

The Current



*Helping people regain life thru
neurotechnology*

Spring 2013

Webinars Gain Reach to Disability Community

Webinars are a great way to reach the disability community, plus care-givers and clinicians. Neurotech Network partnered with United Spinal Association to offer a series of webinars focusing on technology. The first was held in February titled "**Paralysis & Exercise: Cutting Edge Fitness for Wheelchair Users**".

The session was well attended with over 160 participants resulting in 1,125 clicks on the United Spinal Association website and 1,385 to the Neurotech Network website. The transcripts and video archives of the webinar are available by [clicking here](#).

Save the dates for two more webinars scheduled for this year.

- June 19: Zap Away the Pain: Neurotechnology and Pain Management
- September 25: Becoming a Lab Rat: Experiences of being a Clinical Trial Participant

Learn more about the upcoming webinars and conferences
by visiting our [Upcoming Conference Page](#).

More Outreach Activities

Look for us and our partners at these events and educational sessions,

- [American Spinal Injury Association Annual Meeting](#), May 5-8
- [Cleveland New Neural Engineering Workshop](#), June 24-26
- [National Veterans Wheelchair Games](#), July 13-18
- [No Barriers Summit](#), August 8-11
- [Neurotechnix](#), International Congress on Neurotechnology, Electronics and Informatics, September 18-20
- [Abilities Expo](#) in Boston, September 20-22

Learn more about our outreach activities and upcoming events on our [Upcoming Conferences Page](#).

Beyond Rehab at Craig Hospital

For people living with neurological conditions, especially those with lingering mobility impairments, rehabilitation services are compacted to a limited number of days. Fortunately, supplemental health and wellness service centers are available to fill the gap. One such independent facility, The PEAK Center at Craig Hospital, offers a variety of health and wellness programs designed to support the greater Denver metropolitan outpatient rehabilitation community. [Learn more about the PEAK Center at Craig Hospital by clicking here.](#)

With the most current products, services, and (neuro) technological advancements in activity based therapy, a membership to The PEAK Center (with physician's approval) may include access to and use of the following:

- Functional Electrical Stimulation (FES) Cycling for lower & upper extremities from [Restorative Therapies](#)
- Mobile Exoskeleton from Ekso
- Zero G Overhead Walking Support System from [Bioness](#)
- WAVE Full Body Vibration Equipment from Power Vibe
- LOKOMAT Robotic Treadmill Trainer from Hocoma
- Elliptical Gait Training Equipment from [Restorative Therapies](#)

The PEAK Center offers a variety of neurotechnology equipment that is financially accessible to its membership. The Center also offers manual use fitness equipment, personal training, pool therapy, group classes and a variety of programs designed to improve the minds, bodies & spirits of its members.

The world class facility can be found here: www.craighospital.org , phone: 303-789-8572 as well as email: cgeorgis@craighospital.org , or visit (3425 S. Clarkson St, Englewood, CO) to start improving your health and Redefine Possible! . [Learn more by clicking here.](#)

New Sponsorship Opportunities

Join our family of sponsors and support our mission to improve the education of and advocacy to access neurotechnology devices, therapies and treatments for people with impairments. Joining has it's benefits of

- Your corporate logo featured on the Neurotech Network website with links to your site.
- Recognition in *The Current* newsletter which has a targeted distribution to the health care industry, medical professionals and the disability community.
- A choice of two white papers from Neurotech Reports.
- Discount of 20% on Special Event sponsorship and outreach appearances.
- New Opportunities for Exclusive Sponsorship on the Neurotech Network website

Get exclusive sponsorship and great branding recognition by sponsoring a Neurotech Network Fact Sheet page or have your product story told through Neurotech Network. Corporate sponsorship is an annual commitment to support our educational efforts.

[Click here for more details.](#)

*Neurotech Network of the Society to Increase Mobility is a 501(c)(3) non-profit organization, FIN: 02-0692279

News of Interest

- Second Sight Medical Products received FDA approval for the first retinal implant for treating the eye disease, retinitis pigmentosa. [Read more here.](#)
- Researchers at Glasgow University will be conducting a clinical trial to use vagus nerve stimulation for the treatment of physical disabilities caused by stroke. [Read more here.](#)
- Recently published in the Journal of Spinal Cord Medicine, results from a study conducted at Kennedy Krieger Institute finds that long-term lower extremity functional electrical stimulation (FES) cycling, as part of a rehabilitation regimen, is associated with substantial improvements in individuals with chronic spinal cord injury. For more information, [click here.](#)
- A new video titled "Australian Story" and produced by ABC tells the story of a person using an EMG sensing device to communicate. [Watch the video here.](#)
- 'Enhancing recovery after traumatic brain injury and spinal cord injury by stimulating raphe nuclei in the brain stem' is the topic of a recent posting on the Neurotech Zone. [To read more, click here.](#)
- In Europe, Medtronic Inc. recently introduced the first implantable neurostimulation system for use in the treatment of chronic pain that is designed for full-body MRI scans under specific conditions. [Click here for more information.](#)
- Cactus Semiconductor recently introduced an ASSP (Application Specific Standard Product) to reduce risk and development time for implantable neurostimulation, neuromodulation and other Implantable Pulse Generator (IPG) applications. [Click here for more information.](#)
- Bringing a new model to neuroscience, the Human Brain Project is a scientific discovery program highlighted in the New York Times article, 'Bringing a Virtual Brain to Life.' [Read the article here.](#)
- Exoskeleton technology is gaining ground not just in the medical setting but now for industrial uses. This is highlighted in the article titled 'Iron Man meets HULC as Lockheed enters the exoskeleton race'. [Read more here.](#)
- Bioness has obtained 510(k) clearance from the FDA for its L300 Foot Drop System to be used in treating foot drop in pediatric patients with cerebral palsy and other neurological diseases. [Read more here.](#)
- Boston Scientific will begin a limited U.S. launch of its Precision Spectra spinal cord stimulation device now that the FDA has approved it for treating chronic pain. [Read more here.](#)
- A recently published article in the Journal of Rehabilitation Medicine titled "The Long-term cost effectiveness of the user of Functional Electrical Stimulation for the correction of dropped foot due to upper motor neuron lesion" may be a great resource for those seeking access to such a device. Reference J Rehabil Med 2013;45:154-160.
- For people living with Multiple Sclerosis, balance problems are among the most common symptoms. Learn about an anti-gravity treadmill device designed to help with balance as well as fatigue. [An article from Momentum magazine is here.](#)
- A new way of providing speech and physical therapy to a stroke survivor is the topic of a recent experiment using a humanoid robot. [Read more there.](#)

- *Rewiring a Damaged Spinal Cord* is the feature of an article from Scientific American that highlights the use of electrical stimulation and neural rehabilitation equipment to improve function. [Click here to read more.](#)
- In a new book *Integral Recovery: A Revolutionary Approach to the Treatment of Alcoholism and Addiction* by John Dupuy, PhD, details the use of Cranial Electrotherapy Stimulation (CES) technology as a key part of treatment. Learn more about [this book by clicking here.](#)

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