THE NEED

MANUAL ADJUSTMENTS + LACK OF FEEDBACK SYSTEM = CURRENT PRIMITIVE EVD SYSTEM

THE TECHNOLOGY

A digital extra-ventricular drain system that removes the amount of human error and time associated with current primitive EVD systems.

THE TEAM

Rodney Daniels, MD
Pediatric Critical Care Medicine

David Chesney, PhD
Electrical Engineering and Computer Science

Hakam Tiba, MD
Emergency Medicine

Ashwin Belle
Systems Integration Collaborator

COMPETITIVE ADVANTAGE

SPEED AND ACCURACY
A digital EVD would no longer rely on manual adjustments and can be quickly and easily monitored.

AUTOMATED PRECISION
Self-adjusting when patient position changes or if drainage levels shift.

REAL-TIME STREAMING DATA
Provides more information and alerts caregivers to changes in pressure or flow.

COMMERCIALIZATION ROADMAP

CLASS II DEVICE
510(k) premarket notification

LICENSE TECHNOLOGY

POTENTIAL PARTNERS
DoD/transport teams
Brain trauma units

PROJECT MILESTONES

Begin prototype build

Systems integration

Test digital EVD

Assess patent development options

Assess industry partner and licensing options