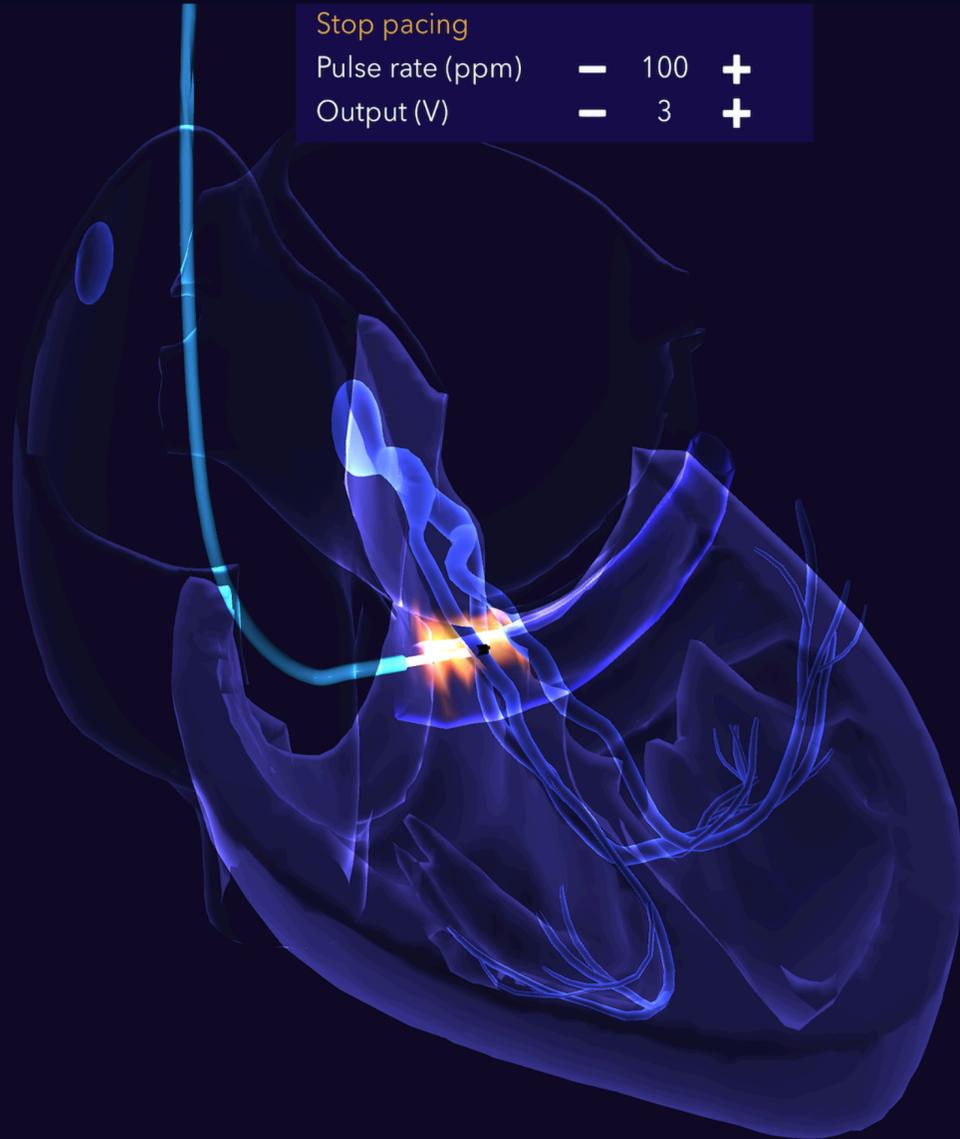


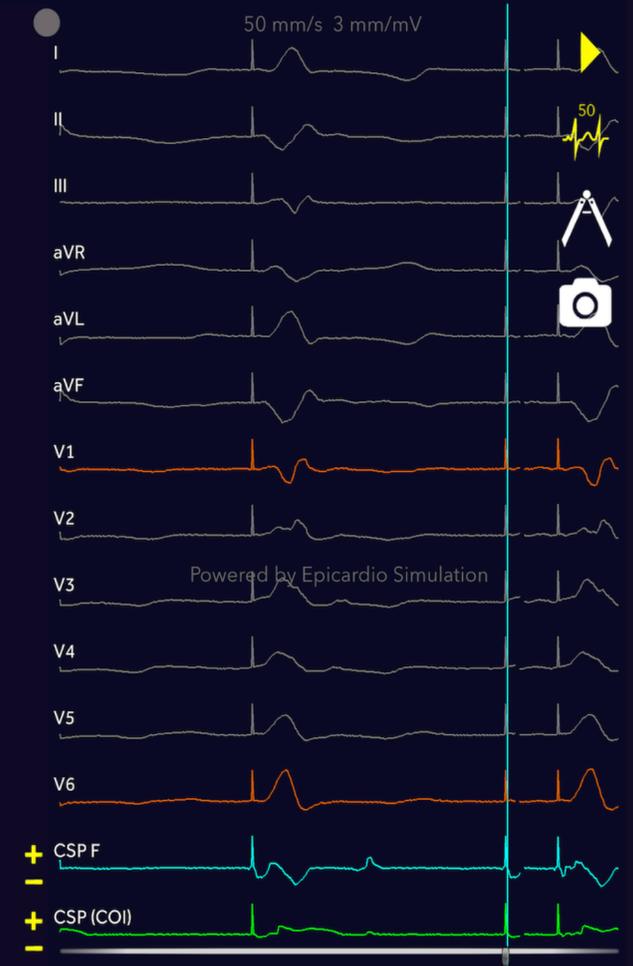
Epicardio Simulation

en Reset all Manual Capture Pace Unipolar tip Normal Views

Stop pacing
Pulse rate (ppm) - 100 +
Output (V) - 3 +

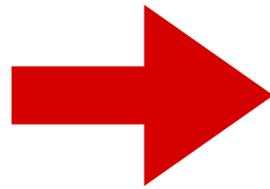
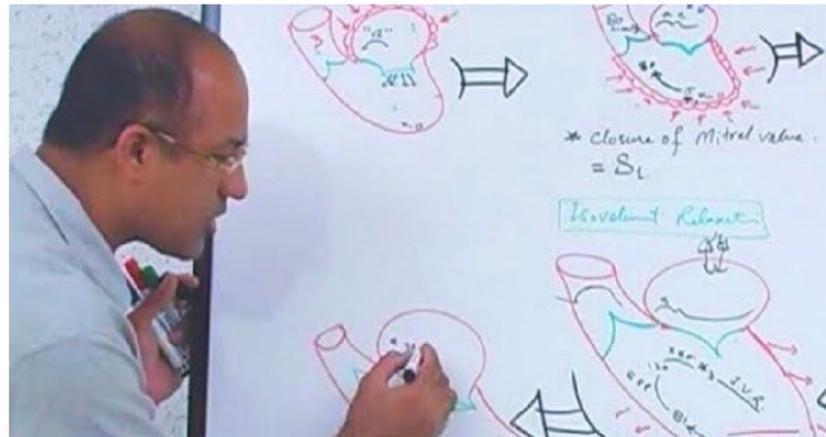


AP 0°



Tip in septum
Ring in septum

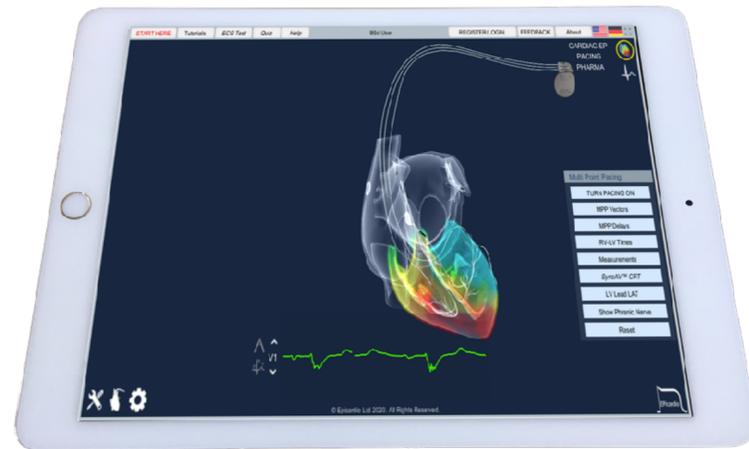
Addressing real problems in medical education



- ★ Sudden jump from classroom to making decisions on patients
- ★ Training on the patient
- ★ **risky and costly**



The Epicardio Simulation solution



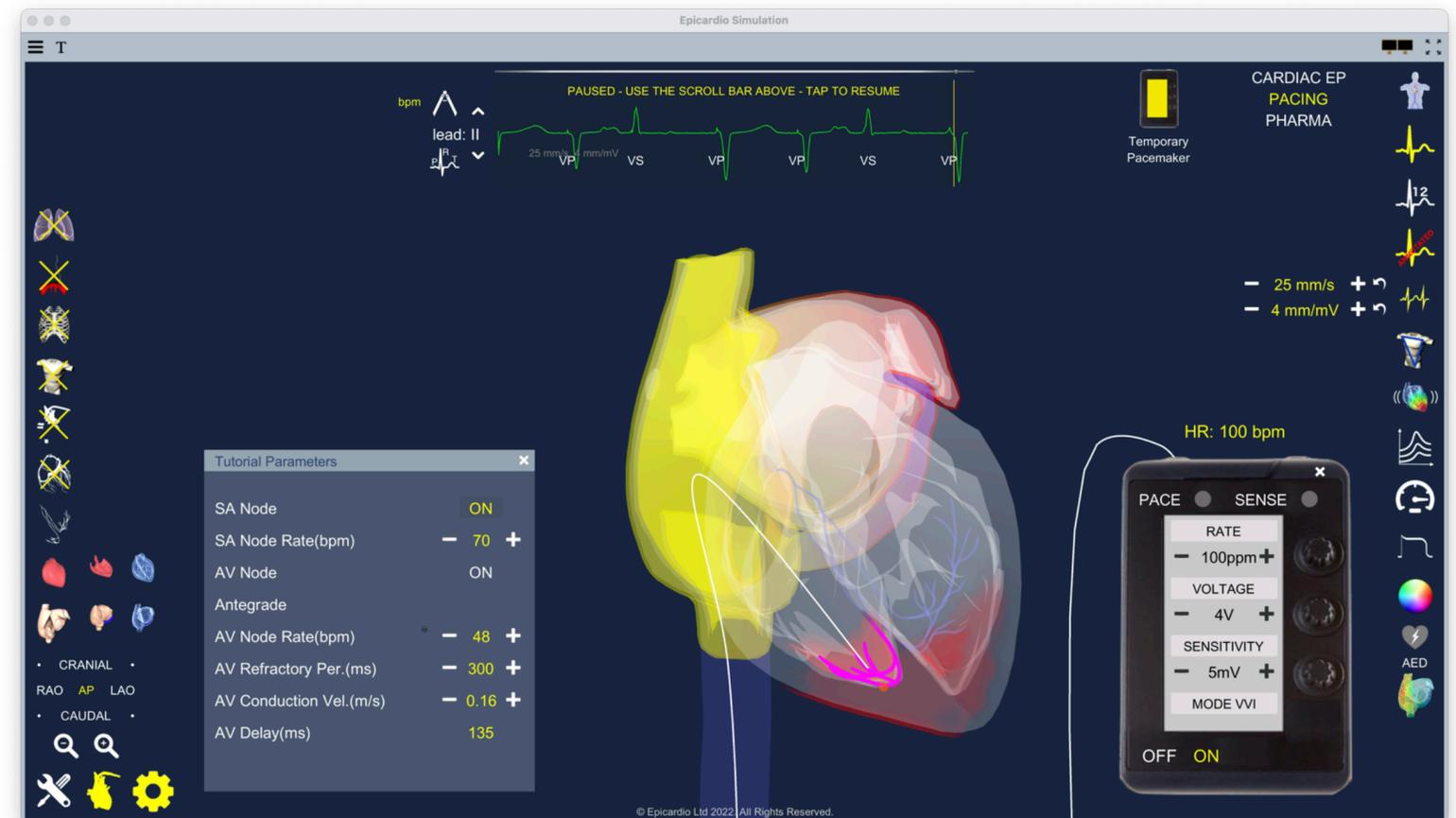
We use accessible simulation to save lives and healthcare costs by

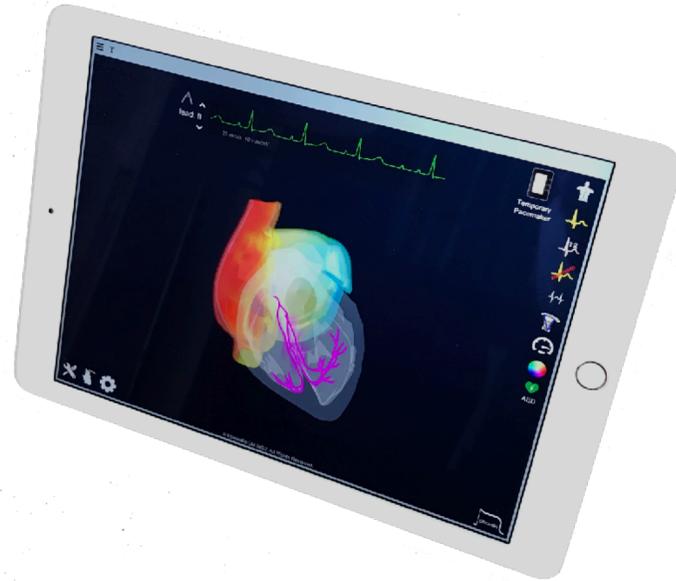
- ✓ shortening learning curves
- ✓ enhancing learning outcomes
- ✓ reducing training on patients
- ✓ improving intervention outcomes

Unique simulation platform



- ✓ Cardiac electrophysiology simulator
- ✓ Intelligent self-organised system for complex dynamic cardiac modelling
- ✓ Real-time 3D electromechanical model of the heart, based on FEM and a neural cellular automaton
- ✓ Can be trained to reproduce complex arrhythmic and pathological cardiac states
- ✓ Capable of responding to stimulation, such as pacing, ablation and drug administration, while generating accurate ECG/EGM signals in real-time





Accessible anytime, anywhere

- macOS and MS Windows laptops and all WebGL browsers
- Apple iOS and Android tablets and smartphones
- ◆ Epicardio is the only real-time interactive 3D simulation of CRM and Cardiac EP on the web, iOS and Android

Revolutionising cardiology education

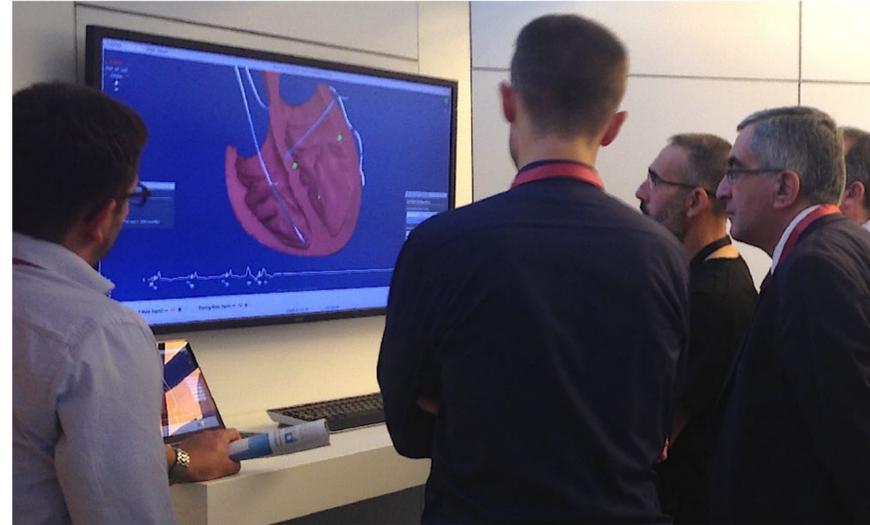


Epicardio bridges the gap between theory and practice

We offer CPD accredited simulation-based learning accessible from anywhere

Customers: Medical & Health Sciences schools, University Hospitals

Revolutionising device training



Epicardio provides safe and accessible corporate in-house and customer training

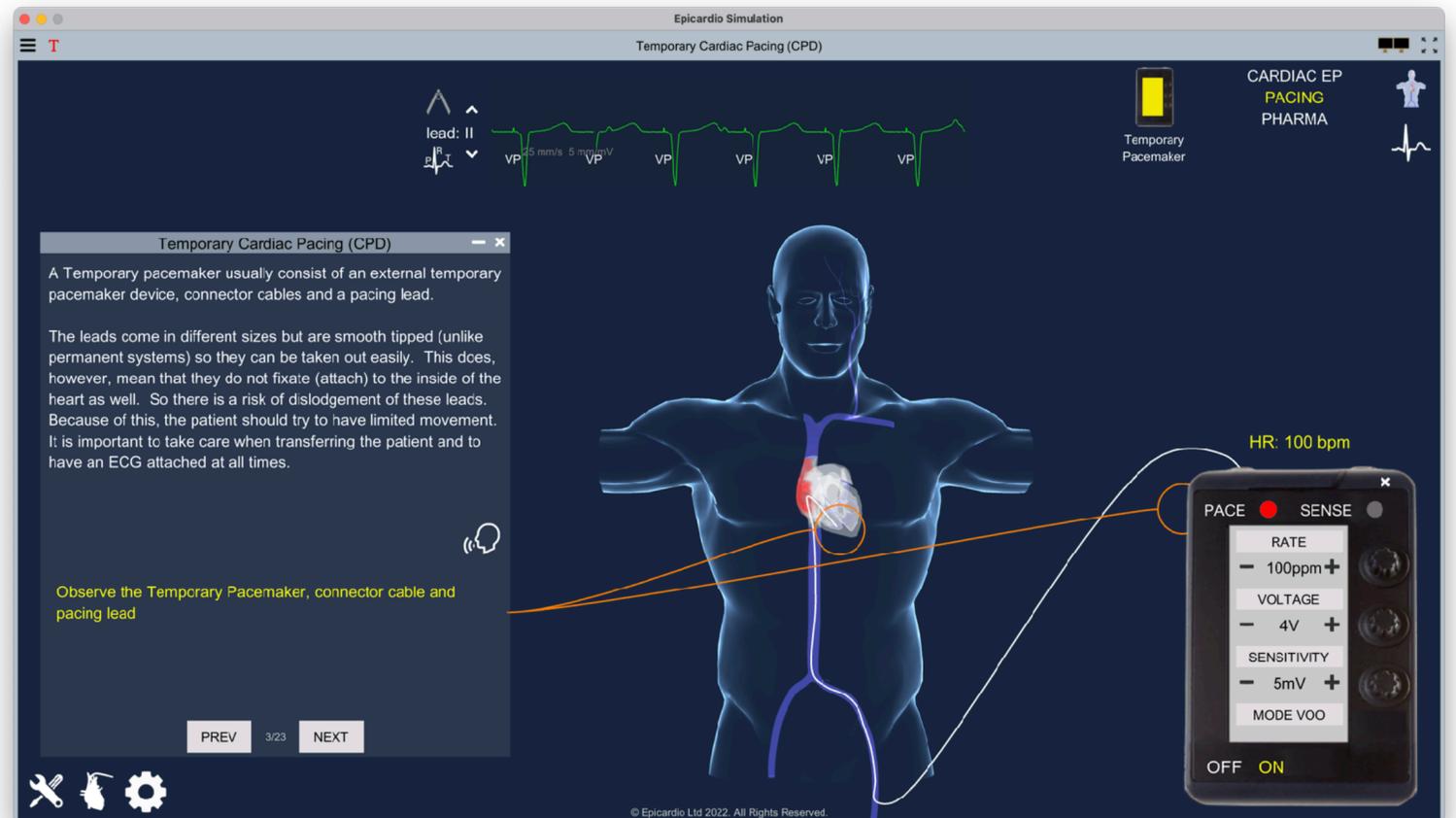
Customers: cardiac device manufacturers



Benefits to medical education and corporate training



- ✓ Enables remote virtual training
- ✓ Enables trainers to deliver more content quicker
- ✓ Enables trainees to develop quicker and better
 - ✓ signal evaluation skills
 - ✓ procedure/device understanding
- ✓ Reduces time needed for
 - ✓ on-site/campus and on-the-patient training



Validated by academia and industry



Interactive tutorials independently validated by academia



Simulated ECG independently validated by industry



Completed UCL EDUCATE programme and received EdWard

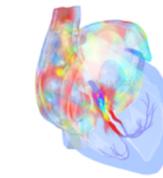


- ✓ Annual and monthly subscriptions based on number of users
- ✓ Site-wide licence for entire campus based access
- ✓ Potential to customise to specific curriculum or device

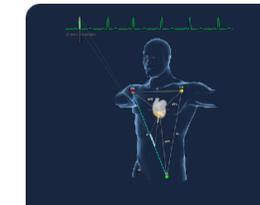
Exciting product range to meet customer demand



✓ Educational apps



Epicardio



Epicardio



Epicardio



Medtronic



Medtronic

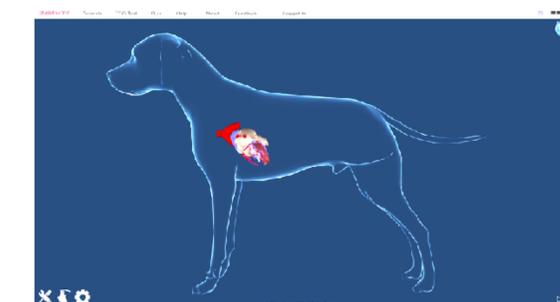
✓ Customisation for cardiac devices



✓ Advanced ECG, CRM & Cardiac EP



✓ Veterinary Cardiology



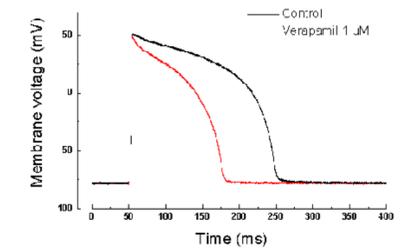
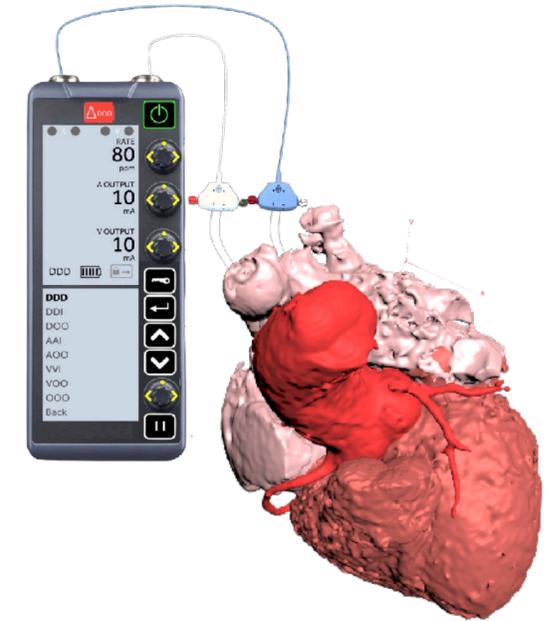
Significant further product development



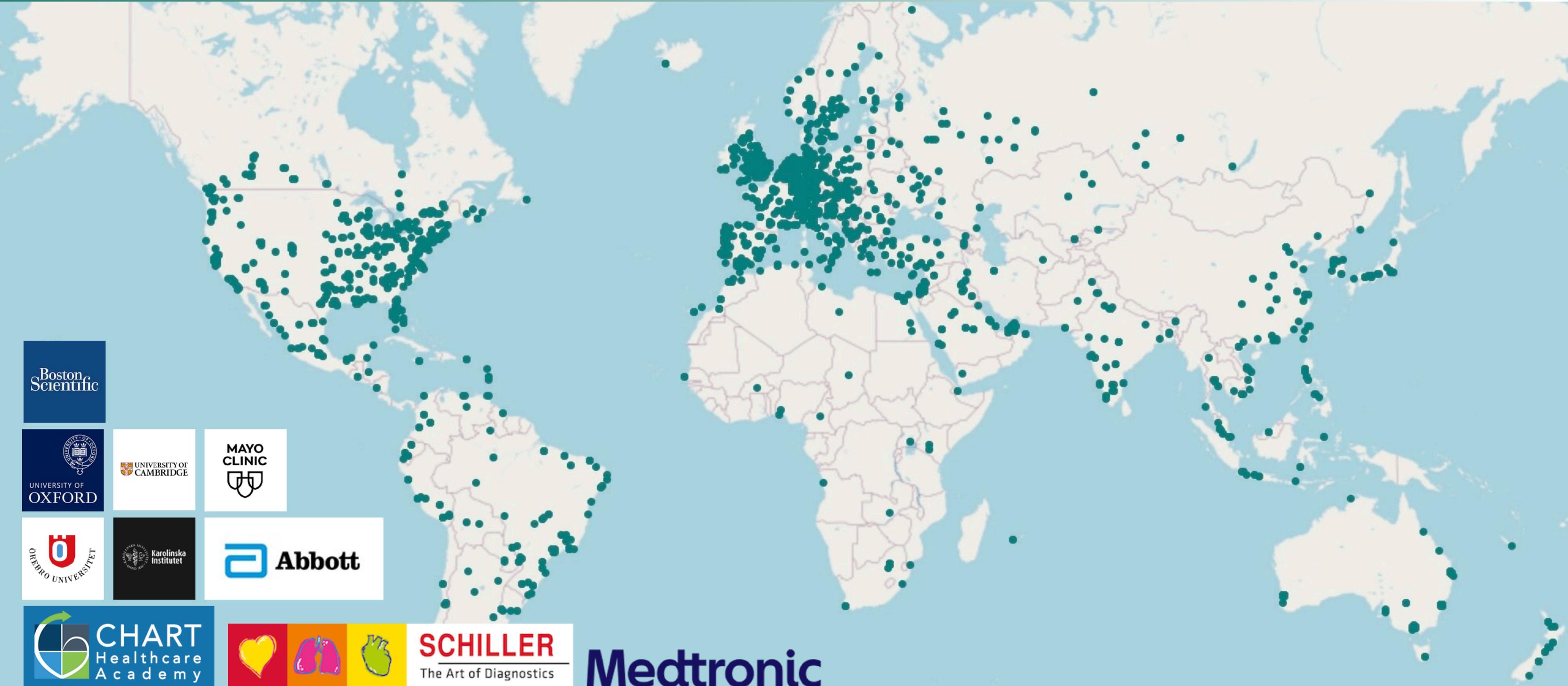
✓ AI patient-specific heart models for diagnosis support

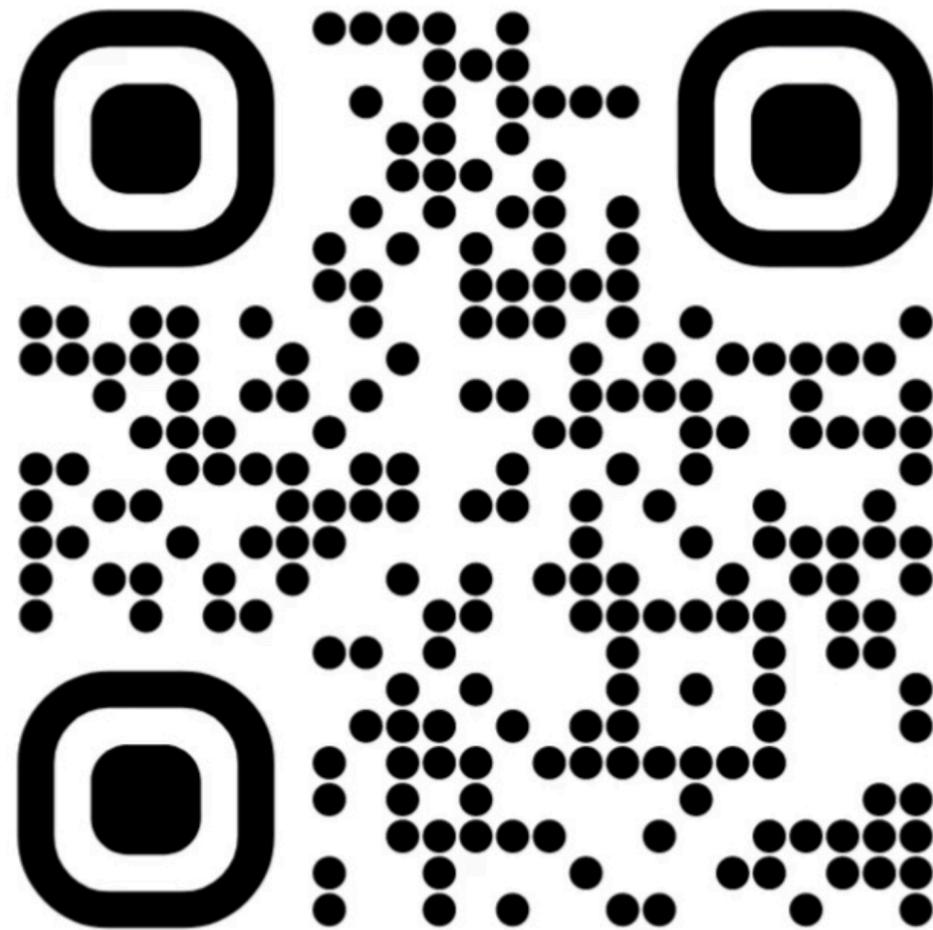
✓ Integration with VR system

✓ Customisation for drug effects



Used globally





contact@epicardio.com

www.epicardio.io