



Prof. Mandar S. Jog, Professor, Neurology, Western University

Biography: Mandar S. Jog, MD, FRCPC, is the Director of the National Parkinson Foundation Centre of Excellence in Parkinson Disease and Movement Disorders Program at London Health Sciences Centre and a Professor of Neurology at Western University, both in London, Ontario, Canada. He also serves as one of the Associate Directors of the Lawson Health Research Institute.

Dr. Jog completed his Neurology training in Toronto and a fellowship in movement disorders with Dr. Anthony Lang. He then pursued a 4-year post-doctoral fellowship in Computational Neuroscience at the Massachusetts Institute of Technology (MIT) in Boston, Massachusetts, under Dr. Ann Graybiel, followed by a visiting professorship at the Stanford Research Institute (SRI Inc.) in California.

In addition to his large clinical practice, Dr. Jog supervises many master's, PhD, and post-doctoral research and clinical fellows in his laboratory. He holds 6 patents and 4 provisional patents for innovative technology and is the co-founder of Medtronic Inc., as well as the founder of ManJog Enterprises Limited and MDDT Inc. His research aims to explore the structure and function of the basal ganglia and their role in movement disorders.

Dr. Jog has published over 300 papers and delivered more than 300 national and international presentations. His research focuses on: (i) Technology for the assessment and treatment of movement disorders; (ii) Speech; (iii) Gait, balance, and posture, as well as spinal cord stimulation; (iv) Animal models and electrophysiology of the basal ganglia; (v) Human intraoperative electrophysiological recording; and (vi) Computational and mathematical modeling of information processing in the brain.

He travels internationally to conduct workshops and courses and is involved in numerous speaking engagements. Dr. Jog has also published two books, including one on the mathematical basis of information processing in the brain. Additionally, he participates in many national and international clinical trials for new treatments for movement disorders.

Dr. Jog has received several awards, including the Dean's Award for Excellence in Research (2012), the Queens Diamond Jubilee Award (2013), the Faculty Scholar Award (2014), the President's Award for Innovation (2014) from the London Health Sciences Centre, the Strategic Research Fund Award (2015) from the Lawson Health Research Institute, and the Lawson Innovation Award (2018).