



Automatic Heart Attack detection



Problem



Every 40 seconds, someone in the United States has a heart attack

That's a huge number yet there is no widespread solution for effective detection of ECG patterns preceding Heart Attack outside of the hospital.



26.5% of heart attacks victims in the US are people that had a heart attack before

There are 210,000 such cases each year. So there are a lot of people in dire need of such of a solution for accurate heart attack detection.

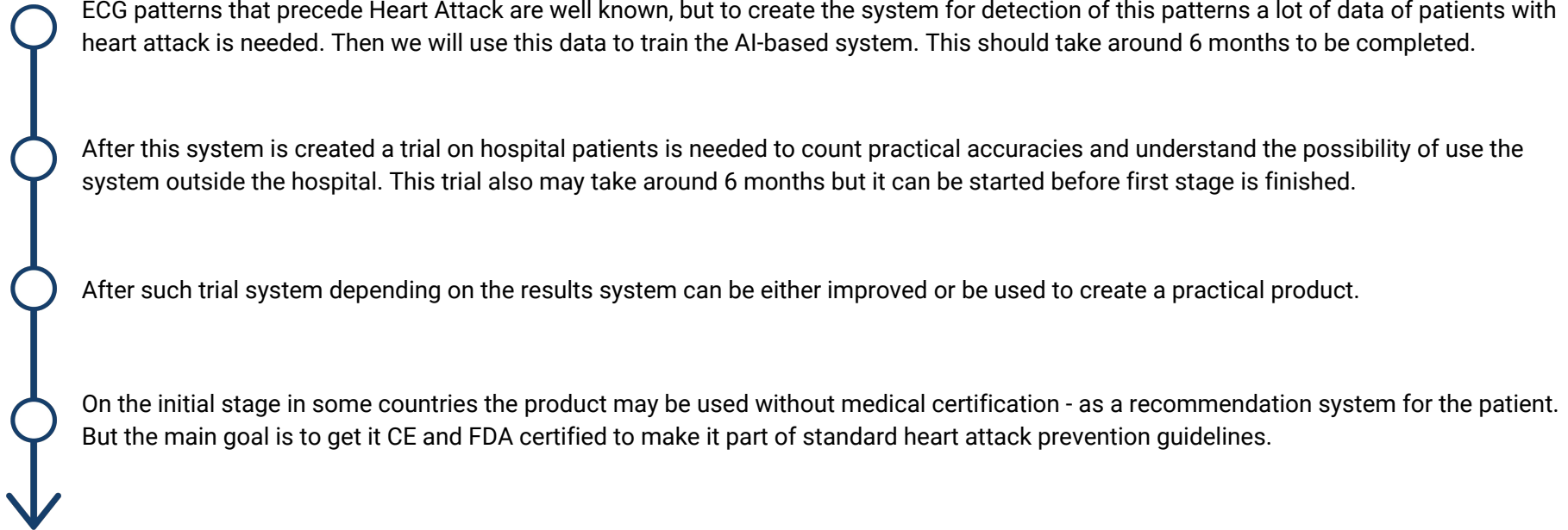


One of 5 heart attacks is silent — the damage is done, but the person is not aware of it.

That means that a convenient way to record the patient's ECG outside of the hospital is the only way to reliably detect the heart attack in 20% of all cases.

Automatic Heart Attack detection - Roadmap

All statistics mentioned before makes creating ways of automatic detection of ECG patterns preceding Heart Attack outside of hospital a huge challenge for modern medicine. The following should be done to create such a system:



Automatic Heart Attack detection - What we need



Our first challenge is data collection.

For proof of concept at least 1000 samples of ECGs of different people with heart attack ECG patterns are needed.



Even more data will be needed after PoC

To create a system for use in hospitals we may require even more data - around 10000 samples, but to understand how much data is needed exactly first stage should be completed.

Automatic Heart Attack detection - What we need



We need assistance of highly qualified medical researchers to maximize the results of clinical trials.

At least 500 subjects in different hospitals are needed.



Assistance with CE and FDA

Your practical experience and assistance on the global certification phase will be valuable and appreciated.



**Feel free to contact us
and join this research!**

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