

Dr. Mojgan Hodaie

Staff Neurosurgeon at the Toronto Western Hospital at University Health Network

Toronto, ON, CA

Dr. Mojgan Hodaie is an associate professor of surgery at the University of Toronto and a scientist at Krembil Research Institute (Krembil).

Description

Dr. Hodaie completed her Neurosurgery residency and fellowship in Stereotactic and Functional Neurosurgery at the University of Toronto. Her field of clinical expertise and research interest include neuromodulation for the treatment of movement disorders and pain, surgical treatment of trigeminal neuralgia and Gamma Knife radiosurgery. She is currently an Associate Professor of Surgery, surgical co-director of the Joey and Toby Tanenbaum Gamma Knife Radiosurgery unit at the Toronto Western Hospital and associate member, Institute of Medical Science, Faculty of Medicine.

She has an active research lab focusing on the role of structural MRI techniques such as cortical thickness analysis and diffusion tensor imaging/tractography. Current lab projects explore methods in which these imaging techniques can pinpoint key neuroanatomical signatures in different pain syndromes, and their utility as imaging adjuncts in surgical diagnosis and treatment. Dr. Hodaie also has a strong interest in international neuroscience and neurosurgical education. She has pioneered and enlisted international collaboration in the application of new educational tools in the field of neurosurgical education in the developing world, focusing on structured online course modules in neurosurgery.

Industry Expertise

Education/Learning, Health Care - Providers, Research, Writing and Editing, Health and Wellness

Topics

Neuroscience, Neurosurgery, Medicine, Surgery, Neuroimaging, MRI, Pain Management

Affiliations

The Gamma Knife Radiosurgery Unit at the Toronto Western Hospital : Surgical Co-Director, Hodaie Lab : Principal Investigator

Past Talks

Neuroimaging: Pain and Psychiatry

American Society for Stereotactic and Functional Neurosurgery 2016 Biennial Meeting

Education

University of Toronto

Residency and Fellowship Stereotactic and Functional Neurosurgery

Queen's University

Ph.D. Medicine

Accomplishments

Bernard Langer Surgeon Scientist (2013)

Dr. Hodaie was granted the Bernard Langer Surgeon Scientist award by the Faculty of Medicine at the University of Toronto and the Division of Neurosurgery Alan Hudson Faculty teaching award for 2013.

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