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We make technology to manage sick hearts in the ICU

Cardiac arrhythmias are one of the leading contributors to cost in the ICU



Cost of Post-Operative Atrial Fibrillation annually in U.S.

Significant challenges with detection of cardiac arrhythmias in the ICU:

1) Bedside Nurses



2) Cardiac Monitors



1) Bedside Nurses

As rates of ICU and arrhythmia costs increase, bedside support is decreasing with nationwide nursing shortages



2) Cardiac Monitors ICU monitors provide confusing information and alarms are inaccurate



Our Current Technology

The AtriAmp Edge: Direct Cardiac Access – Larger Signals on Bedside Monitor

AtriAmp connects monitor to wires on the surface of the heart that are routinely placed after cardiac surgery for external pacing



AFib, diagnosed using the AtriAmp

Starting in Pediatrics: The sickest in the hospital



Atrility is currently partnering with leading adult cardiac surgery institutions to study and publish the benefits of the AtriAmp in valve and CABG procedures





Today, Leading Pediatric Health Systems Nationwide Use The AtriAmp

20% of U.S. Pediatric Hospitals use the AtriAmp

20% of US Pediatric Hospitals in sales pipeline





Building the future of cardiac monitoring: Using AtriAmp signal to power unmatched arrhythmia algorithms

- ✓Continuous waveforms being collected around the US through AtriAmp
- $\checkmark Customer$ requests for automated signal labeling
- ✓ Current data stream through a US News Leading Pediatric Center
- \checkmark 10 additional data partners in progress
- ✓NSF grant support



Powerful Signal Processing to multiply the value of the AtriAmp while unlocking the key to arrhythmia diagnosis and management



Feature Labeling on Waveform

We automatically label key features with signal analysis techniques that are effective today

Supervised Machine Learning Algorithm on Automatic Feature Labeling Data Set



Precision Therapeutic Al Rhythm Model from Management Log



Rhythm Management Log

Log features, trends and associated interventions for comprehensive mgmt.

AtriAmp unlocks the ability to automatically label ECG data for advancing ECG machine learning technologies



Minimal progress to-date in developing large datasets of labeled ECG to train models because it requires significant time from clinicians to manually label rhythms

Hours of Labeled ECG Data Largest Accessible Single-Source ECG Dataset ^{1[2022]}



High Margin Disposables w/ Direct Cardiac Access



Cardiac Software from Direct Cardiac Access



535,000 US ICU Beds

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:72

40,000 U.S. CVICU, PICU, NICU beds

SAM \$80M

450,000 US Heart Surgeries

100,000

US Valve/Peds Surgeries

X

ALL CON

TAM \$225M

SAM \$50M

13

Currently Raising \$2.5M

Develop Software from AtriAmp Signal with Phase 1 STTR Grant Support

- Fund data partnership grants for acquiring continuous AtriAmp data
- Develop Alpha version of software for 510(k) clearance
- Marketing publication from software clinical validation

Expand AtriAmp Sales into Adult Market

• Fund AtriAmp adult marketing study at leading institution (currently drafting protocol with principal investigator)



Phillip Terrien VP of Operations Co-Founder



Nick Von Bergen, MD CMO, Co-Founder Pediatric Cardiac Electrophysiologist





Matt Knoespel VP of Commercialization Co-Founder



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