The Company

Carlsbad, CA

Boise, ID
Problem

Normal

Atrial Fibrillation

Right atrium
Sinoatrial node (pacemaker)
Atrioventricular node
Left atrium
Atrial Fibrillation (AF) - Incidence

Breakdown of AF types

- **Persistent** 33%
- **Paroxysmal** 35%
- **Permanent** 32%

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USA Cardiac Ablation Procedures

- **Most common arrhythmia.**
- **2nd leading cause of stroke**
- **~600,000 US hospitalizations/year.**
Treatment option #1
Drug therapy

- Expensive.
- Significant side-effects.
- Palliative - does not cure AF.

Treatment option #2
Cardioversion

- Low percentage of conversions.
- Does not fix the problem.
- Serious side-effects possible.
Treatment Option #3 – Cardiac Ablation

The Challenge:
Identifying and treating *only* the necessary regions of the heart wall.
Acutus Medical Solution

Ultrasound & Dipole Density to globally image the anatomy and continuously map cardiac arrhythmias.

Translation:
High-Precision Electrical, Anatomical Mapping
Starts with Real-time 3D Imaging of the Heart

Step 1 – U/S Imaging
Ultrasound continuously “pings” the chamber wall - creating a Point Cloud

Step 2 – CT Quality Image
Ultra-dense Point Cloud yields CT quality reconstruction

Step 3 - Functional EP
Real time electrical and mechanical (wall motion) analysis
Dipole Density Map of Typical AFL
Management Team

Randy Werneth
Founder, President, CEO
San Diego & Boise

Dr. Graydon Beatty
CTO

John Dahldorf
CFO

Martin Chambers
CCO

Steve McQuillan
Clinical
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MedTech Furnace @ Boise State University

- Acutus Medical, Inc.
- Healthfundr (co-locating)
- Shaw Mountain Technologies
- Behavior Imaging (advising / support)
To create an environment that attracts and supports medical technology engineering, commercialization and manufacturing in Idaho
THANK YOU
Questions?