

The NeuroRehab Center at Huntington Hospital



Responding to a Growing Need

Prospectus and Matching Gift Opportunity

EXECUTIVE SUMMARY

Huntington Memorial Hospital seeks to launch a comprehensive Neurological Rehabilitation (NeuroRehab) Center to provide enhanced diagnostic and therapeutic treatment programs for individuals who are experiencing the effects from brain injury, stroke, or other devastating neurological issues.

Under the leadership of Dr. Sunil K. Hegde, Huntington Hospital Medical Director of Rehabilitation Services, the NeuroRehab Center will bring together a comprehensive and coordinated interdisciplinary team to meet the rehabilitation needs of a wide range of patients with neurological injury or illness.

Matching Funds: Double the Impact of your Gift

A generous matching challenge grant of \$750,000 in support of this exciting new venture has been offered by longtime Huntington Hospital supporters Carol Chen and Harry Tsao and Renata and Talmadge O'Neill. **It means that your generous response to this proposal will be matched \$1 for \$1, doubling the impact of your support.**

THE NEED FOR NEUROLOGICAL REHABILITATION

The NeuroRehab Center will be an important component of Huntington Hospital's distinguished Neurosciences program and will round out the full continuum of care services that we offer patients suffering from the debilitating effects of stroke, traumatic brain injury, Parkinson's disease, movement disorders, or other neurological impairments.

In particular, stroke is the third-leading cause of death in Los Angeles County and the leading cause of disability. Given the aging of our population, the number of people impacted by stroke in our service area is expected to rise in the years ahead.

Huntington Hospital has already responded to this crisis by creating a designated Stroke Center, which has garnered national recognition for its superior clinical services. Today, patients exhibiting signs of stroke who come to our emergency department are being seen and treated far faster than industry standards, dramatically improving their outcomes and, in many cases, preventing any loss of function.

But early detection of stroke is only one part of the broad spectrum of services required to treat stroke patients. A comprehensive approach must begin with stroke prevention, and end with neurological rehabilitation. The \$750,000 NeuroRehab Matching Challenge Grant provides a rare opportunity to complete this picture—to complement our ability to help patients *survive* a stroke with more capacity to help them *recover* through rehabilitation.



Harry Tsao and Carol Chen visiting one of HMH's NeuroRehab patients.



THE NEURO REHAB CENTER: TREATMENT AND PROGRAM COMPONENTS

Generous matching donors Carol Chen and Harry Tsao and Renata and Talmadge O'Neill were first drawn to supporting neurological rehabilitation when they learned of the Ekso bionics system, a form of robotic therapy that promotes return to movement and function in patients with full or partial limb paralysis. As the first site in Los Angeles to adopt this groundbreaking technology, Huntington Hospital is becoming an important rehabilitation destination for patients from throughout the Southern California region.

However, to meet the rehabilitation needs of a wide range of patients with neurological issues, the NeuroRehab Center will include a comprehensive array of physical and cognitive therapies. Highlights include:

Functional evaluation and training. A thorough evaluation is performed to identify functional limitations, and a goal-directed training program is tailored to each individual's unique needs.

Neuropsychological examination provides diagnostic information about the nature and extent of brain dysfunction following an injury, stroke, neurological disease or any other problem which impinges upon normal cognitive functioning.

Cognitive rehabilitation therapy helps an individual acquire the highest level of cognitive functioning and functional independence as possible. Therapy is focused around the person's thinking, attention, perception, memory, problem solving and decision-making skills. It may involve retraining strategies, compensatory skills counseling, environmental modifications, educational and vocational training, and follow up as patients go into their next level of placement, be it work, school, or living at home.

Physiatry focuses on helping the patient become as functional and pain-free as possible in order to participate in and enjoy life as fully as possible. Our program has been developed with the guidance and the supervision of Dr. Hegde, Medical Director, a board certified physician in Physical Medicine and Rehabilitation.

Aquatic Therapy in a heated pool employs the therapeutic properties of water (e.g., buoyancy, resistance) to provide relief of symptoms from a variety of illnesses, traumatic injuries, and other musculoskeletal conditions.

Therapeutic Programs include:

- *electrical stimulation* of the nerves or muscles to stimulate movement in a weak limb
- *partial body-weight-supported treadmill training* uses a harness to reduce the amount of weight a stroke survivor is bearing through the legs
- *virtual reality* using an artificial environment on a television to help patients improve arm or leg movement



- *Balance Laboratory* to assess the causes of compromised balance and map out a scientific strategy for intervention
- *Dysphagia assessment and intervention*, including Barium videofluoroscopy and “vital stimulation” program

Wheelchair Seating and Positioning Center. Individualized seating systems are utilized to promote good posture, enhance breathing and digestion, prevent complications such as pressure sores and skin irritation, slow further loss of mobility, minimize pain, and maximize functioning.

Other traditional **Physical and Occupational Therapy** options include:

- Dressing, grooming, feeding, toileting, and bathing
- Aerobic conditioning, physical strengthening, and flexibility
- Gait analysis and training for in-home ambulation
- Balance training (fall risk assessment and prevention)
- Orthotics management
- Functional cognitive/safety training (computerized)
- Low vision training (computerized)
- Speech and language pathology
- Cognitive retraining for memory and attention as well as organizing and planning

Finally, once outpatient physical and occupational therapy are completed, a **Maintenance Program** helps people maintain and hopefully improve their functional abilities in a supportive, caring environment.

SUMMARY AND CONCLUSION

The NeuroRehab Center at Huntington Hospital is a compassionate and comprehensive response to a devastating health concern—strokes and other neurological impairments, which are expected to increase as our community ages.

Huntington Hospital’s Stroke Center is already renowned for helping save the lives of stroke victims; the NeuroRehab Center carries that responsiveness all the way through a successful recovery.

Thanks to a matching challenge grant of \$750,000 from Carol Chen and Harry Tsao and Renata and Talmadge O’Neill, your gift will be matched \$1 for \$1, giving you twice the power to strengthen our NeuroRehab Center on behalf of patients in need of long-term rehabilitation therapy to significantly improve the quality of their lives.

Thank you for your serious and timely consideration of this rare and transformative opportunity.



Office of Philanthropy
 100 W. California Blvd.
 Pasadena, CA 91109-7013
 626.397-3241