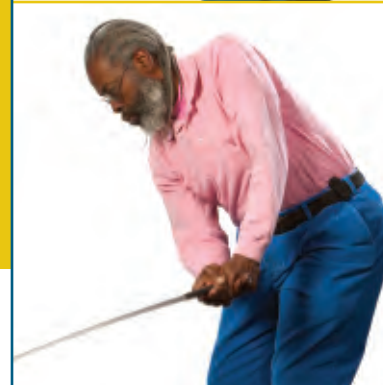
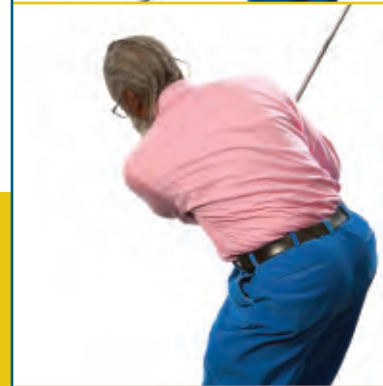


Arm Rehabilitation For Stroke Survivors

Helping your patients soar to new heights.

- Tailwind was specifically designed for survivors of stroke and other brain injuries, who have mild to moderate paralysis on one side of the body
- Also known as Bilateral Arm Trainer with Rhythmic Auditory Cueing (BATRAC)
- Convenient rehabilitation exercise device that can also be used at home
- Provides the possibility of improvement for patients who have reached a plateau in their arm recovery efforts
- A controlled, repetitive exercise that's easy to learn



Freedom

Researchers in physical therapy and rehabilitation science had one goal in mind when they developed this unique home rehabilitation device — improve stroke survivors' upper body movement and flexibility, so patients can take back their lives! Restoring movement can open the door to independence. Independence can help your patients achieve simple daily tasks.

- Reading the newspaper
- Getting in and out of the tub
- Playing catch with the grandchildren
- Pushing a grocery cart
- Gardening
- Holding a stair railing

Flexibility

“We observed the effect the Tailwind repetitive bilateral training had on people who have chronic motor impairment following stroke. Our findings suggest that Tailwind restores upper body movement to stroke survivors. We recommend Tailwind as a therapy for upper extremity rehabilitation for some stroke survivors.”

– Daniel F. Hanley, M.D.

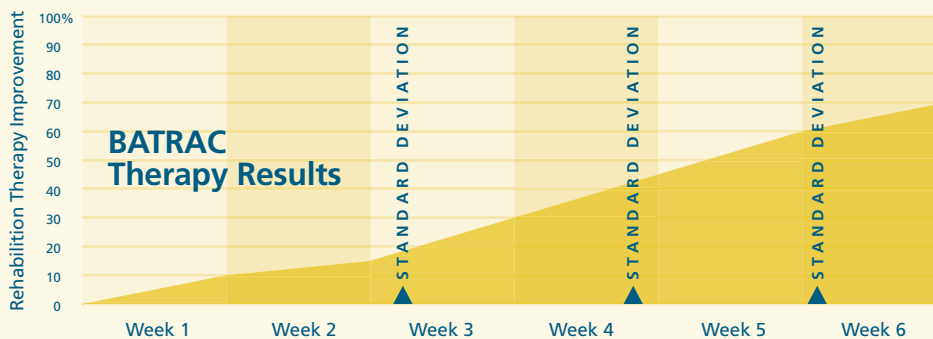
- Improves arm and upper body mobility
- Helps encourage patients to use their affected arm more
- Provides convenience and flexibility for patients to exercise more often
- Improvement in arm function reported in just six weeks
- Proven to work even many years after stroke
- Innovative design inspires patients to get moving
- Patients receive Time on Task independent exercise
- Takes just 30 minutes a day, 3 times per week



Facts & Figures

Research supports that repetitive motion with a rhythmic audio cue helps stimulate the reconnection of neural pathways in the affected brain tissue.

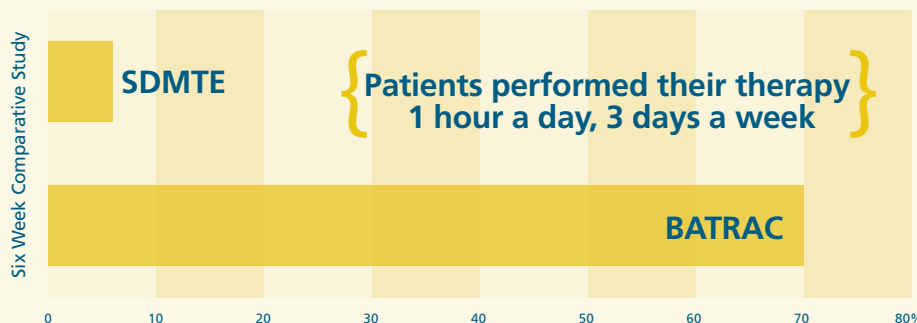
BATRAC is based on leading research into neural plasticity and motor cortex activation.



Published Articles

Journal of the American Medical Association "Repetitive bilateral arm training and motor cortex activation in chronic stroke." Luft A.R., et al. (2004) Randomized control trial using fMRI to document re-organization in central motor networks. Individuals who had BATRAC training demonstrated re-organization in contralesional motor networks.

Stroke, the Journal of the American Heart Association "Repetitive Bilateral Arm Training with Rhythmic Auditory Cueing Improves Motor Function in Chronic Hemiparetic Stroke." Whittall J., et al. (2000) Six weeks of BATRAC use improved functional motor performance as well as changes in isometric strength and range of motion.



Developing clinically proven rehabilitation technologies for survivors of stroke and other brain injuries.

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