ANALYTIC FOR HEMODYNAMIC INSTABILITY

NEW DATA ANALYTIC PREDICTS HEMODYNAMIC INSTABILITY

UNMET NEED

Hemodynamic instability is when blood flow drops and deprives the body of oxygen, and is one of the most common causes of death for critically ill or injured patients.

Early detection of hemodynamic decompensation (EDHD) can be used to prevent decompensation, yet current monitoring technology is unable to automatically perform EDHD.

SOLUTION

MCIRCC has developed a data analytic that predicts hemodynamic instability in ICU patients before it is visually apparent. The Analytic for Hemodynamic Instability (AHI) predicts a patient's hemodynamic trajectory in real-time by using ECG waveform signals.

Without this technology, patient decompensation events will continue to occur at current rates.

COMPETITIVE ADVANTAGE

Unlike the current approach of monitoring ICU patients at certain intervals, AHI will detect the early onset of hemodynamic instability and alert key personnel to facilitate early intervention and increase patient survival.

Until now, EDHD has not been possible, even by a trained clinician watching a patient's vital signs.