

RETHINK HOW WE TREAT STROKE

The IpsiHand™ system is a breakthrough device with a thought-driven, brain-computer interface, designed to facilitate motor recovery of the affected upper extremity after stroke. IpsiHand is an at-home therapeutic for your patients' recovery journey.

IpsiHand harnesses the brain activity of the uninjured hemisphere and encourages new neural pathways to retrain movement of the affected arm or hand. Unlike other device solutions, IpsiHand confers benefits without constant daily wear.



OUTCOMES

The IpsiHand is a clinically-proven system that improves upper extremity movement and functional capability. It's inclusive for users of all levels of motor severity impairment and complements existing therapy routines.

- 100% of IpsiHand users see improvement. Over two-thirds have clinically-backed improvements to their dexterity and range of motion.
- Users of the IpsiHand may notice enhanced mobility in their shoulder, elbow, wrist, and hand, leading to improved functionality.
- Presence of biomarkers in the brain after regular IpsiHand usage demonstrates motor remodeling.

INDICATIONS FOR USE

The Neuroolutions IpsiHand system is prescribed by a physician and is a brain-computer interface (BCI) system which is indicated for use in chronic stroke patients (≥ 6 months post-stroke) age 18 or older undergoing stroke.

CONTRAINDICATIONS

The Neuroolutions System is contraindicated for use in patients having any of the following conditions:

- Severe spasticity or rigid contractures in the wrist and/or digits that would prevent the Neuroolutions Handpiece from being properly fit or positioned for use.
- Skull defects due to craniotomy or craniectomy.

(1) QRS-008, QRS-012, & QRS-013; (2) Bundy DT, Souders L, Baranyai K, Leonard L, Schalk G, Coker R, Moran DW, Huskey T, Leuthardt EC. Contralateral Brain-Computer Interface Control of a Powered Exoskeleton for Motor Recovery in Chronic Stroke Survivors. *Stroke*. 2017 Jul;48(7):1908-1915. doi: 10.1161/STROKEAHA.116.016304. Epub 2017 May 26. PMID: 28550098; PMCID: PMC5482564. Contralateral Brain-Computer Interface Control of a Powered Exoskeleton for Motor Recovery in Chronic Stroke Survivors; (3) TSP-001, TSP-002, TSP-008, User Manual LBL-0001 (Q)

IMPORTANT SAFETY INFORMATION

- System components contain lithium-ion batteries that MUST NOT be exposed to flame, excessive heat, or incinerated; personal injury may occur.
- Only use the Charging Adapters provided with the Neuroolutions System to recharge system components and avoid risk of shock.
- Use of the Neuroolutions System adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, the Neuroolutions System and the other equipment should be observed to verify that they are operating normally.
- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Neuroolutions System. Otherwise, degradation of the performance of the Neuroolutions System could result.
- The Neuroolutions Handpiece enclosure may reach a maximum temperature up to 43°C during use. To reduce the risk of discomfort, you should remove the Handpiece from your hand if the device feels warm on your skin.
- Tight straps on the Handpiece may restrict your circulation. Therefore, always check that the straps are not too tight throughout your range of motion to ensure proper circulation during use.
- The Neuroolutions System should only be used on intact skin, and the System should be cleaned and disinfected regularly to minimize possible contamination and risk of infection.

 Neuroolutions

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 Neuroolutions

BRAIN-ACTIVATED THERAPY FOR STROKE RECOVERY



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IPSIHAND IS A THERAPEUTIC DEVICE FOR STROKE RECOVERY PATIENTS, EMPOWERING USERS TO ACCELERATE PROGRESS AT HOME.

The IpsiHand Upper Extremity Rehabilitation System comprises three components:



THE HEADSET

This non-invasive EEG headset measures electrical signals from the uninjured brain hemisphere, capturing the user's "intent to move" their impaired hand.

THE HANDPIECE

Worn over the user's impaired hand, the wireless neurorobotic handpiece opens and closes at the same time the user thinks about movement.



THE TABLET

Our custom tablets include the Neuroolutions application that guides the user through therapy sessions and provides cloud-based performance and usage feedback.



ARE YOUR PATIENTS THE RIGHT FIT FOR IPSIHAND?

Many stroke recovery patients have the cognitive capabilities, but just don't feel like their brain and body are connecting. IpsiHand is a great fit for motivated patients ready to take ownership in their recovery journey.

Here are three key questions that indicate if your patients might be a good fit for a prescription for IpsiHand:

1.

Is your patient frustrated by a plateau in their stroke recovery?

2.

Is your patient ready to make advancements in regaining use of their upper extremity?

3.

Is your patient looking to enhance their current therapy regimen?

Your patient may be an optimal fit for the IpsiHand system. Patients who could benefit from recovered motor function are ideal candidates for the IpsiHand system. IpsiHand can be implemented as part of your patients' recovery journey. Candidates for the IpsiHand system.

HOW TO OFFER IPSIHAND TO YOUR PATIENTS

The IpsiHand system allows for evidence-based, intense rehabilitation at home, delivering better patient outcomes and satisfaction. We partner with providers and patients to navigate the insurance coverage and prescription process.

Once your patient is prescribed an IpsiHand system, Neuroolutions will take the lead. You can stay connected through **remote patient monitoring** features that make IpsiHand ideal for both in-clinic and self-guided home therapy sessions. Your team can monitor progress through the Neuroolution's web portal.



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