

## Pierre Boutouyrie



N° FINES 75 0 8033447, RPPS : 10001637841, N° CDOM : 75-59125, [orcid.org/0000-0002-4375-3569](https://scholar.google.fr/citations?user=AUCx3fIAAAAJ&hl=fr), <https://scholar.google.fr/citations?user=AUCx3fIAAAAJ&hl=fr>

Affiliations : Université de Paris (UP), Institut national de la recherche médicale (INSERM U970), Assistance Publique hôpitaux de Paris (APHP)

Specialties : Cardiology et Pharmacology

Position : Full professor (Pharmacology), hospital practitioner (cardiology, hypertension),

Head of Pharmacology department of Hôpital Européen Georges Pompidou (APHP)

Scientific topics : large arteries and hypertension, clinical pharmacology

Pr Pierre BOUTOUYRIE is clinical pharmacologist and cardiologist. He is involved in cardiovascular research from rare vascular diseases to large epidemiological cohorts. He has published more than 300 papers in international peer review journals, culminating in the *Lancet* (2010, 2016), *European Heart Journal* (2006, 2010, 2013, 2014, 2018), *Circulation Research* (2015, 2021). Pr Pierre Boutouyrie has published more than 100 book chapters. He has an h-index of 70 with more than 30,000 citations, his 3 most cited papers cumulate more than 10,000 citations, which ranks them among the 0.001% top papers. He is involved in research networks at European and World level and has led multiple initiatives for establishing reference values for arterial parameters worldwide.

Pr Pierre BOUTOUYRIE is current president of the ARTERY society, former chair of the WG on large arteries from European Society of hypertension, member of the French society of Pharmacology and therapeutics, the French Societies of Cardiology and Hypertension.

### 14 best publications

1. Boutouyrie P, Achouba A, Trunet P, Laurent S, Grp ET. Amlodipine-Valsartan Combination Decreases Central Systolic Blood Pressure More Effectively Than the Amlodipine-Atenolol Combination The EXPLOR Study. *HYPERTENSION*. 2010;55:1314-U54.
2. Mattace-Raso FUS, Hofman A, Boutouyrie P et al. Determinants of pulse wave velocity in healthy people and in the presence of cardiovascular risk factors: 'establishing normal and reference values'. *EUROPEAN HEART JOURNAL*. 2010;31:2338–2350.
3. Ong K-T, Perdu J, De Backer J, Bozec E, Collignon P, Emmerich J, Fauret A-L, Fiessinger J-N, Germain DP, Georgesco G, Hulot J-S, De Paepe A, Plauchu H, Jeunemaitre X, Laurent S, Boutouyrie P. Effect of celiprolol on prevention of cardiovascular events in vascular Ehlers-Danlos syndrome: a prospective randomised, open, blinded-endpoints trial. *LANCET*. 2010;376:1476–1484.
4. Karras A, Haymann J-P, Bozec E, Metzger M, Jacquot C, Maruani G, Houillier P, Froissart M, Stengel B, Guardiola P, Laurent S, Boutouyrie P, Briet M, Grp NTS. Large Artery Stiffening and Remodeling Are Independently Associated With All-Cause Mortality and Cardiovascular Events in Chronic Kidney Disease. *HYPERTENSION*. 2012;60:1451-U222.
5. Engelen L, Ferreira I, Stehouwer CD, Boutouyrie P, et al. Reference intervals for common carotid intima-media thickness measured with echotracking: relation with risk factors. *EUROPEAN HEART JOURNAL*. 2013;34:2368+.
6. Ben-Shlomo Y, Spears M, Boustred C, et al. Aortic Pulse Wave Velocity Improves Cardiovascular Event Prediction An Individual Participant Meta-Analysis of Prospective Observational Data From 17,635 Subjects. *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*. 2014;63:636–646.
7. Herbert A, Cruickshank JK, Laurent S, Boutouyrie P, Arterial RV. Establishing reference values for central blood pressure and its amplification in a general healthy population and according to cardiovascular risk factors. *EUROPEAN HEART JOURNAL*. 2014;35:3122
8. Engelen L, Bossuyt J, Ferreira I, van Bortel LM, Reesink KD, Segers P, Stehouwer CD, Laurent S, Boutouyrie P, Measurment RVA. Reference values for local arterial stiffness. Part A: carotid artery. *JOURNAL OF HYPERTENSION*. 2015;33:1981–1996.
9. van Sloten TT, Sedaghat S, Laurent S, London GM, Pannier B, Ikram MA, Kavousi M, Mattace-Raso F, Franco OH, Boutouyrie P, Stehouwer CDA. Carotid Stiffness Is Associated With Incident Stroke A Systematic Review and Individual Participant Data Meta-Analysis. *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*. 2015;66:2116–2125.
10. Laurent S, Boutouyrie P. The Structural Factor of Hypertension Large and Small Artery Alterations. *CIRCULATION RESEARCH*. 2015;116:1007–1021.
11. Olsen MH, Angell SY, Asma S, Boutouyrie P, Burger D, Chirinos JA, Damasceno A, Delles C, Gimenez-Roqueplo A-P, Hering D, Lopez-Jaramillo P, Martinez F, Perkovic V, Rietzschel ER, Schillaci G, Schutte AE, Scuteri A, Sharman JE, Wachtell K, Wang JG. A call to action and a lifecourse strategy to address the global burden of raised blood pressure on current and future generations: the Lancet Commission on hypertension. *LANCET*. 2016;388:2665–2712.
12. Sharman JE, Boutouyrie P, Perier M-C, Thomas F, Guibout C, Khettab H, Pannier B, Laurent S, Jouven X, Empana J-P. Impaired baroreflex sensitivity, carotid stiffness, and exaggerated exercise blood pressure: a community-based analysis from the Paris Prospective Study III. *EUROPEAN HEART JOURNAL*. 2018;39:599–606.
13. Bruno RM, Nilsson PM, Engstrom G, Wadstrom BN, Empana J-P, Boutouyrie P, Laurent S. Early and Supernormal Vascular Aging Clinical Characteristics and Association With Incident Cardiovascular Events. *HYPERTENSION*. 2020;76:1616–1624.
14. Boutouyrie P, Chowienczyk P, Humphrey JD, Mitchell GF. Arterial Stiffness and Cardiovascular Risk in Hypertension. *Circ Res*. 2021;128:864–886.