

Did You Know the Torrance Memorial Lundquist Neurosciences Institute...



Offers **24/7** advanced stroke care through TeleStroke program



Contains **1** specialized stroke unit and rehabilitation program



Has the **Only** Movement Disorders Clinic in the South Bay



Has **2** dementia specialists – a neurologist and a gerontologist



Is home to the **Only** neuro-oncologist in the South Bay



Is home to **2** endovascular hybrid operating suites



Has **Neurointensivists** in the Neuro ICU



Is participating in **3** stroke care clinical trials available in 2020/21



Has **Neurologists** in the Neuro ICU



Helped **1,344** patients in neurological rehabilitation, including physical, occupational and speech programs in 2020

Awards and Recognition



DNV GL Comprehensive Stroke Center Certification
Torrance Memorial received certification from DNV GL in January 2020. DNV Comprehensive Stroke Center Certification is based on the standards set forth by the Brain Attack Coalition and the American Stroke Association. It affirms the medical center addresses the full spectrum of stroke care – diagnosis, treatment, rehabilitation and education – and establishes clear metrics to evaluate outcomes.

The American Heart Association and American Stroke Association recognizes Torrance Memorial Medical Center with two achievement awards: **Get With The Guidelines – Gold Plus performance in Stroke program with Honor Roll Elite recognition** and **Target: Type 2 DiabetesSM with Honor Roll recognition**. The programs recognize programs that apply the most up-to-date evidence-based treatment guidelines to improve patient care and outcomes in the communities we serve.



U.S. News & World Report recognizes Torrance Memorial's Lundquist Neurosciences Institute as a **"high performing"** adult specialty program in neurology and neurosurgery.

Cedars-Sinai partnership

Torrance Memorial Medical Center's affiliation with the neurology and neurosurgery team at Cedars-Sinai – ranked among the best hospitals in the nation for neurology and neurosurgery care by *U.S. News and World Report* – means your patients have access to some of the nation's top doctors, the most promising clinical trials, and the latest and best treatments. Cedars-Sinai specialists see South Bay patients at the Institute and collaborate with Torrance Memorial physicians, thereby expanding the availability of world-class neurological care, right here in the South Bay.



TORRANCE MEMORIAL
A CEDARS-SINAI AFFILIATE

Lundquist Neurosciences Institute

Physician Focus



Message from Dr. Shlee Song, Stroke Program Director

Dear Colleague:

As director of both the Torrance Memorial Medical Center and Cedars-Sinai comprehensive stroke programs, it has been my privilege to participate in the evolution and expansion of the Torrance Memorial Lundquist Neurosciences Institute’s services over the past several years.

During this time, the leadership, physicians and staff at Torrance Memorial have worked tirelessly to bring top-notch treatment options for every type of neurological condition to the South Bay community. The Institute’s expertise now includes comprehensive stroke care, advanced neurosurgery and neurovascular surgery capabilities, and the latest treatment options for neuro-spine, neuro-oncology, brain tumors, movement disorders and dementia.

Significant milestones toward building the Institute’s capabilities have included:

- Torrance Memorial’s certification by DNV GL Healthcare as a Comprehensive Stroke Center in January 2020. This certification reflects the highest level of competence for treatment of serious stroke events.
- The continued growth of our neurosurgery and neurovascular surgery program, staffed by highly trained and experienced staff who perform complex neurosurgeries, including vascular, endovascular and brain tumor surgery.
- First- and second-line treatment for complex conditions, such as ongoing stroke and intracranial stenosis.
- Neurological Intensive Care Unit (Neuro ICU), staffed 24/7 by experienced neurointensivists, to care for our most critically ill patients.
- The establishment of a Movement Disorders Clinic with staff that provides treatment, including new medications, botulinum toxin (Botox®) injections and deep brain stimulation (DBS).
- The expansion of the interventional radiology program to include imaging technology, such as VIPRE RapidScan®, that supports faster intervention and significantly improve outcomes.

Additionally, the Institute’s partnership with Cedars-Sinai allows us to participate in groundbreaking research efforts in the areas of stroke and brain cancer, while also giving our patients access to the latest clinical trials before they become available to the public.

When considering where to refer your patients who live in the South Bay area, look no further than the Lundquist Neurosciences Institute. Our top-level diagnostic and treatment capabilities mean that South Bay patients don’t have to choose between local access and high-quality care – we are proud to provide both.

Best Regards,

Shlee Song, MD
 Director of the Stroke Program at Torrance Memorial Medical Center and Cedars-Sinai Medical Center

Brain tumor

Leading-edge treatment for all types of brain tumor, both primary and metastatic:

- Advanced options in neurosurgery, radiation oncology, and neuro-oncology, including minimally invasive procedures such as keyhole surgery
- Personalized treatment based on genetic analysis of tumor type
- Access to the latest clinical trials, including genomic and immunotherapy options

Neurology

Specialized neurological care for conditions that include migraine and headache, endocrine conditions, and movement disorders:

- Collaborative approach to diagnosis and evaluation
- Advanced personalized treatment plans and options
- 24/7 physician coverage

Neurosurgery and Neuro-spine

The latest minimally invasive treatments for brain tumors, cerebrovascular disorders, spine disorders and other neurological conditions using advanced techniques and technologies:

- Stereotactic radiosurgery
- Interventional neuroradiology
- Endoscopic surgery
- Image-guided surgical navigation
- Microneurosurgery
- Minimally invasive spine surgery
- Non-surgical pain management for spine

Movement Disorders Clinic

Comprehensive services, from diagnosis through treatment and rehabilitation, for all types of movement disorders, including Parkinson’s disease, dystonia, ataxia, and essential tremor:

- Clinic team includes neurologists, neurosurgeons, sub-specialists and rehabilitation specialists
- Leading-edge treatments include new medication options, botulinum toxin (Botox®) injections and deep brain stimulation (DBS)
- Ongoing patient management and monitoring

Neurovascular surgery and neurointervention

Minimally invasive care for routine and complex neurological conditions including:

- Ongoing stroke
- Non-ruptured aneurysm
- Arteriovenous malformations (AVMs)
- Carotid artery disease
- Intracranial stenosis

Neurological Intensive Care Unit (Neuro ICU)

Round-the-clock, comprehensive monitoring and treatment for patients recovering from neurosurgery, neurological disorder, or injury:

- Pathways and protocols overseen by board-certified neurointensivists

Neurological rehabilitation

Comprehensive outpatient and home health neurological rehabilitation services for patients throughout the South Bay community:

- Speech and language therapy
- Occupational therapy
- Physical therapy

Technology

Our commitment to providing top-notch neurological care means investing in advanced technology:

- Brainlab neurosurgery software for routine and complex surgical procedures, with surgical navigation
- VIPRE RapidScan® technology, which uses artificial intelligence to create high-quality images very quickly, saving time when it is most critical
- Telemedicine (TeleStroke), which provides stroke patients with an immediate clinical assessment by a stroke expert, test review, diagnosis and treatment plan

As a certified Comprehensive Stroke Center, Torrance Memorial Medical Center provides patients with advanced treatment for any type of serious stroke or stroke complication. The latest technology, coupled with the expertise of our surgeons and staff, means our stroke team offers a level of competence usually found only at academic medical centers. Our expertise includes:

- Certified DNV GL Healthcare Comprehensive Stroke Center
- Round-the-clock access to specialists at the medical center and at Cedars-Sinai through our TeleStroke program
- Latest brain and blood vessel imaging technology, including VIPRE RapidScan® technology
- Clipping and percutaneous coiling to treat brain aneurysms
- Percutaneous thrombectomies to remove blood clots that cause ischemic strokes
- Neuro ICU, providing patients and families with intensive care, rehabilitation and education services

Comprehensive Stroke Center 2019/2020 data	2019	2020
Minutes to treatment (goal is 60 minutes – “golden hour”)	45	39
Patients treated with IV thrombolytics	90	67
Attempted mechanical thrombectomy procedures	45	33
TeleStroke consults	682	628
AHA Get With The Guidelines® Award	Yes	Yes
Reduction in transfers	44%	75%

Through Torrance Memorial’s relationship with Cedars-Sinai, patients gain access to the latest clinical trials and novel therapies for brain cancer, including precision medicine and immunotherapy.

Research

Specialists at the Lundquist Neurosciences Institute participate in the latest research, including clinical trials to advance stroke treatment:

- WISP study – A new vessel wall imaging-based stroke registry which investigates the clinical utility of the whole-brain intracranial vessel wall magnetic resonance imaging (MRI) technique in assessing the etiologies in patients with ischemic stroke.
- TIMELESS study – Patients receive study drug tenecteplase (or placebo), a one-time drug with a longer half-life than the standard stroke thrombolytic, allowing for a single bolus administration.
- CREST-2 trial – CREST-2 compares three different methods of stroke prevention to find the safest and most effective treatment – intensive medical management alone; intensive medical management in combination with carotid endarterectomy; intensive medical management with carotid stenting. (NOTE: Available at Cedars-Sinai Medical Center only. Torrance Memorial Medical Center eligible subjects can enroll in the trial.)