

## SphygmoCor publications in 2006 – A selection.

1. Abhayaratna WP, Barnes ME, O'Rourke, MF, *et al.* **Relation of arterial stiffness to left ventricular diastolic function and cardiovascular risk prediction in patients > or =65 years of age.** Am J Cardiol 2006;98:1387-1392. [R582] [Link to Abstract](#)
2. Adji A, Hirata K, O'Rourke MF. **Clinical use of indices determined non-invasively from the radial and carotid pressure waveforms.** Blood Press Monit. 2006;11:215-221. [R654] [Link to Abstract](#)
3. Ahuja KD, Robertson IK, Geraghty DP, Ball MJ. **The effect of 4-week chilli supplementation on metabolic and arterial function in humans.** Eur J Clin Nutr 2006;doi:10.1038/sj.ejcn.1602517. [R689] [Link to Abstract](#)
4. Baulmann J, Homsy R, Uen S, *et al.* **Pulse wave velocity is increased in patients with transient myocardial ischemia.** J Hypertens. 2006;24:2085-2090. [R675] [Link to Abstract](#)
5. Binder J, Bailey KR, Seward JB, *et al.* **Aortic augmentation index is inversely associated with cardiorespiratory fitness in men without known coronary heart disease.** Am J Hypertens 2006;19:1019-1024. [R690] [Link to Abstract](#)
6. Bjarnegrad N, Bengtsson C, Brodzski J, *et al.* **Increased aortic pulse wave velocity in middle aged women with systemic lupus erythematosus.** Lupus 2006;15:644-650. [R699] [Link to Abstract](#)
7. Brewer LC, Chai HS, Bailey KR, Kullo IJ. **Measures of arterial stiffness and wave reflection are associated with walking distance in patients with peripheral arterial disease.** Atherosclerosis 2006;doi:10.1016/j.atherosclerosis.2006.03.038. [R610] [Link to Abstract](#)
8. Covic A, Mardare N, Gusbeth-Tatomir P, *et al.* **Arterial wave reflections and mortality in haemodialysis patients--only relevant in elderly, cardiovascularly compromised?** Nephrol Dial Transplant 2006;doi:10.1093/ndt/gf1307. [R620] [Link to Abstract](#)
9. Covic A, Mardare N, Gusbeth-Tatomir P, *et al.* **Increased arterial stiffness in children on haemodialysis.** Nephrol Dial Transplant 2006; 21:729-735. [R562] [Link to Abstract](#)
10. Dhakam Z, McEniery CM, Yasmin, *et al.* **Atenolol and eprosartan: differential effects on central blood pressure and aortic pulse wave velocity.** Am J Hypertens 2006; 19:214-219. [R599] [Link to Abstract](#)
11. Delachaux A, Waeber B, Liaudet L, Hohlfeld P, Feihl F. **Profound impact of uncomplicated pregnancy on diastolic, but not systolic pulse contour of aortic pressure.** J Hypertens 2006;24:1641-1648. [R656] [Link to Abstract](#)
12. Donald AE, Charakida M, Cole TJ, *et al.* **Non-invasive assessment of endothelial function: which technique?** J Am Coll Cardiol 2006;48:1846-1850. [R645] [Link to Abstract](#)

13. Eldrup N, Sillesen H, Prescott E, Nordestgaard BG. **Ankle brachial index, C-reactive protein, and central augmentation index to identify individuals with severe atherosclerosis.** Eur Heart J 2006;27:316-322. [R579] [Link to Abstract](#)
14. Fantin F, Mattocks A, Bulpitt CJ, Banya W, Rajkumar C. **Is augmentation index a good measure of vascular stiffness in the elderly?** Age Ageing 2006;doi:10.1093/ageing/af115. [R678] [Link to Abstract](#)
15. Greenfield JR, Samaras K, Chisholm DJ, Campbell LV. **Effect of postprandial insulinemia and insulin resistance on measurement of arterial stiffness (augmentation index).** Int J Cardiol 2006.doi:10.1016/j.jcard.2005.12.007. [R606] [Link to Abstract](#)
16. Hermans MM, Brandenburg V, Ketteler M, *et al.* **Study on the relationship of serum fetuin-A concentration with aortic stiffness in patients on dialysis.** Nephrol Dial Transplant 2006;21:1293-1299. [R595] [Link to Abstract](#)
17. Hirata K, Kawakami M, O'Rourke MF. **Pulse wave analysis and pulse wave velocity: a review of blood pressure interpretation 100 years after Korotkov.** Circ J 2006;70:1231-1239. [R650] [Link to Abstract](#)
18. Hulsen HT, Nijdam ME, Bos WJ, *et al.* **Spurious systolic hypertension in young adults; prevalence of high brachial systolic blood pressure and low central pressure and its determinants.** J Hypertens 2006;24:1027-1032. [R571] [Link to Abstract](#)
19. Ikonomidis I, Aznaouridis K, Protogerou A. **Arterial wave reflections are associated with left ventricular diastolic dysfunction in Adamantiades-Behcet's disease.** J Card Fail 2006;12:458-463. [R676] [Link to Abstract](#)
20. Jani B, Rajkumar C. **Ageing and vascular ageing.** Postgrad Med J 2006;82:357-362. [R613] [Link to Abstract](#)
21. Kaiser T, Heise T, Nosek L, Eckers U, Sawicki PT. **Influence of nebivolol and enalapril on metabolic parameters and arterial stiffness in hypertensive type 2 diabetic patients.** J Hypertens 2006;24:1397-1403. [R604] [Link to Abstract](#)
22. Kals J, Kampus P, Kals M, *et al.* **Effects of stimulation of nitric oxide synthesis on large artery stiffness in patients with peripheral arterial disease.** Atherosclerosis 2006;185:368-374. [R544] [Link to Abstract](#)
23. Kielstein JT, Donnerstag F, Gasper S, *et al.* **ADMA increases arterial stiffness and decreases cerebral blood flow in humans.** Stroke 2006;37:2024-2029. [R673] [Link to Abstract](#)
24. Kucerova J, Filipovsky J, Staessen JA, *et al.* **Arterial characteristics in normotensive offspring of parents with or without a history of hypertension.** Am J Hypertens 2006;19:264-269. [R614] [Link to Abstract](#)

25. Kullo IJ, Bielak LF, Turner ST, Sheedy PF, Peyser PA. **Aortic pulse wave velocity is associated with the presence and quantity of coronary artery calcium: a community-based study.** Hypertension 2006;47:174-179. [R580] [Link to Abstract](#)
26. Lane HA, Grace F, Smith JC, *et al.* **Impaired vasoreactivity in bodybuilders using androgenic anabolic steroids.** Eur J Clin Invest 2006;36:483-488. [R603] [Link to Abstract](#)
27. Lee CY, Isaac HB, Wang H, *et al.* **Cautions in the use of biomarkers of oxidative damage; the vascular and antioxidant effects of dark soy sauce in humans.** Biochem Biophys Res Commun 2006;344:906-911. [R684] [Link to Abstract](#)
28. Lemogoum D, Van BL, Leeman M, Degaute JP, van de BP. **Ethnic differences in arterial stiffness and wave reflections after cigarette smoking.** J Hypertens 2006;24:683-689. [R588] [Link to Abstract](#)
29. Li Y, Wang JG, Dolan E, *et al.* **Ambulatory arterial stiffness index derived from 24-hour ambulatory blood pressure monitoring.** Hypertension 2006;47:359-364. [R611] [Link to Abstract](#)
30. Lind L. **Systolic and diastolic hypertension impair endothelial vasodilatory function in different types of vessels in the elderly: the Prospective Investigation of the Vasculature in Uppsala Seniors (PIVUS) study.** J Hypertens 2006;24:1319-1327. [R600] [Link to Abstract](#)
31. Lind L, Fors N, Hall J, Marttala K, Stenborg A. **A comparison of three different methods to determine arterial compliance in the elderly: the Prospective Investigation of the Vasculature in Uppsala Seniors (PIVUS) study.** J Hypertens 2006;24:1075-1082. [R608] [Link to Abstract](#)
32. Maki-Petaja KM, Hall FC, Booth AD, *et al.* **Rheumatoid arthritis is associated with increased aortic pulse-wave velocity, which is reduced by anti-tumor necrosis factor-alpha therapy.** Circulation 2006;114:1185-1192. [R621] [Link to Abstract](#)
33. Mayer O, Filipovsky J, Dolejsova M, *et al.* **Mild hyperhomocysteinaemia is associated with increased aortic stiffness in general population.** J Hum Hypertens 2006;20:267-271. [R680] [Link to Abstract](#)
34. McEniery CM, Wallace S, Mackenzie IS, *et al.* **Endothelial function is associated with pulse pressure, pulse wave velocity, and augmentation index in healthy humans.** Hypertension 2006;48:602-608. [R652] [Link to Abstract](#)
35. Meune C, Mahe I, Solal AC, *et al.* **Comparative effect of aspirin and clopidogrel on arterial function in CHF.** Int J Cardiol 2006;106:61-66. [R597] [Link to Abstract](#)
36. Morgan AJ, Hosking SL. **Non-invasive vascular impedance measures demonstrate ocular vasoconstriction during isometric exercise.** Br J Ophthalmol 2006;doi:10.1136/bjo.2006.098574. [R658] [Link to Abstract](#)

37. Naissides M, Pal S, Mamo JC, James AP, Dhaliwal S. **The effect of chronic consumption of red wine polyphenols on vascular function in postmenopausal women.** Eur J Clin Nutr 2006;60:740-745. [R609] [Link to Abstract](#)
38. Nichols WW, Estrada JC, Braith RW, Owens K, Conti CR. **Enhanced external counterpulsation treatment improves arterial wall properties and wave reflection characteristics in patients with refractory angina.** J Am Coll Cardiol 2006;48:1208-1214. [R626] [Link to Abstract](#)
39. Oparil S, Izzo JL, Jr. **Pulsology rediscovered: commentary on the Conduit Artery Function Evaluation (CAFE) study.** Circulation 2006;113:1162-1163. [R589] [Link to Abstract](#)
40. O'Rourke MF, Hashimoto J. **Enhanced external counterpulsation why the benefit?** J Am Coll Cardiol 2006;48:1215-1216. [R627] [Link to Abstract](#)
41. O'Rourke MF, Seward JB. **Central arterial pressure and arterial pressure pulse: new views entering the second century after Korotkov.** Mayo Clin Proc 2006;81:1057-1068. [R655] [Link to Abstract](#)
42. Owen PJ, Rajiv C, Vinereanu D, *et al.* **Subclinical hypothyroidism, arterial stiffness, and myocardial reserve.** J Clin Endocrinol Metab 2006;91:2126-2132. [R573] [Link to Abstract](#)
43. Papaioannou TG, Lekakis JP, Karatzis EN, *et al.* **Transmission of calibration errors (input) by generalized transfer functions to the aortic pressures (output) at different hemodynamic states.** Int J Cardiol 2006;110:46-52. [R700] [Link to Abstract](#)
44. Papamichael C, Karatzi K, Karatzis E, *et al.* **Combined acute effects of red wine consumption and cigarette smoking on haemodynamics of young smokers.** J Hypertens 2006;24:1287-1292. [R601] [Link to Abstract](#)
45. Pietri P, Vyssoulis G, Vlachopoulos C, *et al.* **Relationship between low-grade inflammation and arterial stiffness in patients with essential hypertension.** J Hypertens 2006;24:2231-2238. [R683] [Link to Abstract](#)
46. Pitiriga V, Lekakis J, Kotsis V, *et al.* **Arterial stiffness and Chlamydia pneumoniae infection in coronary artery disease. Is there a link?** Scand Cardiovasc J 2006;40:285-290. [R679] [Link to Abstract](#)
47. Protogerou AD, Lekakis J, Ikonomidis I, *et al.* **Pressure wave reflections, central blood pressure, and aortic stiffness in patients with Adamantiades-Behcet's disease: a cross-sectional case-control study underlining the role of chronic corticosteroid treatment.** Am J Hypertens 2006;19:660-666. [R687] [Link to Abstract](#)
48. Rehill N, Beck CR, Yeo KR, Yeo WW. **The effect of chronic tobacco smoking on arterial stiffness.** Br J Clin Pharmacol 2006;61:767-773. [R607] [Link to Abstract](#)
49. Ronnback M, Hernelahti M, Hamalainen E, Groop PH, Tikkanen H. **Effect of physical activity and muscle morphology on endothelial function and arterial stiffness.** Scand J Med Sci Sports 2006;doi:10.1111/j.1600-0838.2006.00603.x. [R682] [Link to Abstract](#)

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54. Sharman JE, Lim R, Marwick TH. **Cardiac syndrome X: relevance of arterial pressure waveform analysis to patients with chest pain and normal coronary arteries.** *J Hum Hypertens* 2006;20:473-474. [R598] [Link to Abstract](#)
55. Shiburi CP, Staessen JA, Maseko M, *et al.* **Reference values for SphygmoCor measurements in South Africans of African ancestry.** *Am J Hypertens* 2006;19:40-46. [R578] [Link to Abstract](#)
56. Stewart AD, Jiang B, Millasseau SC, Ritter JM, Chowienczyk PJ. **Acute reduction of blood pressure by nitroglycerin does not normalize large artery stiffness in essential hypertension.** *Hypertension* 2006;48:404-410. [R672] [Link to Abstract](#)
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58. Tsang TS, Barnes ME, Abhayaratna WP, *et al.* **Effects of quinapril on left atrial structural remodeling and arterial stiffness.** *Am J Cardiol* 2006;97:916-920. [R576] [Link to Abstract](#)
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63. Vlachopoulos C, Kosmopoulou F, Alexopoulos N, *et al.* **Acute mental stress has a prolonged unfavorable effect on arterial stiffness and wave reflections.** Psychosom Med 2006;68:231-237. [R617] [Link to Abstract](#)
64. Waring WS, Sinclair HM, Webb DJ. **Effects of salbutamol and glyceryl trinitrate on large arterial stiffness are similar between patients with hypertension and adults with normal blood pressure.** Br J Clin Pharmacol 2006;62:621-626. [R696] [Link to Abstract](#)
65. Weber T, Auer J, O'Rourke MF, *et al.* **Prolonged mechanical systole and increased arterial wave reflections in diastolic dysfunction.** Heart 2006;doi:10.1136/hrt.2005.084145. [R586] [Link to Abstract](#)
66. Williams B, Lacy PS, Thom SM, *et al.* **Differential impact of blood pressure-lowering drugs on central aortic pressure and clinical outcomes: principal results of the Conduit Artery Function Evaluation (CAFE) study.** Circulation 2006;113:1213-1225. [R577] [Link to Abstract](#)
67. Wojciechowska W, Staessen JA, Nawrot T. **Reference values in white Europeans for the arterial pulse wave recorded by means of the SphygmoCor device.** Hypertens Res 2006;29:475-483. [R659] [Link to Abstract](#)
68. Yasmin, McEniery CM, O'shaughnessy KM, *et al.* **Variation in the human matrix metalloproteinase-9 gene is associated with arterial stiffness in healthy individuals.** Arterioscler Thromb Vasc Biol 2006;doi:10.1161.atv.0000227717.46157.32. [R587] [Link to Abstract](#)
69. Yasmin, O'shaughnessy KM, McEniery CM, Cockcroft JR, Wilkinson IB. **Genetic variation in fibrillin-1 gene is not associated with arterial stiffness in apparently healthy individuals.** J Hypertens 2006;24:499-502. [R590] [Link to Abstract](#)