

APFUS 2024

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Dr. SHIRO HORISAWA

Tokyo Women's Medical University

Dr Horisawa is a director of stereotactic and functional neurosurgery, Tokyo Women's Medical University. His surgical techniques include radiofrequency thermal coagulation, deep brain stimulation, gamma knife, focused ultrasound, intrathecal baclofen, spinal cord stimulation and peripheral nerve neurotomy. He has more than 1500 experiences in stereotactic brain surgery and more than 50 international papers as first or corresponding author. He became the youngest member of the WSSFN board of directors in 2017. He has received numerous international awards and competitive research funds. His current research focuses on clinical studies of deep brain stimulation for the cerebellum and focused ultrasound for the pallidothalamic tract, as well as the effects of pallidothalamic tract surgery on movement disorders, epilepsy, and psychiatric disorders. He is now beginning to launch the study of brain machine interface and artificial intelligence for movement disorders.