

BIODEX

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Biodex Gait Trainer 3 to be Focal Point in World Parkinson's Congress 2019

HARRISONBURG, VA - Feb. 5, 2019. This June, Biodex is showcasing the latest treadmill technology, the Gait Trainer 3, during fifth triennial World Parkinson's Congress (WPC) in Kyoto, Japan. WPC connects health professionals, patients, researchers, and community members affected by P.D. in an international dialogue about treatment discoveries and the search for a cure.

Following appearances at Medica World Forum for Medicine and International Society of Physical and Rehabilitation Medicine World Congress, the Gait Trainer 3 continues to receive worldwide recognition as a breakthrough in neurological rehabilitation.

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The Gait Trainer 3 has an instrumented deck with real time biofeedback that visually displays and records step patterns to compare a patient's current gait with where his or her footfalls should be. When patients walk on the treadmill, each step and stride is shown alongside the desired foot placement which prompts the patient to lengthen strides, quicken pace and realign symmetry of movement.

Incorporating neurological music into treadmill training makes the Gait Trainer 3 the first of its kind in rehabilitation technology for movement disorders. Auditory cues of specialized music match target stepping with correct beats per minute, providing an additional means of mental motivation for the patient.

“The Gait Trainer 3 hosts a library of informed music, tempo-to-cadence matched selections written and composed by music therapists to inspire correct movement in individuals who have lost function due to brain injury or disease,” says Lila Corwin, Senior Vice President of Marketing Communications for Biodex.

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The rhythm of informed music positively influences how quickly an individual adapts to new gaits due to neuroplasticity and the connection between music and motor function. When patients repeat proper movements directed by the Gait Trainer and auditory cues, motor neurons around damaged brain tissue begin to restructure themselves. This creates newer and more efficient neural pathways.

Combining music-assisted therapy with treadmill therapy and biofeedback has proven to help patients with movement disorders improve their natural gaits at unprecedented rates. Biodex looks forward to presenting the Gait Trainer 3 at this year's WPC to continue building the body of collective knowledge surrounding Parkinson's disease and movement rehabilitation.

To learn more about Biodex or the Gait Trainer 3, visit <http://www.biodex.com/physical-medicine/products/treadmills/gait-trainer-3> or <https://www.facebook.com/BiodexMusicMovesMe>.

To learn more about the World Parkinson's Congress 2019, visit <https://wpc2019.org/page/AboutCongress>.

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About Biodex Medical Systems, Inc.

Biodex Medical Systems, Inc. uses science and technology to drive treatment innovation across physical medicine, nuclear medicine and medical imaging categories. With a history of manufacturing and engineering excellence that spans more than 60 years, the Biodex mission is to provide innovative solutions and customer-driven support to medical facilities and wellness centers around the globe. For more information, visit www.biodex.com.