

PACIFIC STROKE & NEUROVASCULAR CENTER AT PACIFIC NEUROSCIENCE INSTITUTE

The Pacific Stroke & Neurovascular Center offers advanced treatment options for all complex neurovascular diseases, including stroke, brain aneurysms and vascular malformations. Our four centers across Los Angeles perform advanced endovascular and neurosurgical treatment and are designated as LA County EMS Comprehensive Stroke Centers. With the Get With The Guidelines® – Stroke Gold Plus Quality Achievement Award and Target: Stroke Elite Plus Honor Roll, our specialists are recognized for our success in implementing high standards of stroke patient care meeting national, evidence-based recommendations across our hospital affiliates.

Utilizing the latest endovascular and open microvascular techniques, our highly-skilled stroke neurologists, neurocritical care doctors, interventional neuroradiologists and vascular neurosurgeons comprise the core of our multidisciplinary team providing comprehensive, personalized care. This includes immediate access to IV thrombolysis, as well as advanced endovascular thrombectomy for stroke which has revolutionized stroke care. Patients suffering intracranial hemorrhage or aneurysmal subarachnoid hemorrhage are treated in a highly personalized manner with minimally invasive stereotactic clot evacuation, minimally invasive endovascular embolization, or microvascular neurosurgery.

To identify optimal treatments for cerebral aneurysms, our medical specialists provide a customized treatment plan for each aneurysm patient. This includes close monitoring and medication optimization, minimally invasive endovascular therapy by flow diversion or coiling, or microsurgical aneurysm treatment.

PATIENT & CAREGIVER SUPPORT GROUPS

Facilitated by an amazing stroke survivor, the support groups at PNI-Santa Monica help stroke survivors and family caregivers deal with the aftermath of a stroke. These groups provide a safe forum for talking with other survivors and caregivers, obtaining information on stroke recovery, gathering useful resources and learning new coping skills.

PROVIDENCE SAINT JOHN'S HEALTH CENTER

2125 Arizona Ave., Santa Monica, CA 90404 | 310-829-8319

PROVIDENCE LITTLE COMPANY OF MARY MEDICAL CENTER TORRANCE

4201 Torrance Blvd., #520, Torrance, CA 90503 | 424-212-5340

PROVIDENCE SAINT JOSEPH MEDICAL CENTER

501 S. Buena Vista Ave., Burbank, CA 90505 | 818-847-6049

PROVIDENCE HOLY CROSS MEDICAL CENTER

11550 Indian Hills, #261, Mission Hills, CA 91345 | 818-847-6570

CONDITIONS WE TREAT/EVALUATE:

- Arteriovenous Malformations (AVMs)
- Brain Aneurysms: Ruptured and Unruptured
- Carotid Artery Disease and Stenosis
- Carotid Cavernous Fistula
- Chronic Subdural Hemorrhage
- Dural Arteriovenous Fistula (DAVF)
- Idiopathic Intracranial Hypertension
- Intracranial Atherosclerosis
- Epistaxis
- Pulsatile Tinnitus
- Spinal AVMs and Spinal DAVFs
- Venous Sinus Occlusive Disease
- Head, Neck and Facial Vascular Malformations
- Stroke - Acute Ischemic & Hemorrhagic

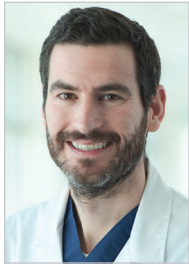
PROCEDURES WE PERFORM:

- Brain Aneurysm Embolization (Coiling, Stents, Flow-diversion)
- Carotid Stenting/Angioplasty
- Intracranial Stenting/Angioplasty
- Transcatheter Embolization for Vascular Malformations
- Transcatheter Embolization for Epistaxis
- Middle Meningeal Artery Embolization for Subdural Hemorrhage
- Thrombectomy for Acute Large Vessel Occlusion Stroke
- Pre-operative Tumor Embolizations
- Transvenous Catheterization, Stenting/Angioplasty
- Sclerotherapy
- Balloon Test Occlusion
- Wada Testing
- Diagnostic Spinal Arteriography
- Diagnostic Cerebral Angiography

COMPREHENSIVE STROKE CENTER (CSC)

During acute ischemic stroke, 1.9 million brain cells are dying every minute. Rapid access to a Comprehensive Stroke Center is essential to minimize disability and death. Our Comprehensive Stroke Centers have worked closely with Los Angeles County EMS to provide State of the art Stroke care at Providence Saint John's Health Center In Santa Monica, Providence Saint Joseph Medical Center in Burbank, Providence Little Company of Mary Medical Center in Torrance, and Providence Holy Cross Medical Center. This care includes every advanced aspect of stroke care available including thrombectomy and minimally invasive treatment for brain aneurysms and vascular malformations.

Thrombectomy is a minimally invasive procedure that can be used to treat acute ischemic stroke for up to 24 hours after stroke onset. Acute ischemic stroke is often the result of a blood clot traveling to the brain, obstructing normal blood flow and quickly causing brain damage or death. To perform thrombectomy, a narrow catheter is navigated from the femoral artery (in the groin) to the arteries of the brain, where one or more specialized techniques are used to mechanically remove the blood clot(s), thereby restoring normal blood flow and saving brain tissue. In collaboration with local EMS, faster door-to-device times result in better clinical outcomes.



JASON TARPLEY, MD, PHD

Director, Stroke & Neurovascular Center
Neurointerventional Surgeon

Dr. Tarpley specializes in minimally invasive endovascular treatment of complex neurovascular disorders with special expertise in brain aneurysms, stroke, carotid artery stenosis, vascular malformations, and chronic subdural hemorrhage. As an internationally recognized expert in neurovascular care he brings the latest, evidence based, minimally invasive treatments to his patients. pacificneuro.org/tarpley



SAMUEL HOU, MD, PHD

Director, Stroke & Neurovascular Center
Interventional Neuroradiologist

Dr. Hou specializes in surgical techniques for the endovascular treatment of acute ischemic stroke, brain aneurysms, arteriovenous malformations and arteriovenous fistulas of the brain and spine. Both a clinician and scientist, Dr. Hou advances and optimizes patient care through minimally invasive treatment of complex neurovascular diseases. pacificneuro.org/hou



WALAVAN SIVAKUMAR, MD

Director, Stroke & Neurovascular Center
Neurosurgeon

Dr. Sivakumar is a neurosurgeon specializing in complex cranial surgery, with a focus on minimally invasive and endoscopic techniques. He provides treatment for tumors of the brain, skull base, and pituitary in addition to cerebral aneurysms, arteriovenous malformations and carotid stenosis. He employs keyhole techniques, utilizing advanced technology and microsurgical techniques to minimize collateral damage to the brain. pacificneuro.org/sivakumar



ADI IYER, MD, MS

Director, Stroke and Neurovascular Center
Neurosurgeon & Interventional Neuroradiologist

Dr. Iyer is a fellowship-trained neurosurgeon with a focus on vascular diseases of the brain and spine. As one of California's few dual-trained neurosurgeons, Dr. Iyer is able to offer both minimally invasive open surgical techniques as well as incisionless catheter based procedures to treat patients with strokes, aneurysms, AVMs, tumors and facial pain. pacificneuro.org/liyer



SANDRA NARAYANAN, MD

Director, Stroke Program
Vascular & Interventional Neurologist

Dr. Narayanan is a board-certified vascular neurologist and neurointerventional surgeon. Skilled in a wide range of adult and pediatric diagnostic and neuroendovascular procedures, she is also experienced in prehospital and acute stroke diagnosis and management, telestroke assessments, and secondary stroke prevention. pacificneuro.org/narayanan



CHRISTOPHER PUTMAN, MD

Interventional Neuroradiologist

Dr. Putman treats complex intracranial, head and neck, and spine vascular conditions including acute stroke, cervical and intracranial stenosis, vascular malformations, cerebral aneurysm and venous occlusive diseases. He specializes in brain aneurysm treatment, carotid artery stenting, middle meningeal artery embolization for chronic subdural hemorrhage, dural arteriovenous fistula (DAVF) treatment, and arteriovenous malformation (AVM) treatment. pacificneuro.org/putman



ASHKAN MOWLA, MD

Neurointerventional Surgeon

Dr. Mowla specializes in minimally invasive endovascular procedures to treat conditions and diseases of the brain and spine, including stroke, brain aneurysm, brain and spine arteriovenous malformation and fistula and carotid and intracranial disease. He is a triple board-certified neurologist with fellowship training in stroke and cerebrovascular diseases as well as interventional neuroradiology. pacificneuro.org/mowla

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NEUROSCIENCE
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