

Speed Rehabilitation.  
Restore Function.



---

## ReGrasp Electrical Stimulation Therapy



Renew Hand Function in Clinic  
and at Home

---

## Intuitive and Easy to Use FES Therapy

**ReGrasp** by Rehabtronics improves active range of motion and hand function with functional electrical stimulation (FES). Simple to use and set-up, ReGrasp is the ideal tool for physicians and therapists to use with their patients to regain hand function.

- Set-it up in five to ten minutes
- No special training required
- Easy to operate with clinically developed pre-optimized settings
- Activate with head motion or tap
- Use ReGrasp for short therapeutic sessions in the clinic or at home
- ReGrasp also assists with daily activities

“*Functional Electrical Stimulation therapy improves hemiparetic upper extremity function.*”

~ Foley et al, Evidence-Based Review of Stroke Rehabilitation, Chp 10: Upper Extremity Interventions, 2013 update.

## Clinically Proven to Speed Recovery



A life-changing tool, ReGrasp was developed based on 30 years of research on FES. Whether your patient is suffering with hemiplegia or upper limb paralysis, ReGrasp is proven to help:

- Improve hand active range of motion and hand function\*
- Re-educate muscles
- Maintain or increase range of motion
- Prevent or retard disuse atrophy
- Increase local blood circulation
- Reduce muscle spasms

\*In patients with hemiplegia or upper limb paralysis due to stroke, traumatic or acquired brain injury, or C5 level cervical spinal cord injury.

“*FES improves pinch, grip strength & ADLs in C5-C6 tetraplegia*”



## Get the Benefits Anytime, Anywhere

ReGrasp offers the benefits of FES technology to everyone who needs it wherever they are. It's designed to fit into the lives of patients during day-to-day activities.

- A controller sits securely behind the ear, allowing patients to control hand function using simple head movements.
- ReGrasp is breathable and washable
- Its thin, fitted profile is discrete and comfortable to wear anywhere

---

## Two FES Modes to Facilitate Recovery

### ReGrasp Exercise Mode

Therapeutic electrical stimulation (TES) Uses cyclical electrical stimulation to exercise muscles.

### ReGrasp FES mode

Functional Electrical Stimulation (FES) generates functional movement with voluntary triggered stimulation, which studies show is the most effective therapy.



# ReGrasp



## The Evolution of ReGrasp

We can thank Arthur Prochazka, a now retired professor in the Neuroscience and Mental Health Institute at the University of Alberta for ReGrasp.

Arthur recognized a lack of effective and accessible technologies for upper-limb and hand rehabilitation due to stroke or spinal injury in the 1980s. He dedicated 30 years to translating neuroscience research into practical tools that help people regain hand and arm function. ReGrasp evolved from an electric garment innovation called the Bionic Glove, which assisted hand grasp and release.

---

### What's included?

- A controller that sits behind the ear allows patients to control hand function with simple head movements
- A breathable and washable glove that is thin and fitted for comfort every day
- A controller that fits in the glove with TES and FES therapeutic modes



#4350, 10230 - Jasper Avenue  
Edmonton, AB  
Canada T5J 4P6

T: +1 780 701 5167  
Toll Free – Canada/U.S.: 1 800 481 3214  
E: [inquiries@rehabtronics.com](mailto:inquiries@rehabtronics.com)

[www.rehabtronics.com](http://www.rehabtronics.com)