradialytic changes in reflective properties of the arterial system during a single hemodialysis session.** Hemodial Int 2005; 9:376-382. [R550] [Link to Abstract](#)
24. McEniery CM, Yasmin, Hall IR, Qasem A, Wilkinson IB, Cockcroft JR. **Normal vascular aging: differential effects on wave reflection and aortic pulse wave velocity: the Anglo-Cardiff Collaborative Trial (ACCT).** J Am Coll Cardiol 2005; 46:1753-1760. [R556] [Link to Abstract](#)
25. McEniery CM, Yasmin, Wallace S, Maki-Petaja K, McDonnell B, Sharman JE et al. **Increased stroke volume and aortic stiffness contribute to isolated systolic hypertension in young adults.** Hypertension 2005; 46:221-226. [R584] [Link to Full Text](#)
26. Nichols WW. **Clinical measurement of arterial stiffness obtained from noninvasive pressure waveforms.** Am J Hypertens 2005; 18:3S-10S. [R504] [Link to Abstract](#)

27. O'Rourke MF. **Beyond blood pressure: subtle effects of drug classes.** Arterioscler Thromb Vasc Biol 2005; 25:2238-2239. [R560] [Link to Abstract](#)
28. O'Rourke MF, Adji A. **An updated clinical primer on large artery mechanics: implications of pulse waveform analysis and arterial tonometry.** Curr Opin Cardiol 2005; 20:275-281. [R554] [Link to Abstract](#)
29. Ostberg JE, Donald AE, Halcox JP, Storry C, McCarthy C, Conway GS. **Vasculopathy in Turner syndrome: arterial dilatation and intimal thickening without endothelial dysfunction.** J Clin Endocrinol Metab 2005; 90:5161-5166. [R534] [Link to Abstract](#)
31. Park SH, Shim KW. **Reduction in visceral adiposity is highly related to improvement in vascular endothelial dysfunction among obese women: an assessment of endothelial function by radial artery pulse wave analysis.** Yonsei Med J 2005; 46:511-518. [R553] [Link to Abstract](#)
32. Phillips C, Hedner J, Berend N, Grunstein R. **Diurnal and obstructive sleep apnea influences on arterial stiffness and central blood pressure in men.** Sleep 2005; 28:604-609. [R551] [Link to Abstract](#)
33. Ronnback M, Lampinen K, Groop PH, Kaaja R. **Pulse wave reflection in currently and previously preeclamptic women.** Hypertens Pregnancy 2005; 24:171-180. [R561] [Link to Abstract](#)
34. Rubin MR, Maurer MS, McMahon DJ, Bilezikian JP, Silverberg SJ. **Arterial stiffness in mild primary hyperparathyroidism.** J Clin Endocrinol Metab 2005; 90:3326-3330. [R509] [Link to Full Text](#)
35. Sandqvist M, Nyberg G, Hammarstedt A, Klintland N, Gogg S, Caidahl K et al. **Low adipocyte IRS-1 protein expression is associated with an increased arterial stiffness in non-diabetic males.** Atherosclerosis 2005; 180:119-125. [R523] [Link to Abstract](#)
36. Schillaci G, Pirro M, Vaudo G, Mannarino MR, Savarese G, Pucci G et al. **Metabolic syndrome is associated with aortic stiffness in untreated essential hypertension.** Hypertension 2005; 45:1078-1082. [R530] [Link to Full Text](#)
37. Schillaci G, De Socio GV, Pirro M, Savarese G, Mannarino MR, Baldelli F et al. **Impact of treatment with protease inhibitors on aortic stiffness in adult patients with human immunodeficiency virus infection.** Arterioscler Thromb Vasc Biol 2005; 25:2381-2385. [R559] [Link to Abstract](#)
38. Sharman JE, McEniery CM, Campbell RI, Coombes JS, Wilkinson IB, Cockcroft JR. **The effect of exercise on large artery haemodynamics in healthy young men.** Eur J Clin Invest 2005; 35:738-744. [R581] [Link to Abstract](#)
39. Smith A, Karalliedde J, De AL, Goldsmith D, Viberti G. **Aortic pulse wave velocity and albuminuria in patients with type 2 diabetes.** J Am Soc Nephrol 2005; 16:1069-1075. [R570] [Link to Full Text](#)
40. Spasojevic M, Smith SA, Morris JM, Gallery ED. **Peripheral arterial pulse wave analysis in women with pre-eclampsia and gestational hypertension.** BJOG 2005; 112:1475-1478. [R567] [Link to Abstract](#)

41. Suh HS, Park YW, Kang JH, Lee SH, Lee HS, Shim KW. **Vascular endothelial dysfunction tested by blunted response to endothelium-dependent vasodilation by salbutamol and its related factors in uncomplicated pre-menopausal obese women.** Int J Obes (Lond) 2005; 29:217-222. [R531] [Link to Abstract](#)
42. Tabara Y, Tachibana-limori R, Yamamoto M, Abe M, Kondo I, Miki T et al. **Hypotension associated with prone body position: a possible overlooked postural hypotension.** Hypertens Res 2005; 28:741-746. [R616] [Link to Abstract](#)
43. ter Avest AE, Holewijn S, Stalenhoef AF, de GJ. **Variation in non-invasive measurements of vascular function in healthy volunteers during daytime.** Clin Sci (Lond) 2005; 108:425-431. [R514] [Link to Abstract](#)
44. Van Trijp MJ, Bos WJ, van der Schouw YT, Muller M, Grobbee DE, Bots ML. **Alcohol and arterial wave reflections in middle aged and elderly men.** Eur J Clin Invest 2005; 35:615-621. [R542] [Link to Abstract](#)
45. Van Doornum DS, McColl G, Wicks IP. **Tumour necrosis factor antagonists improve disease activity but not arterial stiffness in rheumatoid arthritis.** Rheumatology (Oxford) 2005; 44:1428-1432. [R548] [Link to Abstract](#)
46. Vlachopoulos C, Aznaouridis K, Alexopoulos N, Economou E, Andreadou I, Stefanadis C. **Effect of dark chocolate on arterial function in healthy individuals.** Am J Hypertens 2005; 18:785-791. [R529] [Link to Abstract](#)
47. Vlachopoulos C, Panagiotakos D, Ioakeimidis N, Dima I, Stefanadis C. **Chronic coffee consumption has a detrimental effect on aortic stiffness and wave reflections.** Am J Clin Nutr 2005; 81:1307-1312. [R532] [Link to Full Text](#)
48. Vlachopoulos C, Dima I, Aznaouridis K, Vasiliadou C, Ioakeimidis N, Aggeli C et al. **Acute systemic inflammation increases arterial stiffness and decreases wave reflections in healthy individuals.** Circulation 2005; 112:2193-2200. [R541] [Link to Abstract](#)
49. Weber T, Auer J, O'Rourke MF, Kvas E, Lassnig E, Lamm G et al. **Increased arterial wave reflections predict severe cardiovascular events in patients undergoing percutaneous coronary interventions.** Eur Heart J 2005; 26:2657-2663. [R585] [Link to Abstract](#)
50. Westerbacka J, Leinonen E, Salonen JT, Salonen R, Hiukka A, Yki-Jarvinen H et al. **Increased augmentation of central blood pressure is associated with increases in carotid intima-media thickness in type 2 diabetic patients.** Diabetologia 2005; 48:1654-1662. [R552] [Link to Abstract](#)
51. Woodman RJ, Kingwell BA, Beilin LJ, Hamilton SE, Dart AM, Watts GF. **Assessment of central and peripheral arterial stiffness: studies indicating the need to use a combination of techniques.** Am J Hypertens 2005; 18:249-260. [R505] [Link to Abstract](#)
52. Wykretowicz A, Guzik P, Kasinowski R, Krauze T, Bartkowiak G, Dziarmaga M et al. **Augmentation index, pulse pressure amplification and superoxide anion production in patients with coronary artery disease.** Int J Cardiol 2005; 99:289-294. [R618] [Link to Abstract](#)

53. Yasmin, McEniery CM, Wallace S, Dakham Z, Pulsalkar P, Maki-Petaja K et al. **Matrix metalloproteinase-9 (MMP-9), MMP-2, and serum elastase activity are associated with systolic hypertension and arterial stiffness.** Arterioscler Thromb Vasc Biol 2005; 25:372. [R521] [Link to Full Text](#)