



ONLINE SUPPLEMENT

Nocturnal blood pressure measured by home devices — Evidence and perspective for clinical application

Short title: Nocturnal Home Blood pressure

Kei Asayama, Takeshi Fujiwara, Satoshi Hoshide, Takayoshi Ohkubo, Kazuomi Kario,
George S. Stergiou, Gianfranco Parati, William B. White, Michael A. Weber, Yutaka Imai,

International Expert Group on Nocturnal Home Blood Pressure

This appendix formed part of the original submission and has been peer reviewed.

We posted it as supplied by the authors.

Supplemental Web References

w1. Sega R, Facchetti R, Bombelli M, Cesana G, Corrao G, Grassi G, et al. Prognostic value of ambulatory and home blood pressures compared with office blood pressure in the general population: follow-up results from the Pressioni Arteriose Monitorate e Loro Associazioni (PAMELA) study. *Circulation* 2005; 111 (14):1777-1783.

w2. Niiranen TJ, Hanninen MR, Johansson J, Reunanen A, Jula AM. Home-measured blood pressure is a stronger predictor of cardiovascular risk than office blood pressure: the Finn-Home study. *Hypertension* 2010; 55 (6):1346-1351.

w3. Parati G, Pickering TG. Home blood-pressure monitoring: US and European consensus. *Lancet* 2009; 373 (9667):876-878.

w4. Kikuya M, Ohkubo T, Asayama K, Metoki H, Obara T, Saito S, et al. Ambulatory blood pressure and 10-year risk of cardiovascular and noncardiovascular mortality: the Ohasama study. *Hypertension* 2005; 45 (2):240-245.

w5. Niiranen TJ, Maki J, Puukka P, Karanko H, Jula AM. Office, home, and ambulatory blood pressures as predictors of cardiovascular risk. *Hypertension* 2014; 64 (2):281-286.

w6. Staessen JA, Thijs L, Fagard R, O'Brien ET, Clement D, de Leeuw PW, et al. Predicting cardiovascular risk using conventional vs ambulatory blood pressure in older patients with systolic hypertension. Systolic Hypertension in Europe Trial Investigators. *JAMA* 1999; 282 (6):539-546.

w7. Kario K, Pickering TG, Matsuo T, Hoshide S, Schwartz JE, Shimada K. Stroke prognosis and abnormal nocturnal blood pressure falls in older hypertensives. *Hypertension* 2001; 38 (4):852-857.

w8. Verdecchia P, Porcellati C, Schillaci G, Borgioni C, Ciucci A, Battistelli M, et al. Ambulatory blood pressure. An independent predictor of prognosis in essential hypertension. *Hypertension* 1994; 24 (6):793-801.

- w9. Ben-Dov IZ, Kark JD, Ben-Ishay D, Mekler J, Ben-Arie L, Bursztyn M. Predictors of all-cause mortality in clinical ambulatory monitoring: unique aspects of blood pressure during sleep. *Hypertension* 2007; 49 (6):1235-1241.
- w10. Ohkubo T, Hozawa A, Yamaguchi J, Kikuya M, Ohmori K, Michimata M, et al. Prognostic significance of the nocturnal decline in blood pressure in individuals with and without high 24-h blood pressure: the Ohasama study. *J Hypertens* 2002; 20 (11):2183-2189.
- w11. Hosaka M, Asayama K, Imai Y, Ohkubo T. Relationship between stroke subtypes and morning surge or dipping pattern. *Hypertension* 2013; 61 (2):e21.
- w12. Che X, Mou S, Zhang W, Zhang M, Gu L, Yan Y, et al. The impact of non-dipper circadian rhythm of blood pressure on left ventricular hypertrophy in patients with non-dialysis chronic kidney disease. *Acta Cardiol* 2017; 72 (2):149-155.
- w13. Nakai K, Fujii H, Watanabe K, Watanabe S, Awata R, Kono K, et al. Riser pattern is a predictor of kidney mortality among patients with chronic kidney disease. *Clin Exp Hypertens* 2016; 38 (5):476-481.
- w14. Azancot MA, Ramos N, Moreso FJ, Ibernón M, Espinel E, Torres IB, et al. Hypertension in chronic kidney disease: the influence of renal transplantation. *Transplantation* 2014; 98 (5):537-542.
- w15. Pickering TG. The clinical significance of diurnal blood pressure variations. Dippers and nondippers. *Circulation* 1990; 81 (2):700-702.
- w16. Kario K. Obstructive sleep apnea syndrome and hypertension: ambulatory blood pressure. *Hypertens Res* 2009; 32 (6):428-432.
- w17. Manning G, Rushton L, Donnelly R, Millar-Craig MW. Variability of diurnal changes in ambulatory blood pressure and nocturnal dipping status in untreated hypertensive and normotensive subjects. *Am J Hypertens* 2000; 13 (9):1035-1038.
- w18. Dimsdale JE, Heeren MM. How reliable is nighttime blood pressure dipping? *Am J*

Hypertens 1998; 11 (5):606-609.

w19. Thijs L, Amery A, Clement D, Cox J, de Cort P, Fagard R, et al. Ambulatory blood pressure monitoring in elderly patients with isolated systolic hypertension. J Hypertens 1992; 10 (7):693-699.

w20. Palatini P, Mormino P, Canali C, Santonastaso M, De Venuto G, Zanata G, et al. Factors affecting ambulatory blood pressure reproducibility. Results of the HARVEST Trial. Hypertension and Ambulatory Recording Venetia Study. Hypertension 1994; 23 (2):211-216.

w21. Mochizuki Y, Okutani M, Dongfeng Y, Iwasaki H, Takusagawa M, Kohno I, et al. Limited reproducibility of circadian variation in blood pressure dippers and nondippers. Am J Hypertens 1998; 11 (4 Pt 1):403-409.