

Curriculum Vitae

Lukasz Obrycki, MD, PhD, Assoc. Prof.



Current position	Professor of the Institute; Head of the Dialysis Unit; Head of the Hypertension Diagnostics Laboratory, Department of Nephrology, Kidney Transplantation and Hypertension, The Children's Memorial Health Institute, Warsaw, Poland
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Date of birth	13 August 1989
Languages	Polish (native), English (fluent)

Professional profile

Paediatric nephrologist, clinical transplantologist and hypertension specialist with leadership experience in dialysis, hypertension diagnostics, paediatric kidney transplantation and cardiovascular assessment in children with kidney disease. Research focuses on paediatric hypertension, central blood pressure, vascular ageing, hypertension-mediated organ damage, chronic kidney disease, dialysis, transplantation, and kidney size normative values.

Education and academic degrees

- 2023: Doctor habilitatus / DSc in medical sciences, The Children's Memorial Health Institute, Warsaw. Habilitation based on a series of six publications entitled "Hemodynamic phenotype and vascular changes in children and adolescents with arterial hypertension".
- 2020: PhD in medical sciences, The Children's Memorial Health Institute, Warsaw. Dissertation: "Assessment of the prevalence of spurious hypertension and related risk in children and adolescents with arterial hypertension".
- 2008-2014: MD, II Faculty of Medicine, Medical University of Warsaw.
- 2014-2015: Postgraduate studies in organisation and management in health care, ALMAMER College, Warsaw.

Clinical specialisations

- Paediatric nephrology, 2021.
- Clinical transplantation, 2023.
- Hypertension, 2024.

Professional appointments

- 2023-present: Professor of the Institute, Department of Nephrology, Kidney Transplantation and Hypertension, The Children's Memorial Health Institute, Warsaw.
- 2023-present: Head of the Dialysis Unit and Head of the Hypertension Diagnostics Laboratory, The Children's Memorial Health Institute, Warsaw.
- 2023-present: Centre of Postgraduate Medical Education (CMKP), lecturer/professor; course director for "Dialysis Therapy" for paediatric nephrology trainees.
- 2020-2023: Assistant Professor, Department of Nephrology, Kidney Transplantation and Hypertension, The Children's Memorial Health Institute, Warsaw.
- 2015-2020: Assistant, Department of Nephrology, Kidney Transplantation and Hypertension, The Children's Memorial Health Institute, Warsaw.
- 2014-2015: Trainee doctor, Miedzyleski Specialist Hospital, Warsaw.

Research metrics

- 105 peer-reviewed publications as first author or co-author, including 63 original articles, 38 review papers and 4 case reports.
- Total journal impact factor: 357.149; Polish Ministry score: 7959; Scopus h-index: 19; 993 Scopus citations (as of 3 June 2026).
- Editor/co-editor of 9 monographs and author/co-author of 41 book chapters.

Main research and clinical interests

- Paediatric hypertension, central blood pressure, pulse wave analysis, arterial stiffness and hypertension-mediated organ damage.
- Cardiovascular risk in children with chronic kidney disease, dialysis and kidney transplantation.
- Kidney length and volume normative values in children and adolescents, including implementation of an online calculator for clinicians.
- Paediatric dialysis, kidney transplantation, and transition of adolescents with kidney disease and hypertension.

Selected research projects and networks

- 4C Study (Cardiovascular Comorbidity in Children with Chronic Kidney Disease): investigator performing cardiovascular assessments in Polish and international centres;
- 3H Study: effects of haemodiafiltration versus conventional haemodialysis on growth and cardiovascular markers in children; local study coordinator.
- Autosomal Dominant Polycystic Kidney Disease Registry: local coordinator at the Children's Memorial Health Institute.
- COST Action CA19115, Network for blood pressure research in children and adolescents: Management Committee substitute.
- Kidney length and kidney volume normative values in healthy children and adolescents: initiator/main investigator of a multicentre study including 1,758 healthy volunteers aged 0-19 years.
- National and institutional projects on paediatric hypertension, cardiovascular risk, kidney disease and nutrition.

International experience

- Children's Hospital of Eastern Ontario, Division of Nephrology, Ottawa, Canada: research/clinical visits in 2018 and 2019; invited lectures and collaborative publications.
- Great Ormond Street Hospital, London, United Kingdom: clinical fellowship, October-November 2022, supported by an ESPN grant.
- Cincinnati Children's Hospital Medical Center, Cincinnati, USA: 3-month fellowship, February-May 2023, supported by the Professor F. Walczak Scholarship of the Polish National Agency for Academic Exchange.

Society membership and service

- European Society for Paediatric Nephrology (ESPN).
- International Pediatric Nephrology Association (IPNA).
- European Society of Hypertension (ESH).
- Polish Society of Paediatric Nephrology and Polish Society of Hypertension.
- Secretary of the Main Board of the Polish Society of Hypertension, term 2024-2026.
- Member of the Bioethics Committee, Scientific Council and Science Committee of the Children's Memorial Health Institute.

Guidelines and expert statements

- Co-author, recommendations of the Paediatric Section of the Polish Society of Hypertension on diagnosis and treatment of arterial hypertension in children and adolescents, 2019.
- Co-author, Polish Society of Hypertension statement on hypertension in young adults, 2022.
- Co-author, Guidelines for the management of hypertension in Poland 2024 - position paper of the Polish Society of Hypertension and Polish Cardiac Society experts, 2025.
- Co-author, institutional recommendations on urinary tract infections and paediatric hypertension diagnostics/therapy at the Children's Memorial Health Institute.

Teaching, mentorship and organisation

- Clinical teaching, seminars and lectures in paediatrics, paediatric nephrology and clinical transplantation for medical students and postgraduate trainees.
- Course director for "Dialysis Therapy" at the Centre of Postgraduate Medical Education for physicians specialising in paediatric nephrology.
- Supervisor of a student volunteer programme in paediatric nephrology since 2018, supporting student participation in clinical work and research.
- Member of scientific and organising committees of national conferences and workshops in paediatric nephrology, hypertension and paediatrics.

Selected awards and distinctions

- ESPN grant for external fellowship at Great Ormond Street Hospital, London, 2019.

- Professor F. Walczak Scholarship, Polish National Agency for Academic Exchange, for 3-month fellowship at Cincinnati Children's Hospital Medical Center.
- Polish Society of Hypertension awards for young researcher, best publication and publication cycles in paediatric hypertension.
- Polish Society of Paediatric Nephrology awards for best publication and best oral presentations.
- Director of the Children's Memorial Health Institute award for outstanding scientific achievements, 2020-2024.
- Top 10 finalist, Puls Medycyny "Supertalents in Medicine 2025".

Selected publications

- Obrycki L, Feber J, Dereziński T, et al. Hemodynamic patterns and target organ damage in adolescents with ambulatory prehypertension. *Hypertension*. 2020;75:826-834.
- Obrycki L, Feber J, Brzezinska-Rajszyś G, Litwin M. Evolution of isolated systolic hypertension with normal central blood pressure in adolescents - prospective study. *Pediatr Nephrol*. 2021;36:361-367.
- Obrycki L, Sarnecki J, Lichosik M, et al. Kidney length normative values in children aged 0-19 years - a multicenter study. *Pediatr Nephrol*. 2022;37:1075-1085.
- Obrycki L, Sarnecki J, Lichosik M, et al. Kidney length normative values - new percentiles by age and body surface area in Central European children and adolescents. *Pediatr Nephrol*. 2023;38:1187-1193.
- Obrycki L, Sarnecki J, Pac M, et al. Kidney volume normative values in Central European children aged 0-19 years: a multicenter study. *Pediatr Nephrol*. 2024;39:2147-2159.
- Sugianto RI, Memaran N, Schmidt BMW, et al. Findings from 4C-T Study demonstrate an increased cardiovascular burden in girls with end stage kidney disease and kidney transplantation. *Kidney Int*. 2022;101:585-596.
- Speer T, Schunk SJ, Sarakpi T, et al. Urinary DKK3 as a biomarker for short-term kidney function decline in children with chronic kidney disease: an observational cohort study. *Lancet Child Adolesc Health*. 2023;7:405-414.
- Sugianto RI, Grabitz C, Bayazit A, et al. Stricter blood pressure control is associated with lower left ventricular mass in children after kidney transplantation: a longitudinal analysis of the 4C-T Study. *Hypertension*. 2023;80:1900-1908.
- Grabitz C, Sugianto RI, Doyon A, et al. Long-term effects of kidney transplantation compared with dialysis on intima-media thickness in children - results from the 4C-T Study. *Transplantation*. 2024;108:1212-1219.
- Mencarelli F, Azukaitis K, Kirchner M, et al. Dyslipidemia in children with chronic kidney disease - findings from the 4C Study. *Pediatr Nephrol*. 2024;39:2759-2772.

Selected invited lectures and presentations

- Invited lecture: Isolated systolic hypertension in children and adolescents, University of Ottawa / Children's Hospital of Eastern Ontario, 2018.
- Oral presentations and posters at international meetings including IPNA, ESPN, ESH, the American Society of Hypertension and the International Congress on Hypertension in Children and Adolescents.
- Invited lectures at national meetings on paediatric hypertension, central blood pressure, renovascular hypertension, coarctation of the aorta, proteinuria and kidney ultrasound standards.