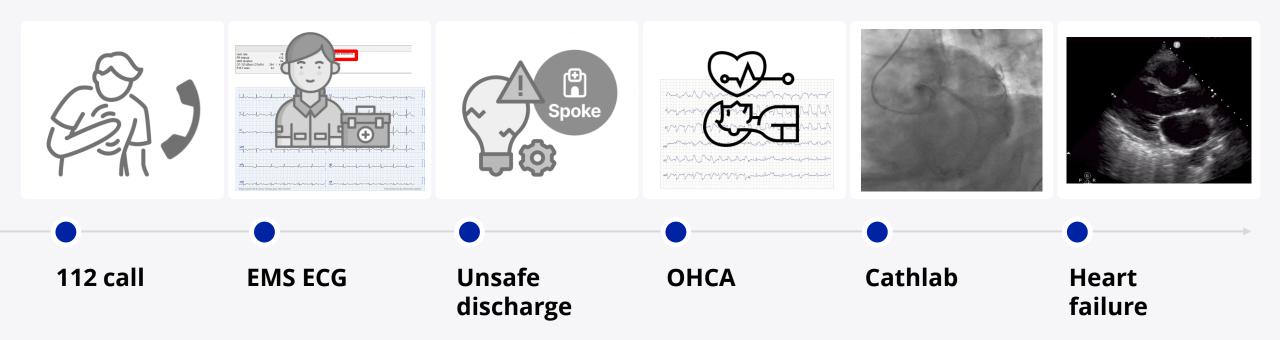
Transforming Frontline Cardiovascular Patient Detection and Referral

PMcardio Al-powered ECG Platform

Robert Herman, MD

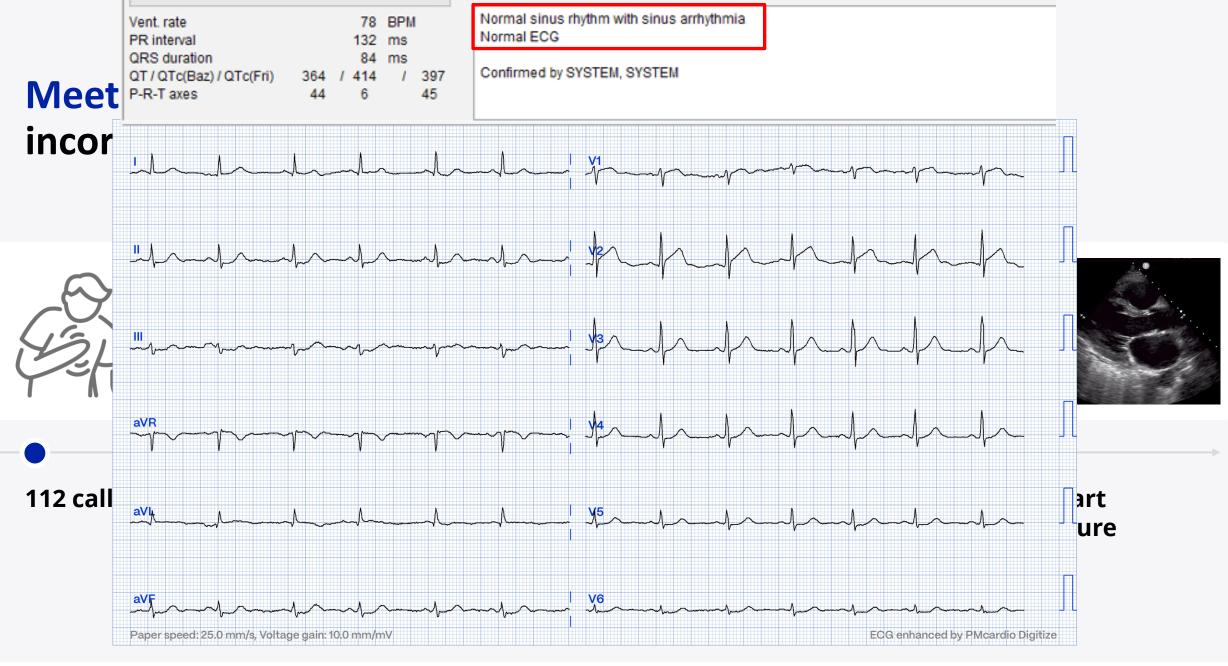






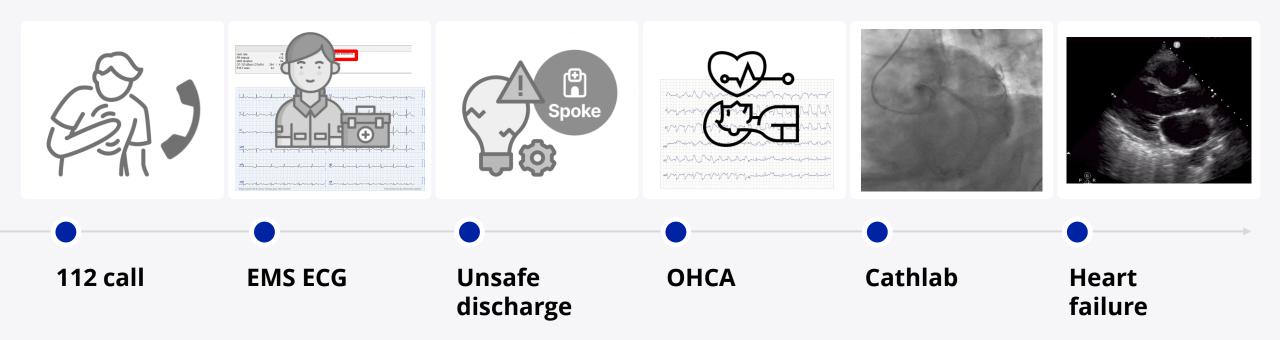






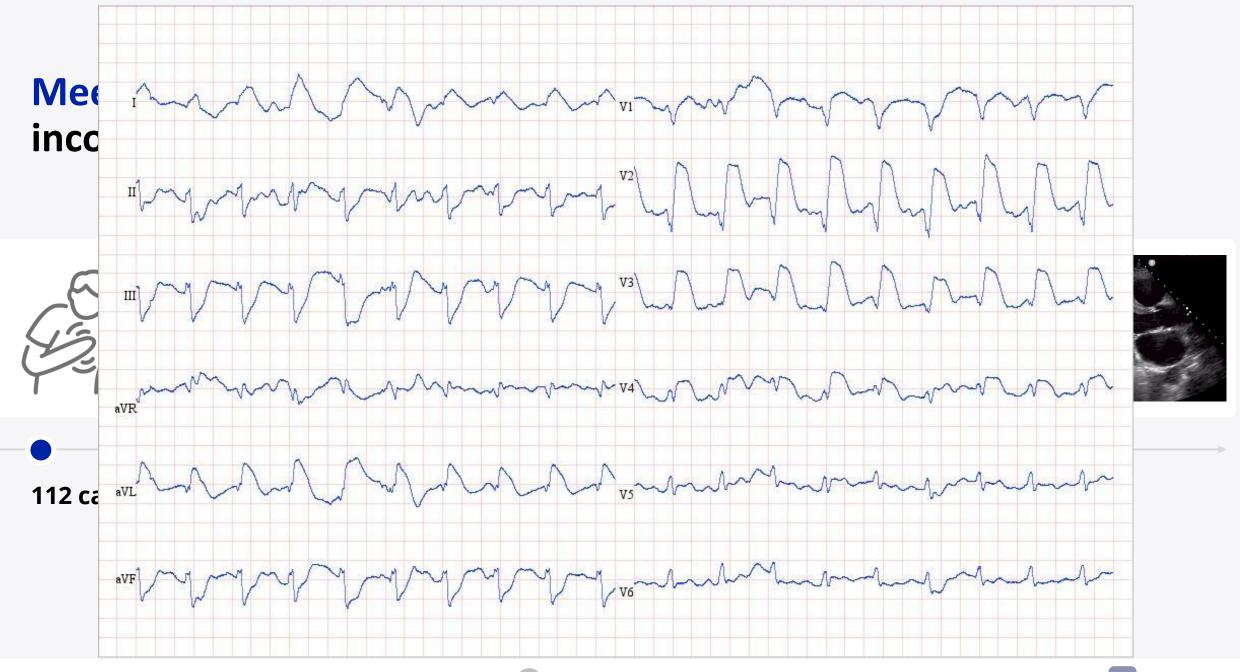






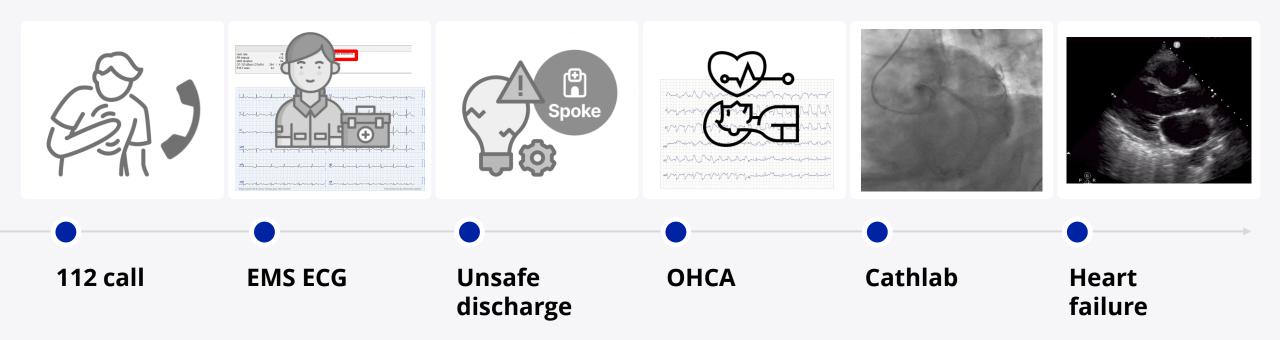














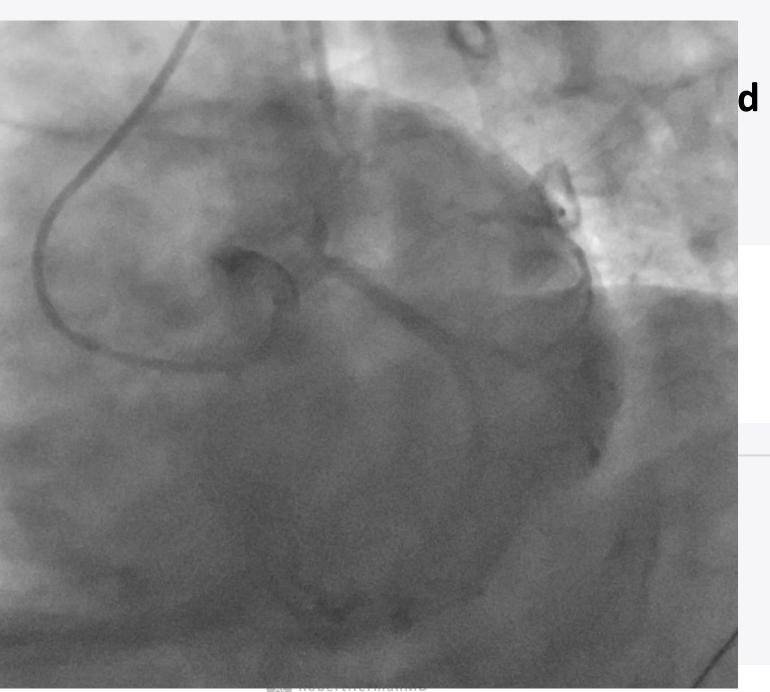






112 call

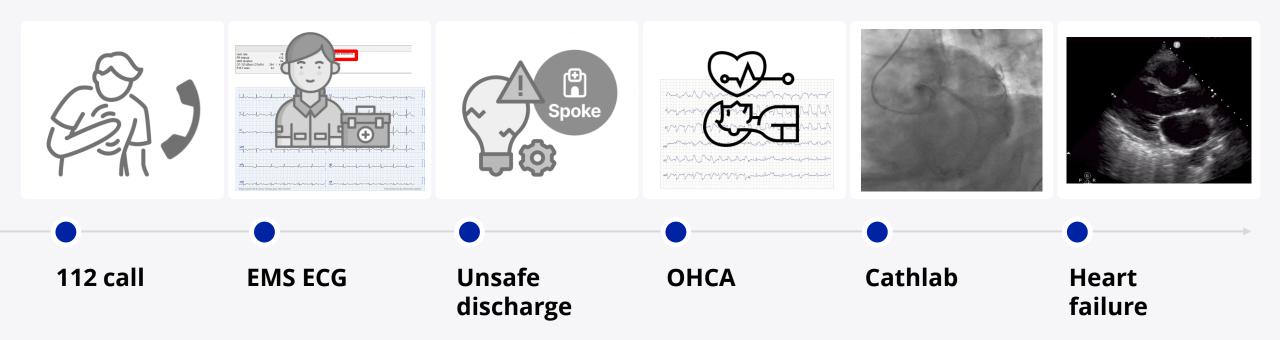
E١





Heart failure









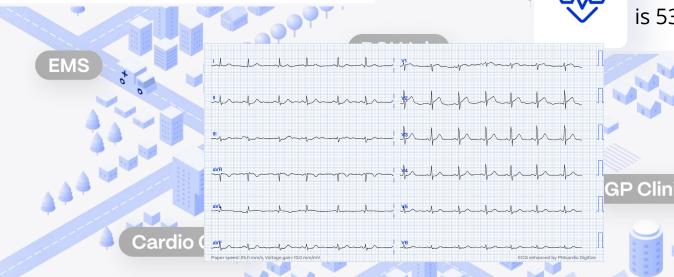
Pharmacy



Poor gatekeeping function of first-point of contact indicated by ED overcrowding¹



Inter-rater variability in detecting STEMI is 53% among non-cardiologists³





Only 17% of STEMI patients presenting to non-PCI centers get reperfusion in time²



Up to 50% of aortic stenosis cases are missed until post-mortem⁴

Home Care











Poor gatekeeping function of first-point of contact indicated by ED overcrowding¹







Inter-rater variability in detecting STEMI is 53% among non-cardiologists³







Only 17% of STEMI patients presenting to non-PCI centers get reperfusion in time²



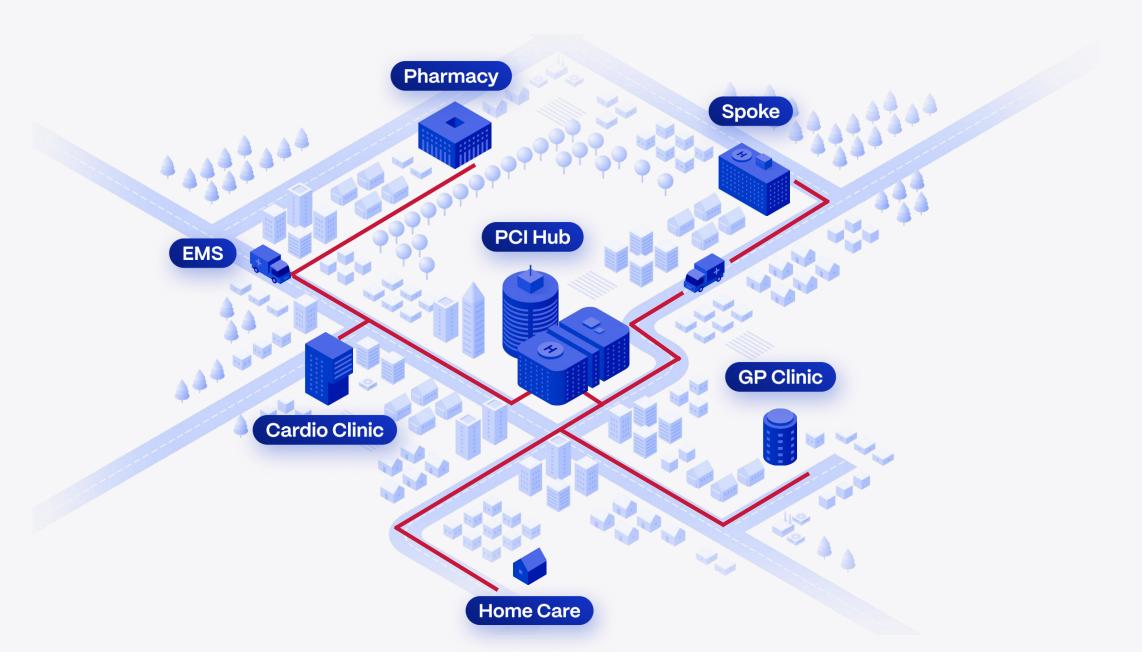
Home Care



Up to 50% of aortic stenosis cases are missed until post-mortem⁴



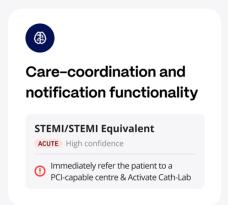






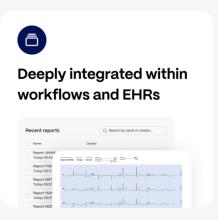


A cardiovascular diagnostics & care-coordination platform, connecting all stakeholders within a health system through Al-powered clinical pathways.



Data residency

SAML SSO



User administration

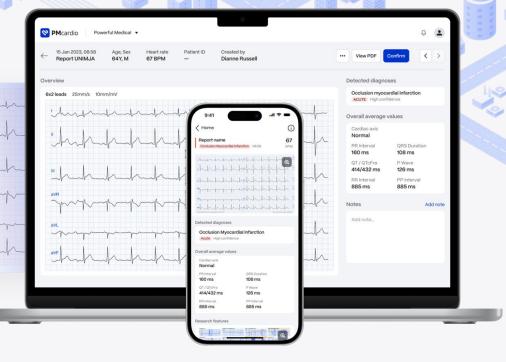
PACS / CVIS



Q Audit logs













In 12 months since EU MDR **CE-certification and Launch**

57,000 active healthcare professionals

1.1M

ECGs reviewed with PMcardio

16 countries

























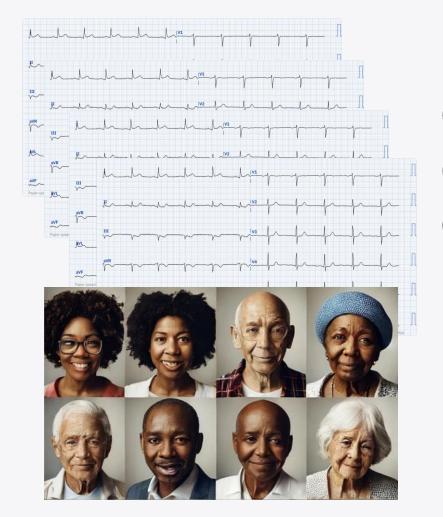


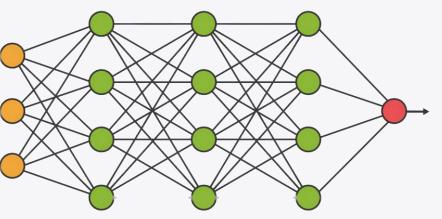


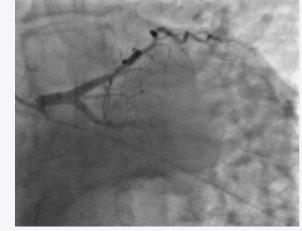


5 reasons why all of this is not just theory...

Unbiased AI Model Development







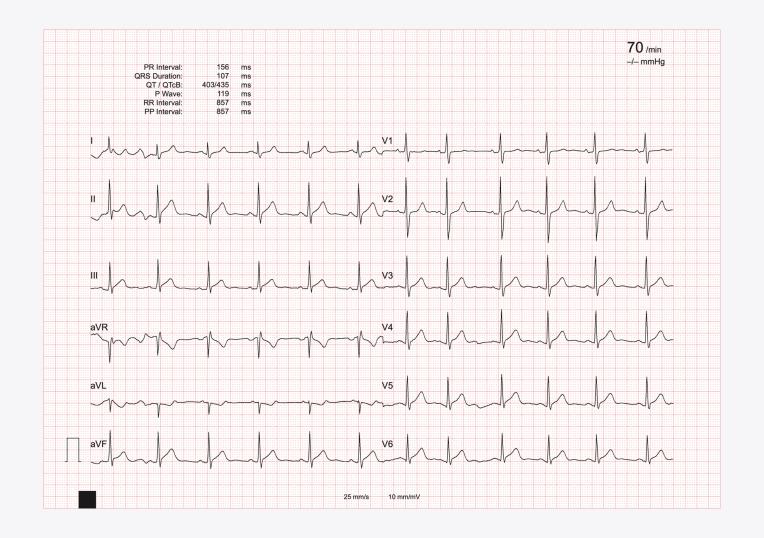


Clinically adjudicated outcome

- Laboratory
- Angiograms
- Echocardiography

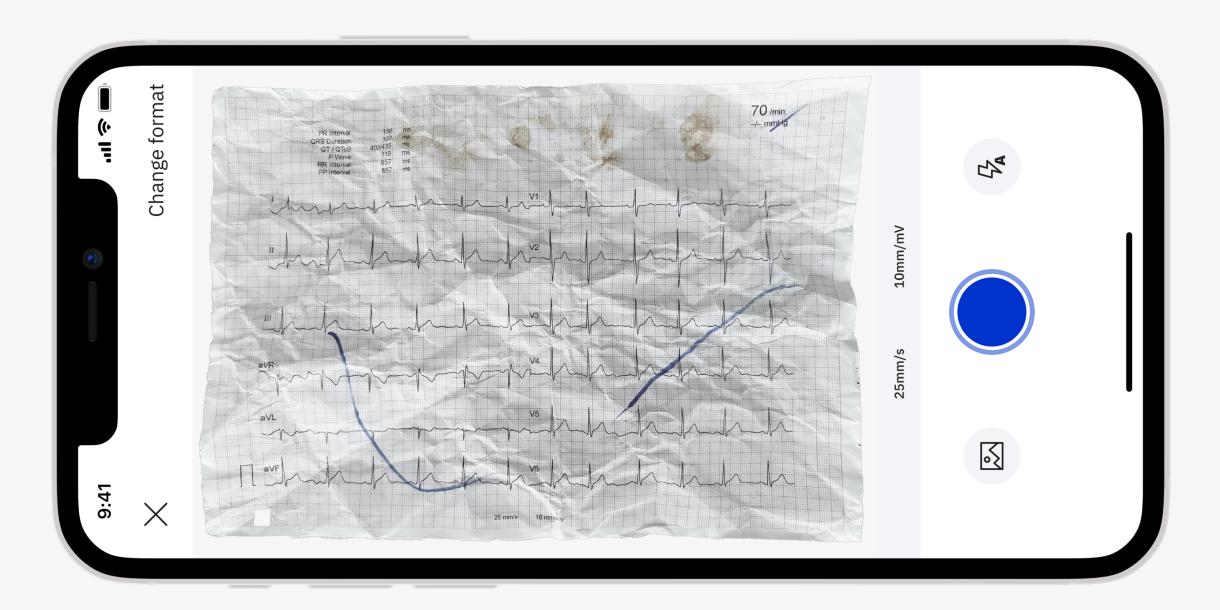




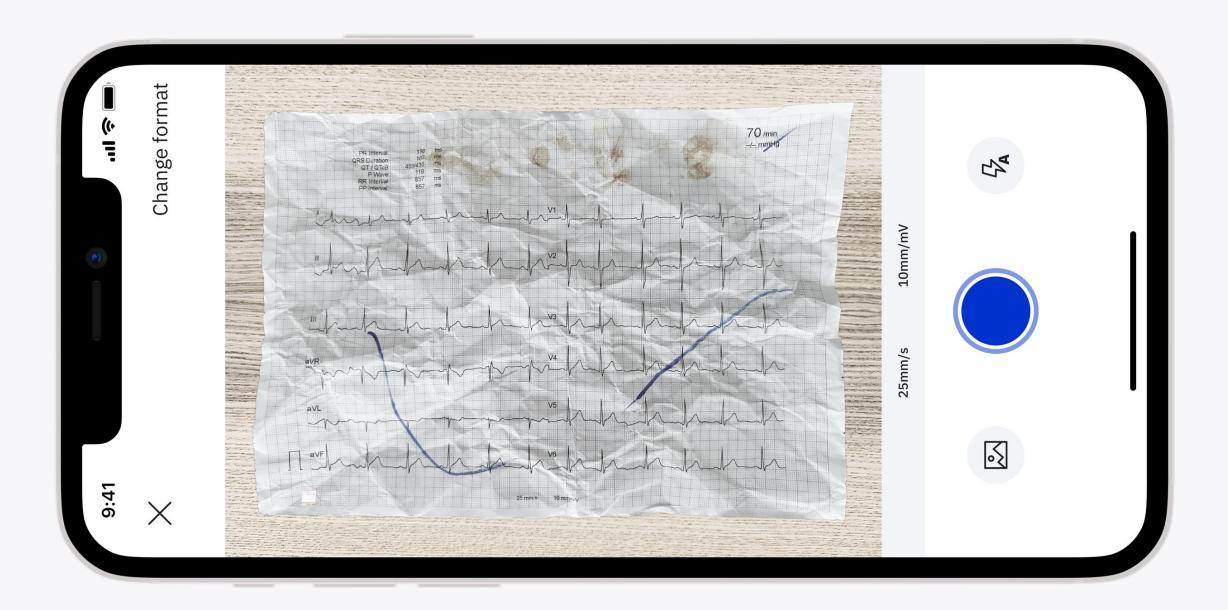








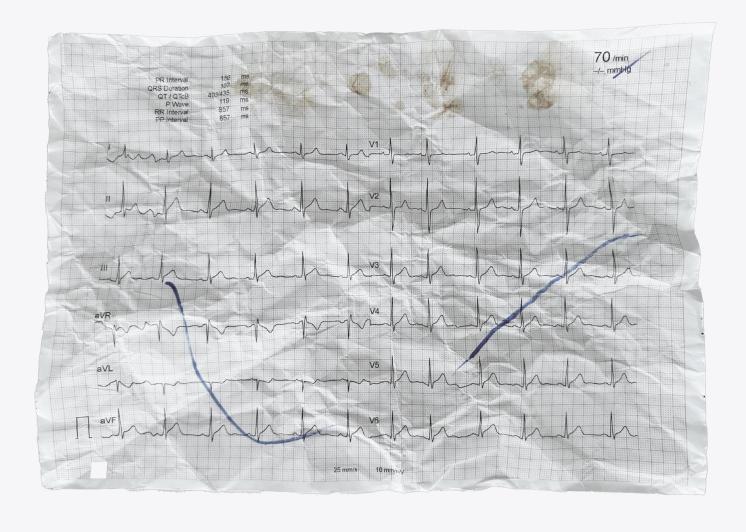






Change format

Input Image

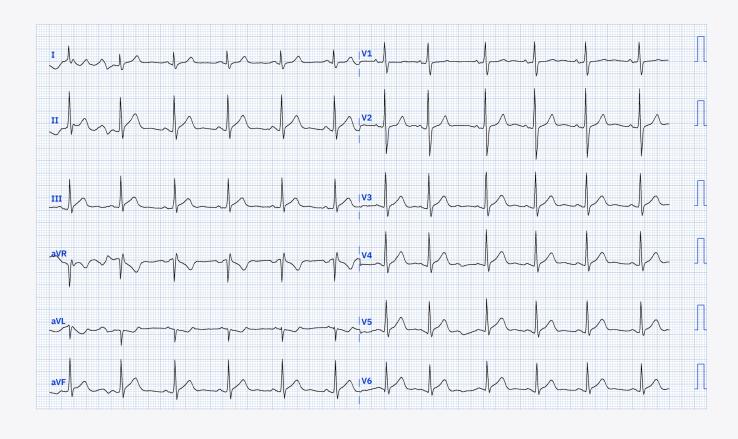








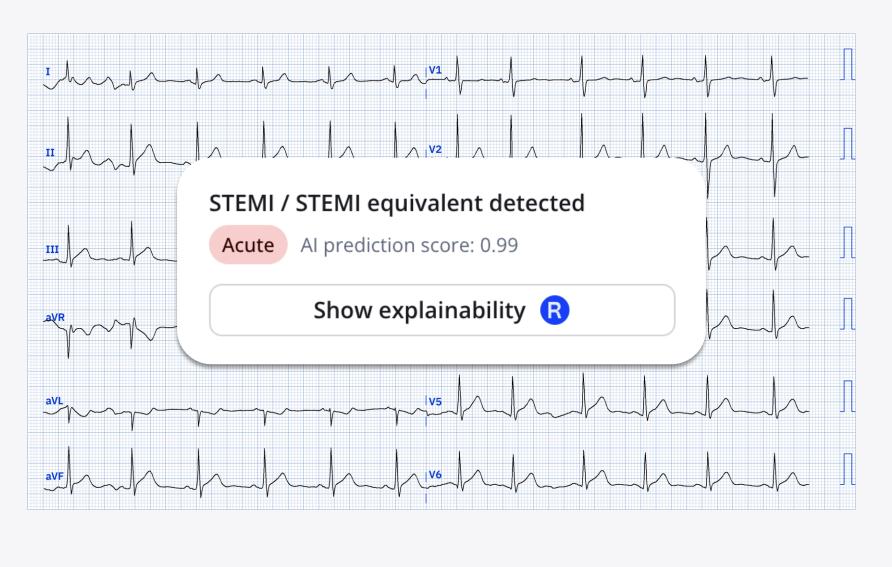
Digital ECG Waveform



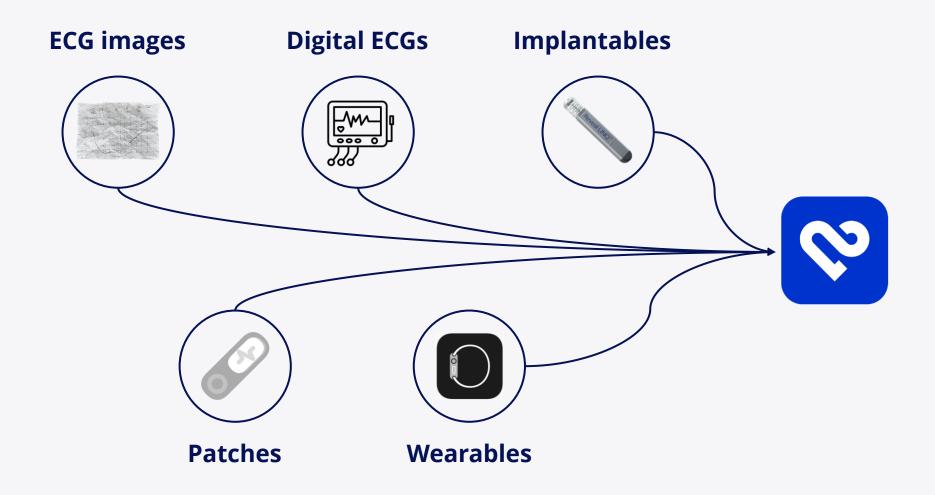








Interoperability and accesibility







58%

reduction in false positive cath lab activations







higher sensitivity compared to cardiologists

Clinical Evidence



3-month prospective implementation in the Emergency Department

56%

reduction in D2B times for STEMI equivalents





97%

specificity in unselected all-comer chest pain patients without STE







HIELORA



73%

positive predictive value in OHCA without ST elevation



The Christ Hospital Health Network

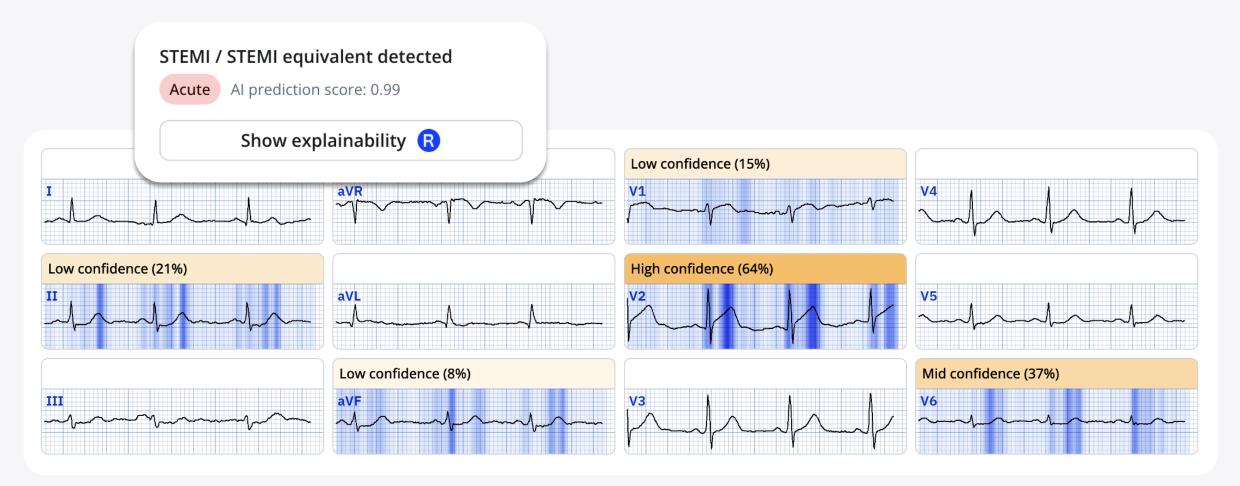
Mount Sinai

DukeHealth

74%

sensitivity in detecting acute OMI

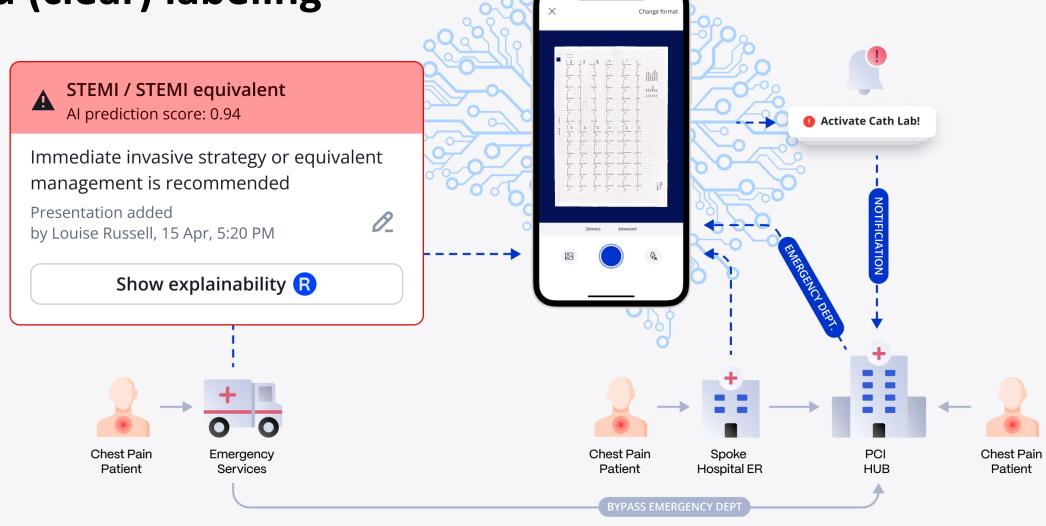
Building trust with healthcare professionals through explainable Al solutions







Protocolized implementation and (clear) labeling







PMcardio is the definitive platform for AI cardiology, connecting all stakeholders through direct implementations and partnerships

STEMI Pathway

FDA: De Novo 2025 | EU MDR: Class II(b) CE-Certified

Representative & current partners

ZOLL Scorpuls Stryker Heart Beam Cleerly

Heart Failure Pathway

FDA: 510(k) 2025 | **EU MDR:** Class II(b) 2025

Representative & current partners



Arrhythmia Pathway

FDA: 510(k) 2025 | EU MDR: Class II(b) CE-certified

Representative & current partners

iRHYTHM'AliveCor'medel'CARDIOLINE : fitbit

Structural & Valvular Heart Disease

Representative & current partners





Thank you for your attention!



Robert Herman, MD

Cardiovascular Al Researcher

RobertHermanMDrobert@powerfulmedical.com



