

# Research Study: In Search of Biomarkers for the Recovery of Patients with Traumatic Brain Injury

## What is the purpose of this study?

Individuals who have suffered a brain injury experience a number of impairments and disabilities that often result in the need for continued support. Unfortunately, for a large number of these individuals, support is generalized and not specific to their unique needs.

In order to provide more personalized treatment plans for these patients, the Casa Colina Research Institute seeks to better understand recovery by analyzing the biomarkers present after traumatic brain injury. This research study is a collaboration between Casa Colina Hospital and Centers for Healthcare and Pomona Valley Hospital Medical Center.

## What is required to participate?

A trained member of our research, nursing, or clinical staff will perform the following assessments once every six months for a period of two years:

- ◆ Take a picture of your brain using magnetic resonance imaging (MRI)
- ◆ Place electrodes on your head to measure brain activity
- ◆ Take blood samples
- ◆ Perform a neuropsychological assessment

## Participant rights and benefits

Participation is free and voluntary, and participants may withdraw at any time. **All participants will contribute to advancing research in an effort to help other patients with brain injuries and will receive \$50 every six months (\$200 total).**

## Who is eligible to participate?

Individuals from Pomona Valley Hospital and Casa Colina with moderate to severe brain injury who:

- ◆ Are fluent English speakers (non-native English speakers are also encouraged to apply)
- ◆ Are 18-65 years old
- ◆ Do not have claustrophobia or metal implants (these may affect ability to participate in MRI testing)
- ◆ Do not have receptive or expressive language impairments/aphasia
- ◆ Have intact motor use of dominant hand



For more information or to find out if you or your patient or family member qualifies, please contact Niko Fullmer, Research Coordinator, Casa Colina Research Institute, at 909/596-7733, ext. 2220 or [nfullmer@casacolina.org](mailto:nfullmer@casacolina.org).

