Shore Rehabilitation Institute Technology Advantage

Shore Rehabilitation is proud to offer skilled, compassionate care with cutting edge advanced technologies, specifically in the realm of neurological rehabilitation. Our rehabilitation team provides excellent care to patients with neurological impairments because of the highly specialized training that is provided in the use of each advanced equipment listed below.

Shore Rehabilitation Institute

Technology Name	Description	Patient Benefits
Reo™ Therapy's Reo Go™	Advanced robotic system for upper limb therapy, designed to facilitate three-dimensional repetitive arm movements through the use of an advanced, fully motorized robotic arm.	The system is suited for a wide variety of patients in all stages of stroke recovery, offering five modes of operation ranging from passive support for highly functional patients to guided motion for cases with little or no arm mobility. Enhances patient motivation through a variety of interactive and stimulating games that imitate natural hand movements.
Tibion's Bionic Leg	A Robotic knee brace device used in lower extremity therapy to provide assisted movement, initiated by the patient.	Retrains balance, improves lower extremity weight-bearing and facilitates movements to improve functional tasks such as standing up, walking, and going up and down stairs.
Bioness NESS L300™	A small wireless device that is worn on a patient's leg to help improve walking abilities.	Delivers programmed, low-level electrical stimulation to activate nerves; thus retraining lower leg muscles, increasing motion and blood circulation. Foot Drop System is designed to help people with certain neurological conditions walk more naturally, with increased speed and improved balance.
Bioness NESS H200®	A Hand Rehabilitation System that applies electrical stimulation to the nerves and muscles in the forearm and hand to activate opening and closing of hand to facilitate neuromuscular re-education.	Helps improve hand function and voluntary movement, helping patients return to daily activities with confidence and comfort.
SaeboFlex	A custom-fitted, upper extremity prosthetic-like device for improving strength and dexterity. Saeboflex is compact and portable, and can easily be used to enhance traditional therapeutic regimes and training.	Allows individuals suffering from neurological impairments such as stroke the ability to incorporate their hand functionally, in therapy and at home, by supporting the weakened wrist, hand, and fingers.
Dynavision D2™	A computer LED display board used to improve visual scanning, upper extremity movement quality, eye-hand coordination, and reaction time.	Increases active upper extremity range of motion and coordination, muscular and physical endurance and improves motor planning.
LiteGait®	A body supported harness system that unloads a patient's weight during a training session to provide improved control of posture, weight bearing, and balance.	Allows the patient to work in a safe environment while improving coordination and movement of the body and legs for proper walking patterns.
VitalStim®	A safe and effective treatment for patients experiencing difficulty swallowing.	Increases muscle strength, accelerates cortical reorganization, and increases the effectiveness of swallowing.
Visi-Pitch	Used for voice disorders providing the latest, state-of-the-art, high-fidelity hardware for robust data acquisition and playback.	Provides real time visual biofeedback and auditory feedback to improve both voice and speech/sound production skills. Offers an extensive range of measurements relevant to speech and voice that objectify an individual's baseline performance and subsequent change.