ADVANCED DIGITAL EXTRA-VENTRICULAR DRAIN (DEVD)

NEW MONITORING DEVICE UTILIZES DATA ANALYTICS TO DIAGNOSE AND TREAT TRAUMATIC BRAIN INJURY

UNMET NEED

Accurate intracranial pressure (ICP) monitoring is essential to evaluating and treating traumatic brain injury (TBI) during the early hours of care.

Using external ventricular drains to monitor ICP can help improve survival, yet current primitive systems are not able to take real-time digital measurements, and require manual adjustments by caregivers.

SOLUTION

Rodney C. Daniels, MD has developed a digital external ventricular drain (DEVD) device that will provide caregivers from the field hospital, to the ICU, to the rehabilitation facility, with the ability to automatically quantify, regulate, and monitor ICP and cerebrospinal fluid (CSF) drainage.

The DEVD will also be used to stream data that can be utilized in predictive modeling for advanced TBI diagnosis and treatment.

COMPETITIVE ADVANTAGE

The DEVD improves accuracy of ICP and CSF flow measurements and control, providing real-time alerts to caregivers when changes occur.

The device fits well into current workflows, allowing for easy integration, and provides caregivers with advanced options to deliver specific, individualized care to their patients.