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Professional Profile

Dr. Mezei is a physician and epidemiologist with over 25 years of experience in research of clinical outcomes and environmental and occupational health issues. He designed, conducted and evaluated epidemiologic investigations and directed multidisciplinary research programs related to children's health (including childhood leukemia and brain cancer), adult cancers (e.g., leukemia, brain and breast cancer), neurodegenerative diseases (e.g., Alzheimer disease and amyotrophic lateral sclerosis [Lou Gehrig disease]), reproductive health outcomes (including birth defects), occupational injuries and ergonomics.

Dr. Mezei has been involved in studies of various occupational and environmental exposures, including electromagnetic fields (EMF), mineral fibers (asbestos), air pollutants and metals (welding fumes). He has expertise and experience in quantitatively and qualitatively aggregating epidemiologic evidence (via literature reviews, meta-analyses, and pooled analyses) for environmental and occupational risk assessments. Dr. Mezei appeared as an expert in hearings at several state (US) and provincial (Canada) public utility commissions and a parliamentary committee in Ireland.

Prior to joining Exponent, Dr. Mezei directed a multidisciplinary scientific research program at the Electric Power Research Institute designated to address potential human and animal health effects associated with residential and occupational exposure to power frequency and radiofrequency EMF. He also directed occupational health and safety research focusing on injury surveillance, ergonomics evaluations, and occupational exposure assessments. Earlier, at the Toronto Western Hospital, University of Toronto, he conducted research to identify clinical factors affecting hospital stay, adverse clinical and surgical outcomes and hospital readmissions following ambulatory surgery. He was a practicing physician at the National Institute for Dermatology in Budapest, Hungary.

Dr. Mezei trained as a physician (M.D.) at the Semmelweis University of Medicine in Budapest, Hungary, and as an epidemiologist (Ph.D.) at the School of Public Health of the University of California in Los Angeles (UCLA). He was the recipient of Fogarty and Fulbright Fellowships. He served as an affiliate associate professor in the Department of Environmental and Occupational Health Sciences of the University of Washington in Seattle, Washington, as a visiting scientist at the Hungarian National Research Institute for Radiobiology and Radiohygiene in Budapest, Hungary, and as an associate editor at the Journal of Exposure Science and Environmental Epidemiology. Dr. Mezei lectured at Stanford University, the UCLA School of Public Health, and the Electrotechnical Committee of the Hungarian Academy of Sciences. Dr. Mezei is an author or co-author of over 60 scientific publications and book chapters on topics related to the epidemiology of environmental and occupational exposures and chronic diseases (such as cancer and neurodegenerative diseases), adverse clinical outcomes, and environmental exposure assessment.

Academic Credentials & Professional Honors

Ph.D., Epidemiology, University of California, Los Angeles (UCLA), 1995

M.D., Medicine, Semmelweis University of Medicine, 1990

Fogarty Fellowship, 1992-1995

Fulbright Fellowship, 1994-1995

Academic Appointments

Affiliate Associate Professor, Department of Environmental and Occupational Health Sciences, University of Washington, Seattle, 2010-2014

Publications

Correa-Correa V, Núñez-Enríquez JC, Mezei G, Rivera-Luna R, Peñaloza-González JG, Rivas-Carrillo SD, Ortiz-Mejía CG, Flores-Robles C, Velasco-Ramírez E, Alexis Del Real-Gallegos M, Flores-Lujano J, Flores-Pérez FV, Sánchez-Rodríguez G, Ramírez-Reyes AG, López-Aguilar E, Duarte-Rodríguez DA, Anaya-López S, Pérez-Saldívar ML, Chico-Ponce-de-León F, Jimenez-Morales S, González-Carranza V, Mata-Rocha M, Marhx-Bracho A, Rosas-Vargas H, Godoy-Esquivel AH, García-Cortés J, Delgadillo-Bono O, Jaimes G, Ramírez-Marroquín J, Flores-Galicia P, Contreras-Frias C, Campos-Rodríguez UE, Hernández-Chávez E, Meléndez-Zajgla J, Medina-Sanson A, Mejía-Aranguré JM. Extremely low-frequency magnetic fields (ELF-MF) and radiofrequency: Risk of childhood CNS tumors in a city with elevated ELF-MF exposure. Environ Res. 2025; 286(Pt 2):122858. With erratum; Environ Res. 2025; 286(Pt 3):123001.

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Kheifets L, Crespi C, Hooper C, Oksuzyan S, Cockburn M, Ly T, Mezei G. Epidemiologic study of residential proximity to transmission lines and childhood cancer in California: Description of design, epidemiologic methods and study population. Journal of Exposure Science and Environmental Epidemiology 2015; 25(1):45-52.

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incidence and functional impact of transient neurologic symptoms associated with 1% vs 5% hyperbaric lidocaine in short urologic procedures. Anesthesiology 2003; 98(2):485-494.

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Chung F, Mezei G, Tong D. Adverse events in ambulatory surgery: A comparison between elderly and younger patients. Canadian Journal of Anesthesia 1999; 46(4):309-321.

Chung F, Mezei G. Adverse outcomes in ambulatory anesthesia. Canadian Journal of Anesthesia 1999; 46(5/II):R18-34.

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Chung F, Mezei G, Tong D. Pre-existing medical conditions as predictors of adverse events in day-case surgery. British Journal of Anaesthesia 1999; 83(2):262-270.

Mezei G, Chung F. Return hospital visits and hospital readmissions after ambulatory surgery. Annals of Surgery 1999; 230(5):721-727.

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Book Chapters

Moolgavkar SH, Chang ET, Mezei G, Mowat FS. Epidemiology of mesothelioma. Chapter 3. In: Asbestos and Mesothelioma. Testa J (Ed.). Springer Nature. Pages 43-72, 2017.

Mezei G, Vergara X. Adult cancer and extremely low-frequency magnetic fields. In: Röösli M. Epidemiology of Electromagnetic Fields, Chapter 10, pp 161-184. CRC Press, Taylor & Francis Group, Boca Raton, Florida, 2014.

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Aw TC, Cockcroft A, Durrington, Harrington JM (Eds.), Chapter 56, pp. 675-681, Hodder Arnold, United Kingdom, 2010.

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