

Prof. Dr. Habil. Krzysztof Narkiewicz
PRA Leader 2 – Cardiology and cardiovascular Medicine

Head of the Department of Hypertension and Diabetology, MUG

doctor of medical sciences degree (1993)

habilitated doctor (1996)

title of professor (2003)

International scientific internships

University of Padova (Italy) – scientific internship supervised by Prof. P. Palatini (1993);

University of Iowa, Iowa City, USA – post-PhD internship supervised by Prof. V. K. Somers (1996-1998)

Leading research areas

pathogenesis, prevention and treatment of cardiovascular Diseases

Scientific activities

Prof. dr hab. Krzysztof Narkiewicz was the President of the European Society of Hypertension (2009-2011). Co-authored European recommendations for the treatment of hypertension (2007, 2013, 2018). He initiated the concept of establishing a Center for Translational Medicine at MUG.

Scientific successes

Finding the new mechanisms:

- a) linking sleep-disordered breathing to cardiovascular disease
- b) responsible for cardiovascular disease risk increase in patients with excessive activation of the sympathetic nervous system.

Corresponding member of the Polish Academy of Sciences (since 2010), corresponding member of the Polish Academy of Arts and Sciences (since 2012) and member of Academia Europea (since 2017).

Scientific awards

1. The Austin Doyle Award of the International Society of Hypertension
2. Award of the Presidents of the Polish Society of Cardiology
3. Award of the Prime Minister of the Republic of Poland for outstanding scientific achievements

4. Scientific Award of the City of Gdansk named after Johannes Hevelius in the category of natural sciences and exact sciences
5. Lennart Hansson Award of the European Society of Hypertension

Key projects

1. Smoking and hypertension (1999-2001)
2. Polish-Norwegian Research Fund: Novel Biomarkers of Cardiovascular Risk Evaluation in Northern Europe – CARE NORTH (2010-2011)
3. FNP Mistrz Program: The search of novel approaches in the prevention of hypertension and its complications (2009-2011)
4. FNP TEAM Program: Integrated measurement of arterial function and sympathetic nervous system activity: development, validation and application of a new method (2009-2013)
5. Grant MAESTRO Narodowego Centrum Nauki: Nadciśnienie a zaburzenia krążenia mózgowego (2012-2018)

Key Publications

1. Narkiewicz K, van de Borne P. J., Hausberg M., Cooley R. L., Winniford M. D., Davison D. E., Somers V. K., Cigarette smoking increases sympathetic outflow in humans. *Circulation*. 1998 Aug 11;98(6):528-34.
2. Narkiewicz K., Kato M., Phillips B. G., Pesek C. A., Davison D. E., Somers V. K., Nocturnal continuous positive airway pressure decreases daytime sympathetic traffic in obstructive sleep apnea. *Circulation*. 1999 Dec 7;100(23):2332-5.
3. Swierblewska E., Hering D., Kara T., Kunicka K., Kruszewski P., Bieniaszewski L., Boutouyrie P., Somers V. K., Narkiewicz K., An independent relationship between muscle sympathetic nerve activity and pulse wave velocity in normal humans. *Hypertens J*. 2010 May;28(5):979-84.
4. Naumczyk P., Sabisz A., Witkowska M., Graff B., Jodzio K., Gąsecki D., Szurowska E., Narkiewicz K., Compensatory functional reorganization may precede hypertension-related brain damage and cognitive decline: a functional magnetic resonance imaging study. *J Hypertens*. 2017 Jun;35(6):1252-1262.
5. Yang W. Y., Melgarejo J. D., Thijs L., Zhang Z. Y., Boggia J., Wei F. F., Hansen T. W., Asayama K., Ohkubo T., Jeppesen J., Dolan E., Stolarz-Skrzypek K., Malyutina S., Casiglia E., Lind L., Filipovský J., Maestre G. E., Li Y., Wang J. G., Imai Y., Kawecka-Jaszcz K., Sandoya E., Narkiewicz K., O'Brien E., Verhamme P., Staessen J. A., International Database on Ambulatory Blood Pressure in Relation to Cardiovascular Outcomes (IDACO) Investigators. Association of Office and Ambulatory Blood Pressure With Mortality and Cardiovascular Outcomes. *JAMA*. 2019 Aug 6; 322(5):409-420.

Bibliometric information (as of 28.08.2020)

Prof. dr hab. Krzysztof Narkiewicz is the author/co-author of more than 400 original publications in scientific journals/international specialized publications.

IF: 1146,141 (based on the MUG Bibliography database), number of citations without self-citation in the Web of Science database: 27,182 (number of total citations: 27 683), h index = 56.