



Weill Cornell Medicine Neurological Surgery



JARED KNOPMAN, MD

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SURGICAL SPECIALTIES & CLINICAL EXPERTISE

Brain Aneurysm	Embolization of Brain Aneurysms
Arteriovenous Malformation	Cerebrovascular Surgery
Carotid Artery Disease	Stroke
Trigeminal Neuralgia	Carotid Endarterectomy
Spinal Disease	Interventional Neuroradiology
Meningioma	Presurgical Tumor Embolization
Subdural Hematoma	Intra-arterial Chemotherapy
Hemifacial Spasm	Spinal Cord Stimulation

Jared Knopman, MD, is a board-certified neurosurgeon and interventional neuroradiologist who specializes in cerebrovascular disorders, including aneurysms, AVM's, brain tumors, and carotid occlusive disease. He has expertise in embolization of aneurysms and AVM's, carotid stenting/endarterectomy, and intra-arterial chemotherapy. He also performs spinal cord stimulation and microvascular decompression for chronic pain syndromes and trigeminal neuralgia. Dr. Knopman is one of the few neurosurgeons in New York City with dual expertise in both open neurosurgical as well as minimally invasive interventional techniques for the treatment of neurologic disease, which affords him a unique perspective in determining the optimal treatment for each individual patient's needs using the most cutting-edge technologies. He performs nearly 700 neurosurgical cases per year, one of the highest volume neurosurgeons in the country. Dr. Knopman has been named to the SuperDoctors list, a distinction afforded the top 2.5% of physicians in his field. His expertise is widely sought and he serves as a consultant to other neurosurgeons, travelling the country to proctor them in advanced stenting techniques for complex aneurysms. Most recently, Dr. Knopman developed a minimally invasive endovascular technique to treat subdural hematoma, the only such described procedure in the world as an alternative to traditional open surgery.

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TRAINING

Dr. Knopman received a bachelor's degree and graduated cum laude and with honors from Northwestern University. Dr. Knopman received an MD from Mount Sinai School of Medicine, where he was elected to the AOA honor society. Dr. Knopman did his surgical internship and neurosurgical residency, also serving as chief resident, at NewYork-Presbyterian Hospital/Weill Cornell Medical College and Memorial Sloan-Kettering Cancer Hospital. Dr. Knopman did specialized fellowship training in endovascular neurosurgery/interventional neuroradiology at Weill Cornell Medical College. He has surgical and interventional expertise in treating a diverse array of diseases of the brain and spine.

RESEARCH

Dr. Knopman has extensive research experience in the area of minimally invasive neurosurgery and has published both articles and book chapters pertaining to the treatment of degenerative spinal disease, brain tumors, and aneurysms utilizing the most innovative, least invasive approaches. He has pioneered research in the endovascular treatment of subdural hematomas and was the first physician worldwide to successfully treat this disease with this minimally invasive technique in lieu of open surgery. He is the National PI of the EMBOLISE trial, the seminal trial designed to evaluate the role of middle meningeal artery embolization in the treatment of subdural hematoma. He was one of the original authors of a novel trial of super-selective treatment of malignant brain tumors using targeted chemotherapy, as featured in *The New York Times*, and he has subsequently expanded this technique to children. He frequently lectures both nationally and internationally. Dr. Knopman was awarded the prestigious CNS/Micrus Endovascular Neurosurgery grant as well as the Leonard and Fleur Harlan Clinical Scholarship for his research in vascular disease. In addition, he is the Principal Investigator at Weill/Cornell of an NIH-funded study utilizing topical antibiotics to lower the risk of infection after brain surgery. This is the only such trial occurring in the country.

CLINICAL LOCATION

Weill Cornell Medicine Neurological Surgery
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CONTACT

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