

Measuring Brain Complexity to Detect and Predict Recovery of Consciousness in the ICU

NCT06568536

Status	RECRUITING
Phase	Not Applicable
Sponsor	Massachusetts General Hospital
Enrollment	120 participants

Key Eligibility Criteria

Inclusion (6)

- Age greater than or equal to 18
- Functionally independent at baseline
- Acquired brain injury within the last 28 days
- Disorder of consciousness, as defined by no instance of following commands (i.e., Glasgow Coma Scale motor score = 6) on two or more consecutive assessments
- Continuous intravenous sedation able to be discontinued for at least 10 minutes
- ... and 1 more (see full listing online)

Exclusion (5)

- Status epilepticus or uncontrolled seizure disorder
- No head CT scan from current hospital admission AND contraindications for MRI: conductive, ferromagnetic, or other magnetic-sensitive metals implanted in the head (e.g., cochlear implants, implanted electrodes/stimulators, aneurysm clips or coils, stents, bullet fragments)
- Medical instability, restlessness, or other factors identified by the PI that would either prevent safe participation or compromise data acquisition
- Hemispherectomy
- If a subject meets a contraindication for MR imaging, the subject may participate in all other aspects of the study except MRI.

Locations (2 total)

Massachusetts General Hospital, Boston, Massachusetts, United States
UW Health University Hospital, Madison, Wisconsin, United States