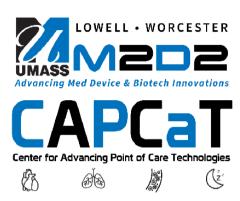


The next wave in vital monitoring



UNMET NEED

Heart failure (HF) is the leading cause of US hospital admissions and incidence continues to rise, posing distinct challenges to the healthcare system.

- About 6.5 million adults in the United states have heart failure¹
- Heart failure was the contributing cause of 1 in 8 deaths in 2020²
- Total expenditure for heart failure in the United States is expected to increase by 127% between 2012 and 2030³
- Annual economic burden is \$31B and is expected to reach \$70B by 2030⁴
- Up to 50% of hospitalized patients will be readmitted within 4-6 months^{5,6} and nearly half of all HF readmissions are preventable⁷

TEAM

Kyle Hocking, PhD, CEO
Annie Alvis, MBA, COO
Colleen Brophy, MD, CMO
Bret Alvis, MD, CSO
Katharine Miller, Director Product Quality
Rene Harder, PhD, Senior Engineer
Jon Sharp, MS, Senior Engineer
Jon Whitfield, ME, Senior Engineer
Reid Sutton, Engineer

GAP IN CURRENT HEART FAILURE MONITORING

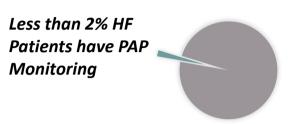
Swan-Ganz:

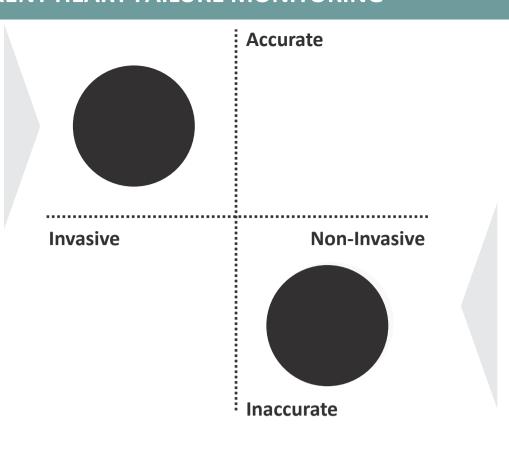
Gold Standard, but invasive, inpatient only, limited to OR and ICU, requires skilled clinician⁸

Pulmonary Artery Pressure (PAP) Monitoring:

Latest Technology, but requires surgical implantation, expensive and limited in patient scope ^{9,10}

The only effective remote monitoring solution to date





>90%

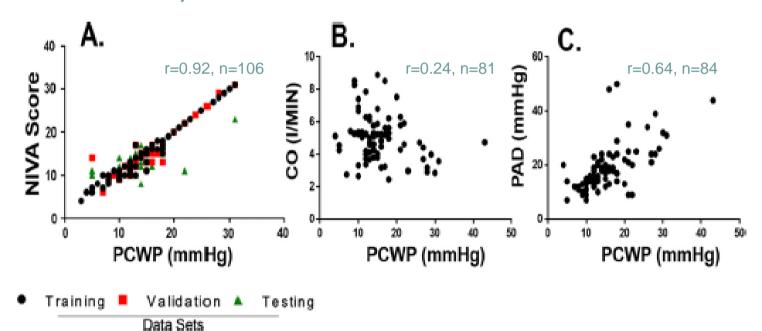
of patient monitoring^{8,9,10}
Clinical symptoms
Daily weight

Input/output charting
Arterial waveform analysis
Chest x-ray
Bioimpedance/bioreactance

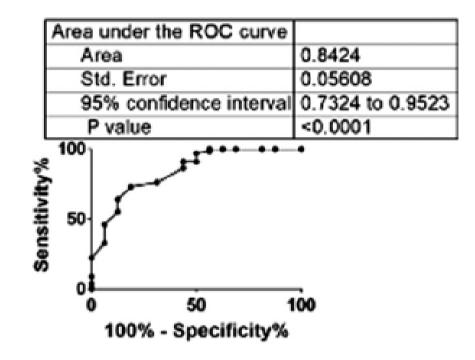
NIVA_{HE}

NIVA_{HF} is intended to estimate pulmonary capillary wedge pressure in hospitals, hospital-type facilities and home environment *Non-Invasively*

Preliminary correlation between NIVA Score and PCWP



NIVA 30-day admission prediction



CLINICAL VALIDATION AND REGULATORY

- Multicenter observational study to compare NIVA_{HF} with PCWP during right heart catheterization
- Filed pre-submission with FDA
- Held in person and virtual pre-submission meetings with FDA
- NIVA_{HF} received **Breakthrough Device Designation** from FDA
- De Novo pathway

