

## Arm Training Programs for the Recovery of Arm and Hand Function after Stroke

For more information please call or mail this form to:

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**Department of Physical Therapy and Rehabilitation Science**  
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**Phone : (410) 706-4432**

Name \_\_\_\_\_

Address \_\_\_\_\_

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\_\_\_\_\_

Phone # \_\_\_\_\_

E-mail \_\_\_\_\_

- I have had a stroke.
- I am a caregiver.
- Other \_\_\_\_\_

For more information, please call:

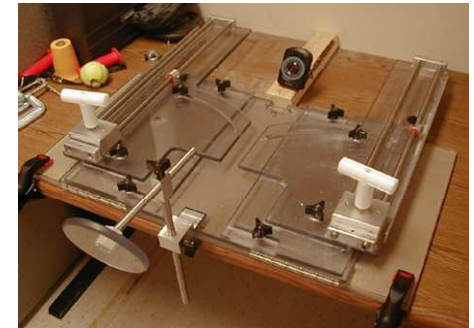
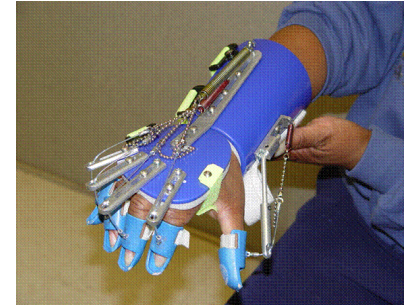
(410) 706-4432  
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## Primary Investigators:

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## Arm Training Programs for the Recovery of Arm Function after Stroke



## What is the goal of Arm Training Programs after Stroke?

The recovery of useful arm and hand recovery after stroke is most probably the major scientific challenge for stroke rehabilitation treatment today. Researchers at the University of Maryland are investigating two devices that when combined with arm and hand training programs will result in improved function of the arm and hand following stroke.

Studies at the University of Maryland have shown that forced-use combined with repetitive task oriented training has been successful in improving arm and hand function.

Researchers at the University of Maryland are presently conducting studies to compare different forms of training, i.e.:

- Unilateral and bilateral (active & passive) arm training, and
- Combined arm and hand training compared to a targeted stretching program.

These studies will provide information to help improve arm

and hand function in patients whose strokes occurred more than six months ago.

## Who is eligible?

To be eligible for the arm or hand studies you must:

- ◆ have had a stroke more than six months ago
- ◆ be 30 - 80 years of age
- ◆ have weakness in one of your arms
- ◆ be able to follow directions
- ◆ be screened by our research team
- ◆ no longer be in conventional therapy for the arm

## What is involved if I take part in the Stroke Studies?

If eligible, you will undergo a medical evaluation and several functional evaluations. The studies also involve special tests that look at how the brain changes. The functional evaluations will be used to assess your ability to use and control your arm and hand in a variety of different movements and positions.

Study procedures will take place at the Baltimore VA Medical Center, the University of Maryland, Department of Physical Therapy and Rehabilitation Science, and the Kennedy Krieger Institute.



These studies have been approved by the University of Maryland Human Studies Committee.