



Weill Cornell Medicine Neurological Surgery



PHILIP E. STIEG, PH.D., M.D.

Professor and Chairman of Neurological Surgery
Neurosurgeon-in-Chief
Weill Cornell Medicine Neurological Surgery
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SURGICAL SPECIALTIES & CLINICAL EXPERTISE

Aneurysm and Hemorrhage

Brain Tumors

Endarterectomy

Carotid Artery Disease

Acoustic Neuroma

Arteriovenous Malformation (AVM)

Trigeminal Neuralgia Surgery

Meningioma

Hemifacial Spasm

Vascular Malformations

Skull Base Surgery

Cerebrovascular Disease

Dr. Philip E. Stieg is a world-renowned, board-certified neurosurgeon with expertise in cerebrovascular disorders, brain tumors, and skull base surgery. He is the chairman and founder of the Weill Cornell Medicine Department of Neurological Surgery, the leading center for neurosurgical patient care in New York City. He has appeared on the list of Castle Connolly's "Best Doctors in America" every year for more than two decades. Dr. Stieg is internationally known as a lecturer dedicated to the training of other neurosurgeons, and is the host of the popular podcast called *This Is Your Brain With Dr. Phil Stieg*, which explores the many wonders of the brain.

Dr. Stieg is a past president of the Brain Tumor Foundation, the New York board of the American Heart and Stroke Association, and the Society of University Neurosurgeons. He has contributed to the Joint Sections of Cerebrovascular Surgery of the American Association of Neurological Surgeons and Congress of Neurological Surgeons (AANS/CNS), where he now assists in the capacity of past chairman. Dr. Stieg is the recipient of multiple awards and honors, and in 2018 he was presented with the Ellis Island Medal of Honor for his achievements in neurosurgery. Weill Cornell Medicine honored him in 2023 with the 40th Maurice Greenberg Distinguished Service Award, which recognizes an outstanding individual for exceptional and longtime service.

Dr. Stieg is a widely published author and editor, and his credits include the definitive
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2006 textbook on AVMs, *Intracranial Arteriovenous Malformations*. He recently published an updated textbook, *Intracranial Arteriovenous Malformations: Essentials for Patients and Practitioners* (Elsevier, 2023) which he edited with Alexander A. Khalessi and Michael L.J. Apuzzo. Dr. Stieg serves as an advisor to the Defense Department on brain injury and is frequently featured in the media for his expertise and commentary on breaking news in healthcare.

TRAINING

Dr. Stieg received his B.S. degree from the University of Wisconsin at Madison (1974), his Ph.D. in Anatomy and Neuroscience from Union University (1980), and his M.D. from the Medical College of Wisconsin in 1983. He trained at the University of Texas Southwestern Medical School (Parkland Memorial Hospital) with Drs. Duke Samson and Hunt Batjer while completing a fellowship in cell transplantation for restorative neurological function at the Karolinska Institute in Stockholm, Sweden. After completing his postgraduate training, in 1989 Dr. Stieg joined the faculty of the Harvard Medical School, Brigham and Women's Hospital, and Children's Hospital of Boston. In 2000 he was recruited by NewYork-Presbyterian/Weill Cornell Medical Center to become the founding chairman of its new Department of Neurological Surgery.

RESEARCH

Dr. Stieg's research interests include cerebral protection as well as restorative function. He is also interested in neural transplantation and neuronal regeneration after stroke. His initial studies focused on understanding the mechanisms of injury in the central nervous system after trauma. His laboratory was one of the first to develop and characterize primary cultures of astroglial cells.

Dr. Stieg's expertise in cerebrovascular disorders combines with his research interests in stem cell biology and cerebral transplantation for restoring neurological function. Dr. Stieg has implemented a multifaceted and integrated approach to the management of neurosurgical disorders such as carotid artery disease, vascular malformations, aneurysms, epilepsy, brain tumors, trauma, pediatric disorders, spinal cord problems, and functional diseases, including Parkinson's disease.

CLINICAL LOCATIONS

Weill Cornell Medicine
Neurological Surgery
1305 York Avenue, 9th floor
New York, NY 10021

NewYork-Presbyterian/Weill Cornell Medical Center
Starr Pavilion, Room 651
525 East 68th Street
New York, NY 10065

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