



Maheen Mausoo Adamson

- Clinical Professor (Affiliated), Neurosurgery
- Staff, Neurosurgery Operations

Bio

BIO

Dr. Maheen Mausoo Adamson is a Clinical Professor of Neurosurgery (Affiliated) at Stanford School of Medicine, Director of Research for Women's Operational Military Exposure Network Center of Excellence (WOMENCOE), and Senior Scientist for Rehabilitation Services at VA Palo Alto Healthcare System. Adamson completed her undergraduate degrees in neurobiology and women's studies at the University of California, Irvine. She completed her Ph.D. in neuroscience from the University of Southern California and a postdoctoral fellowship in Psychiatry and Behavioral Sciences at Stanford School of Medicine. She also has a Masters in Healthcare Leadership from the School of Public Health from Brown University and is a faculty fellow for Stanford Byers Biodesign Program.

Dr. Adamson's expertise and interests span employing translational neuroscience methodologies for diagnostic and neuromodulation treatments (such as repetitive Transcranial Magnetic Stimulation (rTMS)) for frequent health problems in patients with Traumatic Brain Injury (TBI), psychiatric problems, and Alzheimer's disease. She has employed advanced structural and functional imaging modalities and biomarker assessments for treatment response and diagnosis in Veteran, active military, and civilian populations with these health problems. She has been a leader in identifying sex differences in brain injury, particularly in the Veteran population. She currently serves as PI and Site-PI on numerous neuromodulation clinical trials and collaborates internationally to develop advanced diagnostic methods in neuroimaging, especially in underserved communities. As Director of the Adamson Lab, she is actively involved in translating research, such as neuromodulation and virtual and augmented reality, into clinical settings.

In her new role as Research Director of WOMENCOE, she is developing the research and education center to investigate and disseminate findings on the impact of military environmental exposure on reproductive health, cancer, psychiatric illness, cognitive decline, and other women's health issues. This network is funded by the VA Health Outcomes Military Exposure Center under Department of Veterans Affairs

Dr. Adamson is also the lead PI of ENIGMA-PAK study that aims to Leverage Consanguinity in Pakistan to Uncover the Genomic Architecture of Alzheimer's Disease. She has received recognition in national and international settings and serves on several editorial and industry advisory boards. She is also CEO and founder of her digital health startup Soof Solutions Inc which uses eye tracking for communication in individuals lacking the power of speech. She is also intricately involved in mentoring postdoctoral fellows, residents, undergraduates and high school students in STEM careers.

INSTITUTE AFFILIATIONS

- Member, Wu Tsai Human Performance Alliance