



STOP.



RESTORE.



END.

## USING A WEBSITE TO HELP IMPROVE MEMORY & LEARNING IN PEOPLE WITH MS



NEW YORK RESEARCHERS ARE DOING A CLINICAL TRIAL TO SEE WHETHER A WEB-BASED GAMING PLATFORM CAN HELP TREAT MEMORY & LEARNING PROBLEMS IN PEOPLE WITH MS.

### BACKGROUND

One of the most troubling symptoms commonly experienced by people with MS relates to cognitive changes, such as problems with learning, memory and problem solving. Treatments for cognitive problems are needed.

### THE STUDY

Lauren Krupp, MD, of the State University of New York at Stony Brook in New York and team are evaluating the potential of a program known as "plasticity-based adaptive computerized cognitive remediation" (PACR) to treat some cognitive problems in adults with MS. It consists of a series of cognitive training exercises presented in a gaming format that are continuously adapted at the individual level to maintain user engagement and challenge. The program is web-based so it can be delivered to anyone with a computer and an internet connection. In this project people with MS are randomly assigned to one of two groups: people in one group will play ordinary computer games while those in the other group will use the PACR program. Both groups will be tested before and after 12 weeks in the program to evaluate any changes in cognitive ability.

### WHAT'S NEXT?

The results of this research could provide the basis for improvements in treating cognitive difficulties in people with MS.

**WE ARE A DRIVING FORCE OF MS RESEARCH AND TREATMENT TO  
STOP DISEASE PROGRESSION, RESTORE FUNCTION AND END MS FOREVER.**