

Working Group on BP Monitoring and Cardiovascular Variability

Chairman : Gianfranco Parati

Secretary : George Stergiou

Members

Kei Asayama

Roland Asmar

Lawrie Beilin

Grzegorz Bilo

Murielle Bochud

Michael Bursztyl

Paolo Castiglioni

Denis Clement

Peter W de Leeuw

Marco Di Rienzo

Eamon Dolan

Robert Fagard

Andrea Faini

Giuseppe Germano

Tine W. Hanssen

Satoshi Hoshida

Ferdinando Iellamo

Yutaka Imai

Kazuomi Kario

Masahiro Kukuya

Dominique Laude

Philip Lewis

Carolina Lombardi

Jao Maldonado

Jean-Michel Mallion

Giuseppe Mancina

Thomas Mengden

Martin Myers

Krzysztof Narkiewicz

Teemu Niirnen

Eoin O'Brien

Takayoshi Ohkubo

Stefano Omboni

Paul L. Padfield

Paolo Palatini

Gianfranco Parati

Atul Pathak

Josep Redon

Francesca Saladini

Jitka Seidlerova

Yuriy Sirenko

Jan A. Staessen

Georges S. Stergiou

Katarzyna Stolarz-Skrzypek

Jirar Topouchian

Gert van Montfrans
Paolo Salvi
Paolo Verdecchia
Bernard Waeber
Jiguang Wang
Siegfried Wassertheurer
William White
Parounak Zelveian

Publications

Proceedings

1. **Proceedings of the 1999 Consensus Conference on Ambulatory Blood Pressure Monitoring, Monitoring, Leuven, Belgium. 23-25th September 1999**
 - ◆ Fagard R, Staessen J. Foreword. *Blood Pressure Monit* 1999;4:277-331
 - ◆ O'Brien E. Criteria for validation of devices. Task Force I: Methodological aspects. *Blood Pressure Monit* 1999;4:279-281
 - ◆ O'Brien E. Methods of analysis. Task Force I: Methodological aspects. *Blood Pressure Monit* 1999;4:286-287
 - ◆ Mancia G, O'Brien E, Imai Y, Redon J. Task Force II: Ambulatory blood pressure monitoring in population studies. *Blood Pressure Monit* 1999;4:295-301
 - ◆ Staessen JA, Beilin L, Parati G, Waeber B, White W and the Participants of the 1999 Consensus Conference on Ambulatory Blood Pressure Monitoring. Task Force IV: Clinical use of ambulatory blood pressure monitoring. *Blood Pressure Monit* 1999;4:319-333
 - ◆ Pickering TG, Coats A, Mallion JM, Mancia G, Verdecchia P. Task Force:V. White-coat hypertension. *Blood Pressure Monit* 1999;4:333-341
 - ◆ White WB, Asmar R, Imai Y, Mansoor G, Padfield P, Thijis L, Waeber B. Task Force VI: Self-monitoring of the blood pressure. *Blood Pressure Monit* 1999;4:343-351
2. **Proceedings of Proceedings of the 1999 Consensus Conference on Ambulatory Blood Pressure a Workshop on Blood Pressure Monitoring, Milan. 15th June 1999**
 - ◆ O'Brien E, Proceedings from a workshop on measurement of blood pressure of the Working Group on Blood Pressure Monitoring of the European Society of Hypertension, Milan, June 1999. *Blood Pressure Monit* 2000;5:31-32
 - ◆ O'Brien E. Consequences of banning mercury and the cuff controversy. *Blood Pressure Monit* 2000;5:33-34
 - ◆ Redon J. Ambulatory blood pressure for special groups. *Blood Pressure Monit* 2000;5:35-37
 - ◆ Staessen J. Ambulatory blood pressure in clinical trials. *Blood Pressure Monit* 2000;5:39-41
 - ◆ O'Brien E. Proposals for simplifying the validation protocols of the British Hypertension Society and the Association for the Advancement of Medical Instrumentation. *Blood Pressure Monit* 2000;5:43-45
 - ◆ Parati G. Continuous finger monitoring of blood pressure: advantages, problems and perspectives. *Blood Pressure Monit* 2000;5:47-49
3. **Proceedings of Consensus Conference on Self Blood Pressure Monitoring in Versailles. France. 4th June 1999.**
 - ◆ Asmar R, Zanchetti A on behalf of the Organizing Committee and participants. Guidelines for the use of self-blood pressure monitoring: a summary report of the first international consensus conference. *J Hypertension* 2000;18:493-508
 - ◆ Asmar R. Proceedings from the First International Consensus Conference on Self-Blood Pressure Measurement. *Blood Pressure Monit* 2000;5:91-92

- ◆ O'Brien E, De Gaudemaria R, Bobrie G, Agabiti Rosei E, Vaisse B and the participants of the First International Consensus Conference on Blood Pressure Self-Measurement. Devices and validation. *Blood Pressure Monit* 2000;**5**:93-100
- ◆ Staessen J, Thijs and the participants of the First International Consensus Conference on Blood Pressure Self-Measurement. Development of diagnostic thresholds for automated self-measurement of blood pressure in adults. *Blood Pressure Monit* 2000;**5**:101-109
- ◆ Mengden T, Chamontin B, Phong Chau NG, Gamiz JLP, Chanudet X and the participants of the First International Consensus Conference on Blood Pressure Self-Measurement. User procedure for self-measurement of blood pressure. *Blood Pressure Monit* 2000;**5**:111-129
- ◆ Herpin D, Pickering T, Stergiou G, de Leeuw, Germano G and the participants of the First International Consensus Conference on Blood Pressure Self-Measurement. Clinical applications and diagnosis. *Blood Pressure Monit* 2000;**5**:131-135
- ◆ Imai Y, Poncelet P, DeBuyzere M, Padfield PL, Van Montfrans GA and the participants of the First International Consensus Conference on Blood Pressure Self-Measurement. Prognostic significance of self-measurements of blood pressure. *Blood Pressure Monit* 2000;**5**:137-143
- ◆ Denolle T, Waeber B, Kjeldsen S, Parati G, Wilson M, Asmar R and the participants of the First International Consensus Conference on Blood Pressure Self-Measurement. Self-measurement of blood pressure in clinical trials as therapeutic applications. *Blood Pressure Monit* 2000;**5**:145-149.
- 4. **Proceedings of a Workshop on Blood Pressure Monitoring; What's new in blood pressure measurement? Milan. 18th June 2001.**
 - ◆ O'Brien E. State of the market in 2001 for blood pressure measuring devices. *Blood Press Monit* 2001;**6**:171-176
 - ◆ Pickering T. The case for a hybrid sphygmomanometer. *Blood Press Monit* 2001;**6**:177-179
 - ◆ Myers M. Reporting bias in self-measurement of blood pressure. *Blood Press Monit* 2001;**6**:181-184
 - ◆ Mengden T, Vetter H, Tisler A, Illyes M. Tele-monitoring of home blood pressure. *Blood Press Monit* 2001;**6**:185-188
 - ◆ Baguet JP, Joseph X, Ormezzano O, Neuder Y, Quesada JL, Mallion J-P. Ambulatory blood pressure variation in healthy subjects, hypertensive elderly and type 1 diabetic patients in relation to the sitting or standing position. *Blood Press Monit* 2001;**6**:191-194
 - ◆ Asmar R, Mallion J-P. CD-ROMs for blood pressure measurement. *Blood Press Monit* 2001;**6**:195-196
 - ◆ Thijs L, O'Brien ET, Staessen JA for the Systolic Hypertension in Europe (Syst-Eur) Trial Investigators. Ambulatory and conventional pulse pressures and mean pressures as determinants of the Sokolow-Lyon ECG voltage index in older patients with systolic hypertension. *Blood Press Monit* 2001;**6**:197-202
 - ◆ Chonan K, Kikuya M, Araki T et al. Device for self-measurement of blood pressure that can monitor blood pressure during sleep. *Blood Press Monit* 2001;**6**:203-206
 - ◆ Redon J, Bertolin V, Giner V, Lurbe E. Assessment of blood pressure early morning rise. *Blood Press Monit* 2001;**6**:207-210
 - ◆ Verdecchia P, Schillaci G, Reboldi G, Franklin SS, Porcellati C. Ambulatory monitoring for prediction of cardiac and cerebral events. *Blood Press Monit* 2001;**6**:211-213
 - ◆ Parati G, Omboni S, Villani A, et al. Reproducibility of beat-to-beat blood pressure and heart rate variability. *Blood Press Monit* 2001;**6**:217-220
 - ◆ Palatini P. Limitations of ambulatory blood pressure monitoring. *Blood Press Monit* 2001;**6**:221-223
- 5. **Proceedings of Eight Consensus Conference on Blood Pressure Monitoring, Part I. Sendai, Japan, October 2001.**
 - ◆ O'Brien E. Validation Up-date. *Blood Press Monit* 2001;**6**:275-280
 - ◆ O'Brien E. State of the market for devices for blood pressure measurement. *Blood Press Monit* 2001;**6**: 281-286
 - ◆ Van Montfrans G. Oscillometric blood pressure measurement: progress and problems. *Blood Press Monit* 2001;**6**: 287-290
 - ◆ Tochikubo O, Kimura K. Recent advances in blood pressure measurement technology: normalized blood pressure measurement with a double-cuff sphygmomanometer. *Blood Press Monit* 2001;**6**: 297-301

- ◆ Shriasaki O, Terada H, Niwano K, et al. *Blood Press Monit* 2001;**6**: 303-307
- ◆ O'Brien E, van Montfrans G, Palatini P, Tochikubo O, Staessen J, Shirasaki O, Lipicky R, Myers M. Task Force I: Methodological aspects of blood pressure measurement. *Blood Press Monit* 2001;**6**:313-315
- ◆ Redon J, Lurbe E. Overview of ambulatory blood pressure monitoring in childhood and pregnancy. *Blood Press Monit* 2001;**6**: 317-321
- ◆ Verdecchia P. Reference values for ambulatory blood pressure and self-measured blood pressure based on prospective outcome data. *Blood Press Monit* 2001;**6**: 323-327
- ◆ Asmar R, Darne B, el Assaad M, Topouchian J. Assessment of outcomes other than systolic and diastolic blood pressure: pulse pressure, arterial stiffness and heart rate. *Blood Press Monit* 2001;**6**: 329-333
- ◆ Imai Y, Hozawa A, Ohkubo T et al. Predictive values of automated blood pressure measurement: what can we learn from the Japanese population – the Ohasama study. *Blood Press Monit* 2001;**6**: 335-339
- ◆ Parati G, Mancia G. Blood pressure variability as a risk factor. *Blood Press Monit* 2001;**6**: 341-347
- ◆ Shimada K, Kario K, Umeda Y et al. Early morning surge in blood pressure. *Blood Press Monit* 2001;**6**: 349-353
- ◆ Staessen JA, Asmar R, De Buyzere et al. Task Force II: Blood pressure measurement and cardiovascular outcome. *Blood Press Monit* 2001;**6**: 355-370
- ◆ Pickering T. Future developments in ambulatory blood pressure monitoring and self-blood pressure monitoring in clinical practice. *Blood Press Monit* 2001;**7**: 21-25
- ◆ White WB. Clinical utility of ambulatory blood pressure: perspectives for national insurance cover. *Blood Press Monit* 2001;**7**: 27-31
- ◆ Fagard R, Staessen J. Characteristics of conventional blood pressure in studies on the predictive power of ambulatory blood pressure. *Blood Press Monit* 2001;**7**: 33-36
- ◆ Padfield P. Self-monitored blood pressure: a role in clinical practice? *Blood Press Monit* 2001;**7**: 41-44
- ◆ Beilin L. Role of automated measurements in understanding lifestyle effects on blood pressure. *Blood Press Monit* 2001;**7**: 45-50
- ◆ Kawano Y. Role of blood pressure monitoring in non-pharmacological management of hypertension. *Blood Press Monit* 2001;**7**: 51-54
- ◆ Baguet J-P, Mallion J-M. Self-monitoring of blood pressure should be used in clinical trials. *Blood Press Monit* 2001;**7**: 55-59
- ◆ Illyes M, Mengden T, Tisler A. The virtual hypertension clinic. *Blood Press Monit* 2001;**7**: 67-68
- 6. **Proceedings of a Seminar on Blood Pressure Measurement; “Developments in Blood Pressure Measurement. Prague. 28th June 2002**
- ◆ O'Brien E. The Working Group on Blood Pressure Monitoring of the European Society of Hypertension. *Blood Pressure Monit* 2003;**8**:17-18
- ◆ O'Brien E. Demise of the mercury sphygmomanometer and the dawning of a new era in blood pressure measurement. *Blood Pressure Monit* 2003;**8**:19-21
- ◆ Pickering T. What will replace the mercury sphygmomanometer? *Blood Pressure Monit* 2003;**8**:23-25
- ◆ Guelen I, Westerhof BE, van der Sar GL, van Montfrans GA, Kiemeneij F, Wesseling KH, Jan W Bos W. Finometer, finger pressure measurements with the possibility to reconstruct brachial pressure. *Blood Pressure Monit* 2003;**8**:27-30
- ◆ Parati G, Ongaro G, Bilo G, Glavina F, Castiglioni P, Di Rienzo M, Mancia G. Non-invasive beat-to-beat blood pressure monit: new developments. *Blood Pressure Monit* 2003;**8**:31-36
- ◆ Den Hond E, Celis H, Vandenhoven G, O'Brien E, Staessen JA for the THOP investigators. Determinants of white-coat syndrome assessed by ambulatory blood pressure or self-measured home blood pressure. *Blood Pressure Monit* 2003;**8**:37-40
- ◆ Uen S, Vetter H, Mengden T. Simultaneous recording of blood pressure and ST-segment with combined, triggered ambulatory 24-h devices. *Blood Pressure Monit* 2003;**8**:41-44
- ◆ Stojanovic M, O'Brien E, Lyons S, Stanton A. Silent myocardial ischaemia in treated hypertensives with and without left ventricular hypertrophy. *Blood Pressure Monit* 2003;**8**:45-51

- ◆ Imai Y, Hozawa Y, Ohkubo T, Ohmori K, Kikuya M, Hashimoto J, Michimata J, Matsubara M, Yamaguchi J, Ugajin T, Araki T, Tsuji I. Heart rate measurement and outcome. *Blood Pressure Monit* 2003;**8**:53-55
- 7. **Proceedings of a Seminar on Blood Pressure Measurement: “Blood Pressure Measurement in Hypertension Research”. Milan. 17th June 2003**
 - ◆ O’Brien E. Blood pressure measurement in hypertension research. A workshop of the European Society of Hypertension. *Blood Pressure Monit* 2003;**8**:141-142
 - ◆ Dolan E, Atkins N, McClory S, Hinedi K, Sharifa S, McCormack P, Staessen J, Thijs L, Stanton A, O’Brien E. Ambulatory blood pressure measurement as a predictor of outcome in an Irish population: methodology for ascertaining mortality outcome. *Blood Pressure Monit* 2003, 8:143–145
 - ◆ Pickering T, Schwartz J, Verdecchia P, Imai Y, Kario K. An International Database of Prospective Ambulatory Blood Pressure Monitoring Studies. *Blood Pressure Monit* 2003;**8**:147-149
 - ◆ Tikhonoff V, Kuznetsova T, Stolarz K, Bianchi G, Casiglia E, Kawecka-Jaszcz K, Nikitin Y, Tizzone L, Wang J-G, Staessen JA on behalf of the European Project on Genes in Hypertension (EPOGH) Investigators. Blood pressure phenotypes in relation to the B-adducin C1797T polymorphism in the European Project on Genes in Hypertension (EPOGH). *Blood Pressure Monit* 2003;**8**:151-154
 - ◆ Parati G, Bilo G, Vettorello M, Gropelli A, Maronati A, Tortorici E, Caldara G, Mancia G. Assessment of overall blood pressure variability and its different components. *Blood Pressure Monit* 2003;**8**:155-159
 - ◆ Myers MG. Methods for evaluating the duration of action of once-daily antihypertensive therapy. *Blood Pressure Monit* 2003;**8**:161-163
 - ◆ Stergiou GS. Which is the correct term for blood pressure measurements taken at home? *Blood Pressure Monit* 2003;**8**:165-167
 - ◆ Mengden T, Uen S, Baulmann J, Vetter H. Significance of blood pressure self-measurement as compared to office blood pressure measurement and ambulatory 24-hour blood pressure measurement in pharmacologic studies. *Blood Pressure Monit* 2003;**8**:169-172
 - ◆ Den Hond E, Staessen JA on behalf of the APTH and THOP investigators. Relation between left ventricular mass and systolic blood pressure at baseline in the APTH and THOP trials. *Blood Press Monit* 2003, 8:173–175
 - ◆ O’Brien E. A website for blood pressure measuring devices:dableducational.com. *Blood Pressure Monit* 2003, **8**:177–180
- 8. **Proceedings of a Seminar on Blood Pressure Measurement: “What’s new in blood pressure measurement?” Paris. 17th June 2004**
 - ◆ O’Brien E. What's new in blood pressure measurement? A workshop of the European Society of Hypertension. *Blood Press Monit* 2004;**9**:281-282
 - ◆ Myers MG. Blood pressure measurement and the guidelines: a proposed new algorithm for the diagnosis of hypertension. *Blood Press Monit* 2004;**9**:283-286
 - ◆ Richards C, Sutherland M, Gough K, Padfield PL. Direct access ambulatory BP monitoring-the Edinburgh experience. *Blood Press Monit* 2004;**9**:287-291
 - ◆ Stergiou GS, Alamara CV, Vazeou A, Stefanidis CJ. Office and out-of-office blood pressure measurement in children and adolescents. *Blood Press Monit* 2004;**9**:293-296
 - ◆ Palatini P. Masked hypertension: how can the condition be detected? *Blood Press Monit* 2004;**9**:297-299
 - ◆ Mallion J.M, Genes N, Vaur L, Clerson P, Vaisse B, Bobrie G, Chatellier G. Detection of masked hypertension by home blood pressure measurement: is the number of measurements an important issue? *Blood Press Monit* 2004;**9**:301-305
 - ◆ Dolan E, Stanton A, Atkins N, Den Hond E, Thijs L, McCormack P, Staessen J, O’Brien E. Determinants of white-coat hypertension. *Blood Press Monit* 2004;**9**:307-309
 - ◆ Den Hond E, Staessen JA, Celis H, Fagard R, Keary L, Vandenhoven G, O'Brien ET, for the Treatment of Hypertension Based on Home or Office Blood Pressure (THOP) Trial Investigators. Antihypertensive treatment based on home or office blood pressure-the THOP trial. *Blood Press Monit* 2004;**9**:311-314
 - ◆ Ohkubo T, Asayama K, Kikuya M, Metoki H, Obara T, Saito S, Hoshi H, Hashimoto J, Totsune K, Satoh H, Imai Y. Prediction of ischaemic and haemorrhagic stroke by self-measured blood pressure at home: the Ohasama study. *Blood Press Monit* 2004;**9**:315-320

- ◆ Mengden T, Ewald S, Kaufmann S, vor dem Esche J, Uen S, Vetter H. Telemonitoring of blood pressure self measurement in the OLMETEL study. *Blood Press Monit* 2004;**9**:321-325
 - ◆ Parati G, Mendis S, Abegunde D, Asmar R, Mieke S, Murray A, Shengelia B, Steenvoorden G, Van Montfrans G, O'Brien E. Recommendations for blood pressure measuring devices for office/clinic use in low resource settings. *Blood Press Monit* 2005;**10**:3-10
9. **Proceedings of a Seminar on Blood Pressure Measurement: "From measurement to profiles, phenomena and indices". Milan. 18th June 2005**
- ◆ O'Brien E. *From measurement to profiles, phenomena and indices: A workshop of the European Society of Hypertension.* *Blood Press Monit* 2005;**10**:291-299
 - ◆ Stergiou GS. White coat hypertension and masked hypertension in children. *Blood Press Monit* 2005;**10**:297-300
 - ◆ Angeli F, Verdecchia P, Gattobigio R, Sardone M, Reboldi G. White coat hypertension in adults. *Blood Press Monit* 2005;**10**:301-305
 - ◆ Longo D, Dorigatti F, Palatini P. Masked hypertension in adults. *Blood Press Monit* 2005;**10**:307-310
 - ◆ Obara T, Ohkubo T, Kikuya M, Asayama K, Metoki H, Inoue R, Oikawa T, Komai R, Murai K, Hashimoto J, Totsune K, Imai Y and the J-HOME Study Group. Prevalence of masked uncontrolled and treated white coat hypertension defined according to the average of morning and evening home blood pressure value: from the J-HOME study. *Blood Press Monit* 2005;**10**:311-316
 - ◆ Jhalani J, Goyal T, Clemow L, Schwartz JE, Pickering TG, Gerin W. Anxiety and outcome expectation predict the white coat effect. *Blood Press Monit* 2005;**10**:317-319
 - ◆ Bilo G, Giglio A, Caldara G, Faini A, Kawecka-Jaszcz K, Mancia G, Parati G. How to improve the assessment of 24 H blood pressure variability. *Blood Press Monit* 2005;**10**:321-323
10. **Proceedings of a Seminar on Blood Pressure Measurement: "Developments in blood pressure measurement". Madrid. 13th June 2006**
- ◆ Atkins N, O'Brien E. The dabl® educational trust device equivalence procedure. *Blood Press Monit* 2007;**12**:245-249
 - ◆ Amore JN, Lemesre Y, Murray IC, Vacher E, Mieke S, King ST. Validation of oscillometric non-invasive blood pressure measurement devices using simulators. *Blood Press Monit* 2007;**12**:251-253.
 - ◆ Thijs L, Hansen TW, Kikuya M, Björklund-Bodegrd K, Li Y, Dolan E, *et al.* The International Database of Ambulatory blood pressure in relation to Cardiovascular Outcome (IDACO) : protocol and research perspectives. *Blood Press Monit* **12**:255-262
 - ◆ Waeber B, Genoud M, Feihl F, Hayoz D, Waeber G. Ambulatory blood pressure monitoring: a means to stratify cardiovascular risk. *Blood Press Monit* 2007;**12**:263-265.
 - ◆ Verberk WJ, Thien T, de Leeuw PW. Masked hypertension, a review of the literature. *Blood Press Monit* 2007;**12**:267-273.
 - ◆ Kikuya M, Hansen TW, Thijs L, Björklund-Bodegård K, Kuznetsova T, Ohkubo T, *et al.* Diagnostic thresholds for ambulatory blood pressure monitoring based on 10-year cardiovascular risk. *Circulation* 2007;**115**:2145-2152

◆
Statement Papers and papers in cooperation with the former ESH WG on BP and HR variability

1. Asmar R, Zanchetti A, on behalf of the Organizing Committee and participants. Guidelines for the use of self-blood pressure monitoring: a summary report of the first international consensus conference. *J Hypertens* 2000; **18**:493-508.
2. Asmar R. Proceedings from the First International Consensus Conference on Self-Blood Pressure Measurement. *Blood Press Monit* 2000; **5**:91-92.
3. O'Brien E, Waeber B, Parati G, Staessen J, Myers M on behalf of the European Society of Hypertension Working Group on Blood Pressure Monitoring. Blood pressure measuring devices: recommendations of the European Society of Hypertension. *BMJ* 2001;**322**:531-6
4. O'Brien E, Pickering T, Asmar R, Myers M, Parati G, Staessen J, Mengden T, Imai Y, Waeber B, Palatini P with the statistical assistance of Atkins N and Gerin W on behalf of the Working Group on Blood Pressure Monitoring of the European Society of Hypertension. International protocol for validation of blood pressure measuring devices in adults. *Blood Press Monit* 2002;**7**:3-17

5. Verdecchia P, O'Brien E, Pickering T, Staessen JA, Parati G, Myers M, Palatini P on behalf of the European Society of Hypertension Working Group on Blood Pressure Monitoring. When to suspect white coat hypertension? Statement from the Working Group on Blood Pressure Monitoring of the European Society of Hypertension. *Am J Hypertens* 2003;**16**:87-91
6. O'Brien E, Asmar R, Beilin L, Imai Y, Mallion J-M, Mancia G, Mengden T, Myers M, Padfield P, Palatini P, Parati G, Pickering T, Redon J, Staessen J, Stergiou G, Verdecchia P on behalf of the European Society of Hypertension Working Group on Blood Pressure Monitoring. European Society of Hypertension recommendations for conventional, ambulatory and home blood pressure measurement. *J Hypertens* 2003;**21**:821-848
7. O'Brien E, Asmar R, Beilin L, Imai Y, Mancia G, Mengden T, Myers M, Padfield P, Palatini P, Parati G, Pickering T, Redon J, Staessen J, Stergiou G, Verdecchia P on behalf of the European Society of Hypertension Working Group on Blood Pressure Monitoring. Practice guidelines of the European Society of Hypertension for clinic, ambulatory and self blood pressure measurement. *J Hypertens* 2005, **23**:697-701
8. G. Parati, S.Mendis, D.Abegunde, R.Asmar, S.Mieke, A.Murray, B.Shengelia, G.Steenvoorden, G.Van Montfrans, E.O' Brien. Recommendations for blood pressure measuring devices for office/clinic use in low resource setting. *Blood Pressure Monitoring* 2005; 10: 3-10.
9. P.Palatini, G. Parati. Modulation of 24-h blood pressure profiles: a new target for treatment? *Journal of Hypertension* 2005; 23: 1799-1801
10. G.Bilo, A.Giglio, K.Styczkiewicz, G.Caldara, K.Kawecka-Jaszcz, G.Mancia, G. Parati. How to improve the assessment of 24-h blood pressure variability. *Blood Pressure Monitoring* 2005; 10: 321-323.
11. G. Parati, G. Mancia. Assessing the white-coat effect: which blood pressure measurement should be considered? *J.Hypertens* 2006; 24: 29-31.
12. G. Parati, B.Waerber. Twenty-four hour blood pressure monitoring: in ambulatory conditions or in-hospital? *J.Hypertens* 2006; 24: 265-267.
13. P.Palatini, A.Benetos, G.Grassi, S.Julius, S.E.Kjeldsen, G.Mancia, K.Narkiewicz, G. Parati, A.C.Pessina, L.M.Ruilope, A.Zanchetti. Identification and management of the hypertensive patient with elevated heart rate: statement of a European Society of Hypertension Consensus Meeting. *J.Hypertens* 2006; 24: 603-610.
14. G. Parati, A.Faini, M.Valentini. Blood pressure variability: its measurement and significance in hypertension. *Current Hypertension Reports* 2006; 8: 199-204.
15. G. Parati, G.Mancia, M.Di Rienzo, P.Castiglioni, J.A.Taylor, P. Studinger. Point: Counterpoint Cardiovascular variability is/is not an index of autonomic control of circulation. *Journal of Applied Physiology* 2006; 101: 676-682.
16. G. Parati, M.Di Rienzo, P.Castiglioni, G.Mancia, J.A.Taylor, P.Studinger. Last word: Point: Counterpoint authors respond to commentaries on "Cardiovascular variability is/is not an index of autonomic control of circulation. *Journal of Applied Physiology* 2006; 101: 690-691.
17. G. Parati, A.Faini, P.Castiglioni. Accuracy of blood pressure measurement: sphygmomanometer calibration and beyond. *J.Hypertens* 2006; 24: 1915-1918.
18. W.J.Bos, E.Verrij, H.H.Vincent, B.E.Westerhof, G. Parati, A.RATI, G.A.van Montfrans. How to assess mean blood pressure properly at the brachial artery level. *J.Hypertens* 2007; 25: 751-755.
19. P.L.Padfield, G. Parati. Home blood pressure monitoring in clinical practice: how many measurements and when? *J.Hypertens* 2007; 25: 1337-1339.
20. G.Bilo, A.Giglio, K.Styczkiewicz, G.Caldara, A.Maronati, K.Kawecka-Jaszcz, G.Mancia, G. Parati. A new method for assessing 24-h blood pressure variability after excluding the contribution of nocturnal blood pressure fall. *J.Hypertens* 2007; 25: 2058-2066.
21. P.Castiglioni, L.Quintin, A.Civijian, G. Parati, M.Di Rienzo. Local-scale analysis of cardiovascular signals by detrended fluctuations analysis: effects of posture and exercise. *Proceedings of the 29th Annual International Conference of the IEEE EMBS, Lyon, France, Aug. 23-26 2007*; 1: 5035-5038
22. B.Wizner, D.G.Dechering, L.Thijis, N.Atkins, R.Fagard, E.O'Brien, P.W.de Leeuw, G. Parati, P.Palatini, D.Clément, T.Grodzicki, K.Kario, J.A.Staessen. Short-term and long-term repeatability of the morning blood pressure in older patients with isolated systolic hypertension. *J.Hypertens* 2008; 26:1328-1335.
23. G. Parati, G.S.Stergiou, R.Asmar, G.Bilo, P.de Leeuw, Y.Imai, K.Kario, E.Lurbe, A.Manolis, T.Mengden, E.O' Brien, T.Ohkubo, P.Padfield, P.Palatini, T.Pickering, J.Redon, M.Revera, L.M.Ruilope, A.Shennan, J.A.Staessen, A.Tisler, B.Waerber, A.Zanchetti, G.Mancia, on behalf of the

24. M.Di Rienzo, P.Castiglioni, F.Iellamo, M.Volterrani, M.Pagani, G.Mancia, J.M.Karemaker, G. Parati. Dynamic adaptation of cardiac baroreflex sensitivity to prolonged exposure to microgravity: data from 16-day spaceflight. *J.Applied Physiology* 2008; 105: 1569-1575.
25. Jan A.Staessen, L.Thijs, T.Ohkubo, M.Kikuya, T.Richart, J.Boggia, A. Adiyaman, D.G. Dechering, T.Kuznetsova, T.Thien, P.de Leeuw, Y.Imai, E.O'Brien, G. Parati. Thirty years of research on diagnostic and therapeutic thresholds for the self-measured blood pressure at home. *Blood Pressure Monitoring* 2008; 13: 352-365.
26. G. Parati, S.Omboni, P.Palatini, D.Rizzoni, G.Bilo, M.Valentini, E-Agabiti Rosei, G.Mancia, on behalf of the Italian Society of Hypertension Working Group on Blood Pressure Monitoring. Italian Society of Hypertension Guidelines for conventional and automated blood pressure measurements in the office, at home and over 24 hours. *High Blood Press Cardiovasc Prev* 2008; 15: 283-310.
27. S.Omboni, C.Costantini, C.Pini, R.Bulegato, D.Manfellotto, D.Rizzoni, P.Palatini, E.O'Brien, G. Parati. PA.NET International Quality Certification Protocol for blood pressure monitors. *Blood Pressure Monitoring* 2008; 13: 285-289.
28. G. Parati, T. G. Pickering. Home blood-pressure monitoring: US and European consensus. *The Lancet* 2009; 373: 876-878.
29. P. Castiglioni, G. Parati, A. Civijian, L. Quintin, M. Di Rienzo. Local scale exponents of blood pressure and heart rate variability by detrended fluctuations analysis: effects of posture, exercise, and aging. *IEEE Transactions on Biomedical Engineering* 2009; 56: 675-684.
30. E. O'Brien, N. Atkins, G. Stergiou, N. Karpettas, G. Parati, R. Asmar, Y. Imai, J. Wang, T. Mengden, A. Shennan; on behalf of the Working Group on Blood Pressure Monitoring of the European Society of Hypertension. European Society of Hypertension International Protocol revision 2010 for the validation of blood pressure measuring devices in adults. *Blood Pressure Monitoring* 2010; 15: 23-39
31. G. Parati, L.R. Krakoff, P. Verdecchia. Methods of measurements: home and ambulatory blood pressure monitoring. *Blood Pressure Monitoring* 2010; 15: 100-105.
32. G. Parati, G.S. Stergiou, R. Asmar, G. Bilo, P. de Leeuw, Y. Imai, K. Kario, E. Lurbe, A. Manolis, T.Mengden, E. O'Brien, T. Ohkubo, P. Padfield, P. Palatini, T.G. Pickering, J. Redon, M. Revera, L.M. Ruilope, A. Shennan, J.A. Staessen A. Tisler, B. Waeber, A. Zanchetti, G. Mancia, on behalf of ESH Working Group on Blood Pressure Monitoring. European Society of Hypertension Practice Guidelines for home blood pressure monitoring. *Journal of Human Hypertension* 2010; 24: 779-785 + Supplemental material (online publication): 1-4.
33. G. Parati, S. Omboni. Role of home blood pressure telemonitoring in hypertension management: an update. *Blood Pressure Monitoring* 2010; 15: 285-295.
34. G. Parati, M. Ochan Kilama, A. Faini, E. Facelli, K. Ochen, C. Opira, S. Mendis, J. Wang, N. Atkins, E. O'Brien. A new-solar-powered blood pressure measuring device for low-resource settings. *Hypertension* 2010; 56: 1047-1053.
35. P. Castiglioni, G. Parati, M. Di Rienzo, R. Carabalona, A. Cividjian, L. Quentin. Scale exponents of blood pressure and heart rate during autonomic blockade as assessed by detrended fluctuations analysis. *Journal of Physiology* 2011; 589 (2): 355-369. P. Castiglioni, G. Parati.
36. Present trends and future directions in the analysis of cardiovascular variability.
37. *Journal of Hypertension* 2011; 29: 1285-1288.
38. P.Castiglioni, G. Parati, C. Lombardi, L. Quentin, M. Di Rienzo. Assessing the fractal structure of heart rate by the temporal spectrum of scale exponents: a new approach for detrended fluctuation analysis of heart rate variability. *Biomedizinische Technik / Biomedical Engineering* 2011; 56: 175-183.
39. J. Hedner, L. Grote, M. Bonsignore, W. McNicholas, P. Lavie, G. Parati, P. Sliwinski, F. Barbé, P. Escourrou, I. Fietze, J.F. Masa, J.A. Kvamme, C. Lombardi, O. Marrone, J.M. Montserrat, T. Penzel, M. Pretl, R. Riha, D. Rodenstein, T. Saaresranta, R. Schulz, R. Tkacova, G. Varoneckas, A. Vitals, H. Vrints, J. Zielinski, W. Debacker. The European sleep apnoea database (ESADA) –report from 22 European sleep laboratories. *European Respiratory Journal* 2011; 38:635-642.
40. G.S. Stergiou, G. Parati, R. Asmar, E. O'Brien, on behalf of the European Society of Hypertension Working Group on Blood Pressure Monitoring. Requirements for professional office blood pressure monitors. *J Hypertens* 2012; 30: 537-542

41. G. Parati, C. Lombardi, J. Hedner, M.R. Bonsignore, L. Grote, R. Tkacova, P. Levy, R. Riha, C. Bassetti, K. Narkiewicz, G. Mancina, W.T. McNicholas, on behalf of the EU COST ACTION B26 members. Position paper on the management of patients with obstructive sleep apnea and hypertension: joint recommendations by the European Society of Hypertension, by the European Respiratory Society and by the members of the European COST (COoperation in Scientific and Technological research) ACTION B26 on obstructive sleep apnea. *J.Hypertens* 2012; 30: 633-646
42. G. Krstacic, G. Parati, D. Gamberger, P. Castiglioni, A. Krstacic, R.Steiner. Heart rate variability and nonlinear dynamic analysis in patients with stress-induced cardiomyopathy. *Med Biol Eng Comput* 2012; 50; 1037-1046
43. Stergiou G, Karpettas N, Atkins N, O'Brien E. European Society of Hypertension International Protocol for the validation of blood pressure monitors: A critical review of its application and rationale for revision. *Blood Press Monit* 2010;15:39–48
44. Hansen TW, Thijs L, Li Y, Boggia J, Kikuya M, Björklund-Bodegård K, Richart T, Ohkubo T, Jeppesen J, Torp Pedersen C, Dolan E, Kuznetsova T, Stolarz-Skrzypek K, Tikhonoff V, Malyutina S, Casiglia E, Nikitin Y, Lind L, Sandoya E, Kawecka-Jaszcz K, Imai Y, Wang J, Ibsen H, O'Brien E, Staessen JA on behalf of the International Database on Ambulatory blood pressure in relation to Cardiovascular Outcomes (IDACO) Investigators. Prognostic Value of Reading-to-Reading Blood Pressure Variability over 24 Hours in 8938 Subjects from 11 Populations. *Hypertension*. 2010;55:1049-1057.
45. Gowan N, Atkins N, O'Brien E, Padfield P. Computerised reporting improves the clinical use of ambulatory blood pressure measurement. *Blood Press Monit* 2010.15:115–123
46. Fan HQ, Li Y, Thijs L, Hansen TW, Boggia J, Kikuya M, Björklund-Bodegård K, Richart T, Ohkubo T, Jeppesen J, Torp-Pedersen C, Dolan E, Kuznetsova T, Stolarz-Skrzypek K, Tikhonoff V, Malyutina S, Casiglia E, Nikitin Y, Lind L, Sandoya E, Kawecka-Jaszcz K, Imai Y, Ibsen H, O'Brien E, Wang J, Staessen JA; on behalf of the International Database on Ambulatory blood pressure in relation to Cardiovascular Outcomes (IDACO) Investigators. Prognostic value of isolated nocturnal hypertension on ambulatory measurement in 8711 individuals from 10 populations. *J Hypertens* 2010, 28:2036–2045
47. Kikuya M, Staessen JA, Ohkubo T, Thijs L, Asayama K, Satoh M, Hashimoto T, Hirose T, Metoki H, Obara T, Inoue R, Li Y, Dolan E, Hoshi H, Totsune K, Satoh H, Wang J, O'Brien E, Imai Y. How many measurements are needed to provide reliable information in terms of the ambulatory arterial stiffness index? the Ohasama study. *Hypertens Res* 2010; 1–5 advance online publication, 2 December 2010; doi:10.1038/hr.2010.240
48. Li Y, Thijs L, Hansen TW, Kikuya M, Boggia J, Richart T, Metoki H, Ohkubo T, Torp Pedersen C, Kuznetsova T, Stolarz-Skrzypek K, Tikhonoff V, Malyutina S, Casiglia E, Nikitin Y, Sandoya E, Kawecka-Jaszcz K, Ibsen H, Imai Y, Wang J, Staessen JA on behalf of the International Database on Ambulatory blood pressure in relation to Cardiovascular Outcomes (IDACO) Investigators. Prognostic Value of the Morning Blood Pressure Surge in 5645 Subjects From 8 Populations. *Hypertension* 2010; 55:1040 – 1048.
49. Boggia J, Thijs L, Hansen TW, Li Y, Kikuya M, Björklund-Bodegård K, Richart T, Ohkubo T, Jeppesen J, Torp-Pedersen C, Dolan E, T Kuznetsova, Olszanecka A, Tikhonoff V, Malyutina S, Casiglia E, Nikitin Y, Lind L, Maestre G, Sandoya E, Kawecka-Jaszcz E, Imai Y, Wang J, Ibsen H, O'Brien E, Staessen JA, on behalf of the International Database on Ambulatory blood pressure in relation to Cardiovascular Outcomes (IDACO) Investigators. Ambulatory Blood Pressure Monitoring in 9357 Subjects From 11 Populations Highlights Missed Opportunities for Cardiovascular Prevention in Women. *Hypertension*. 2011;57:397-405.
50. Stergiou GS, Karpettas N, Atkins N, O'Brien E. Impact of applying the more stringent validation criteria of the revised European Society of Hypertension International Protocol 2010 on earlier validation studies. *Blood Press Monit* 2011;16:67–73