

# Automated Robotic TCD in Traumatic Brain Injury

**Status:** RECRUITING

## Eligibility Criteria

**Age:** 18 years and over

**Healthy Volunteers:**

**Inclusion Criteria:**

\* Adults  $\geq 18$  \* Blunt TBI with Glasgow Coma Score (GCS)  $\leq 8$  \* Injury within 72 hours \* Adequate TCD windows \* Ability to obtain informed consent from a Legally Authorized Representative (LAR)

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**Exclusion Criteria:**

\* Catastrophic brain injury with grim prognosis (e.g.: GCS 3 with bilateral mid-position pupil) \* C- spine fracture with evidence of spinal cord injury \* Severe skull or scalp injury precluding device placement \* Planned decompressive hemicraniectomy \* Continuous fever for  $> 6$  hours at the time of enrollment (despite treatment) \* Lack of TCD window

## Conditions & Interventions

**Interventions:**

DEVICE: Transcranial Doppler ultrasonography (TCD)

**Conditions:**

Brain Injuries, Traumatic

## More Information

**Contact(s):** Shraddha Mainali, MD - shraddha.mainali@vcuhealth.org

**Principal Investigator:**

**Phase:**

**IRB**

**Number:**

**System ID:** NCT05848297

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