SANDBOXAQ

Shaping the Future of Cardiac Diagnostics with AQ Technology

SandboxAQ is introducing a groundbreaking cardiac imaging system, powered by AI and Quantum (AQ) technology. Our system is designed to empower medical professionals to make rapid decisions, identify life-threatening conditions, and expedite emergency case triage for improved patient outcomes.

The Global Impact of Cardiovascular Disease

Globally, cardiovascular diseases claim 18 million lives every year, straining healthcare systems worldwide. In the United States alone, chest pain accounts for nearly 8 million emergency department visits annually, incurring billions of dollars in associated costs. At SandboxAQ, we are committed to tackling these challenges by revolutionizing cardiac imaging capabilities.

In the U.S. alone, 8 million ER visits are chest pain related. **Fewer than 5%** of these patients can be successfully diagnosed using standard tools like ECG.

Unlocking Cardiac Insights with AQ technology

Magnetocardiography (MCG) is a powerful, non-invasive, heart imaging technique with great promise for revolutionizing cardiac health. MCG can improve diagnosis of ischemic disease by providing a more detailed image of the heart's electrical activity to augment standard methods such as electrocardiography (ECG).

Using the power of AQ technology, SandboxAQ has developed a novel, compact, portable MCG device that can be seamlessly incorporated into physician workflows and used at the point-of-care. Our system aims to facilitate a wide adoption of MCG technology by greatly reducing operating costs, system complexity and hospital space requirements compared to existing MCG tools.

SandboxAQ MCG Technology

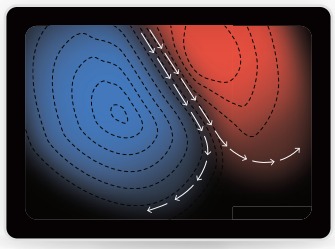
Our AQ technology will revolutionize cardiac disease diagnosis by harnessing the power of AI and Quantum Sensing to deliver an accurate picture of the heart's function and physiology.

Equipped with advanced Quantum Sensors, our MCG device ensures robust operation in a dynamic hospital setting while maintaining exceptional diagnostic precision.

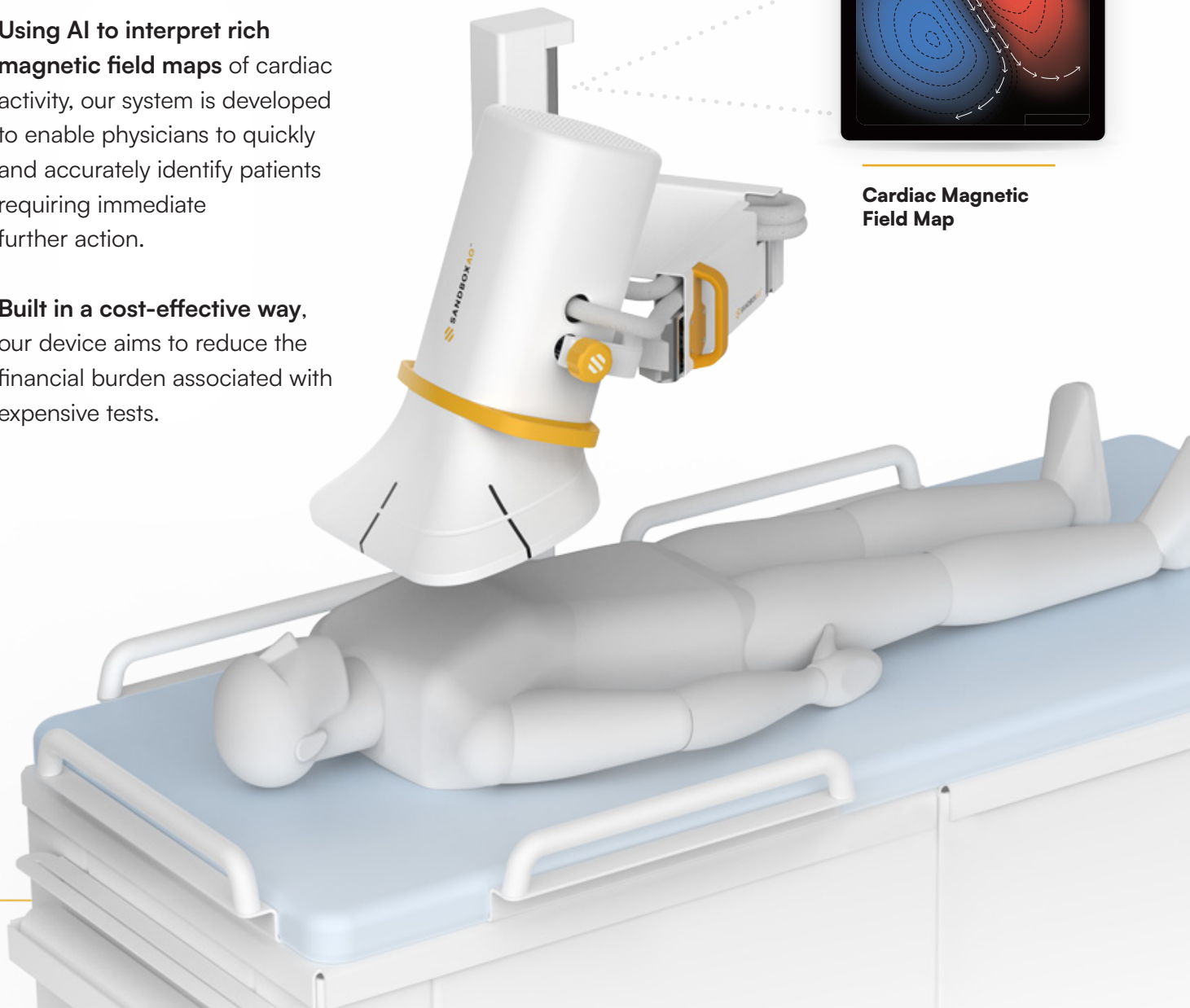
Using AI to interpret rich magnetic field maps of cardiac activity, our system is developed to enable physicians to quickly and accurately identify patients requiring immediate further action.

Built in a cost-effective way, our device aims to reduce the financial burden associated with expensive tests.

Our vision is to provide centers in the rural areas with sophisticated yet accessible medical imaging tools that do not require specialists to operate or interpret data.



Cardiac Magnetic Field Map



Improved Patient Outcomes

Our system is designed and built to enable a wide array of applications that have the capability to dramatically improve quality of care and streamline medical processes:

Diagnosing Acute Coronary Syndrome (ACS)

For rapid, accurate emergency room decisions for patient admission or safe discharge.

Detecting Fetal Cardiac Abnormalities

For direct monitoring of fetal cardiac activity during prenatal checkups, allowing early detection and intervention in case of arrhythmias.

Advancing Drug Research

For quantifying the effect of drugs on cardiac diseases accelerating drug development.

Assessing Sudden Cardiac Arrest (SCA) Risks

For early diagnosis of SCA risk among women, young athletes and elite task force members.

Accelerating cardiovascular disease research

For empowering clinical researchers to discover new, highly impactful MCG applications for which no viable alternatives exist today.

Revolutionizing Cardiac Healthcare

With faster, more accurate and easily accessible medical imaging capabilities, our AQ-powered cardiac imaging system will lead to a significant advancement in many different facets of cardiac disease management. It aims to expedite diagnosis and treatment for a wide range of diseases.

SANDBOXAQ

Join SandboxAQ in shaping the future of healthcare.

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