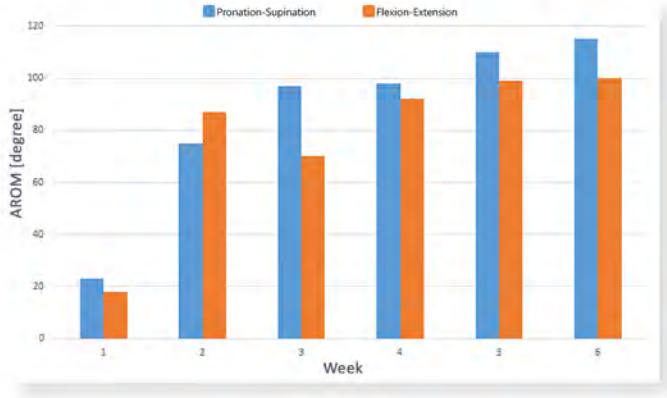
Clinical Study

CR2-Haptic had been the tested by stroke survivors in clinical study. Result shows one of the studied patient's improvement their total active range of movement (AROM) for forearm pronation-supination and wrist flexion-extension after trained for 6 weeks.



Testimonials

- **Mr. Soong (Stroke survivor)**
  "I'm very happy with the device, it improve my motivation and my vision capability where I can now be more focus on the moving object in game."
- **Mdm. Wong (Stroke survivor)**
  "This device is useful for me, as I can see my improvement of my hand movement."
- **Mr. Chan (Stroke survivor)**
  "The device really motivate me to do more training and I realized my hand can move more after training with the device."
- **Mr. Qamer (Physiotherapist, National Stroke Association of Malaysia)**
  "The patient now have more motivation in participating the rehabilitation training. It provides the opportunity for repeated learning trials and offer the capacity to gradually increase the complexity of tasks while decreasing therapist support and feedback."
- **Mdm. Aini (Physiotherapist, National Stroke Association of Malaysia)**
  "This device is really useful for the patient, as the wrist training is very important for hand functional activities."

Contact us for demonstration and pre-order!

For more information, please contact:

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CR2-Haptic

Compact and portable rehabilitation robot

CR2 Compact Rehabilitation Robot

CR2-Haptic

CR2-Haptic is a compact and portable rehabilitation robot which provide exercise training for wrist and forearm movement. The device can be used by elderly people, stroke surviors and others who need exercises for their hand.

Reconfigurable robot for different movement

Provide flexibility for the user to reconfigure the robot for different training movements to fit their requirement using optional robot platform

Training illustration with CR2-Haptic

Pronation-Supination

Ulnar-Radial Deviation

Flexion-Extension

Training modes

Different modes of training were provided to fit various need of users

Passive
Robot will move the hand of the user automatically within the set range of movement

Assistive
Robot will utilize assist-as-needed control strategy to assist user movement.

Active
Robot will exert different levels of resistance to improve muscle strength of movement

Key Benefits

Customizable training with interactive games

Provide custamizable repetitive training and enhance user motivation using various interactive and engaging games

Compact with multiple modular training

Compact robot design that able to provide wide range of optional modular units to train for different functional movement in limited space

Assesment report for progress review

Assessment report enable user to review the performance in term of passive, active range, strength, and game performance.

Programmable tool for developers

APIs are provided for developers to utilize this robot for their own application in the field of biomedical engineering, computer science, bioengineering, robotic, etc.