



## RESEARCH PARTICIPANTS NEEDED

### **Amantadine + rTMS as a Neurotherapeutic for Disordered Consciousness after TBI**

The purpose of this study is to examine the safety and efficacy of transcranial magnetic stimulation (TMS) and Amantadine for coma recovery in individuals in a vegetative or minimally conscious state.

#### **ELIGIBILITY:**

- **Adults between the ages 18-64**
- **Diagnosed with Severe Traumatic Brain Injury**
  - **Vegetative State, or**
  - **Minimally Conscious State**
- **Injury having occurred at least one year ago**

Results of this study may improve our understanding of brain functioning and recovery after severe brain injury, as well as how different areas of the brain contribute to awareness and recovery.

***For more information, please contact:  
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Hines IRB Protocol #13-037***

***This is a two-year, NIH sponsored multicenter study:  
Edward Hines, Jr VA Hospital, Hines, IL  
Northwestern University-Clinical Research Unit, Chicago, IL  
Rehabilitation Institute of Chicago, Chicago, IL***

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|-------------------------------|-----------------|----------------|
| <b>Starts</b>                 | <b>Approval</b> | <b>Expires</b> |
| 6/16/2014                     | IRB             | 9/02/2014      |
| Edward Hines, Jr.VAH//JALFHCC |                 |                |