

iota medtech

AI Platform for Medical Images for South-East Asia

Problem

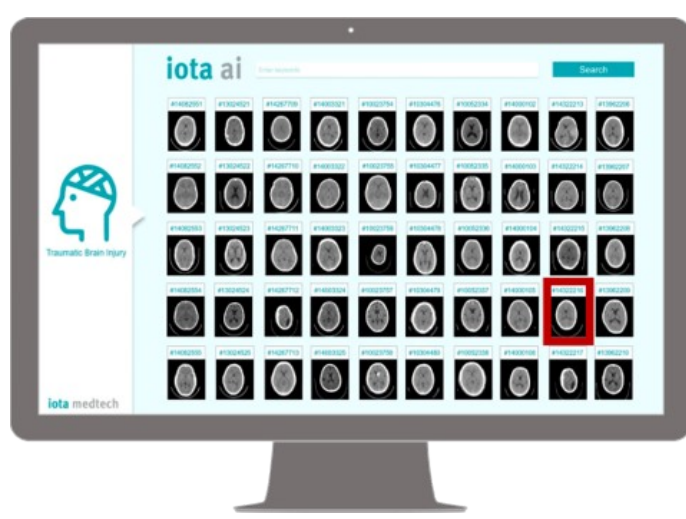
- 69 million people suffer from Traumatic Brain Injury (TBI) annually. This translates to about 2 people every second. If patients are not treated within the 'golden hour', the risk of death from TBI increases rapidly.
- The challenge is to find the "needle-in-the-haystack patient" - the patient who needs urgent intervention.
- Brain structural differences exist between Caucasian and Asian populations, and an algorithm trained using the Asian database is needed.

Solution

- iota AI identifies the "needle-in-the-haystack patient" in the queue and prioritises it to the top, capturing the radiologists' attention. A notification will be sent to the team of physicians for immediate attention.
- Our partnership with local hospitals enables us to tap on the large decade-old repository of high-resolution CT brain images, optimising iota AI for the SEA market.
- iota AI is a scalable platform that will host a range of AI using deep learning to analyse medical images.

Product Summary

The AI solution can identify abnormal brain scans by flagging out images that require immediate surgical attention to radiologists, speeding up the delivery of acute treatment to patients suffering from TBI. This improves the traditional workflow of analysing CT images through the First In First Out (FIFO) method.



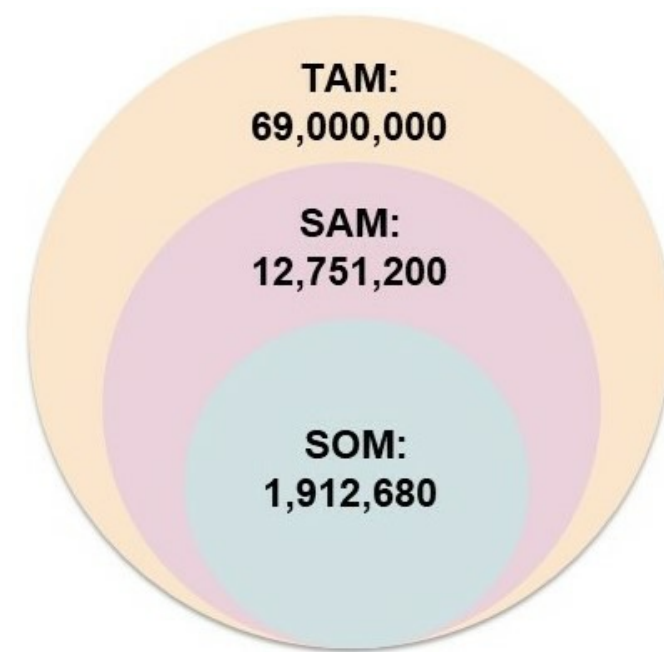
Milestones

- Joined JUMPstart accelerator programme. February 1st, 2019
- Signed Memorandum of Understanding (MOU) between iota medtech and National Neuroscience Institute (NNI). June 11th, 2019
- Showcased iota AI in Asia Pacific MedTech Forum 2019. October 8th, 2019
- Joined 500 Startups Global Launch Programme (San Francisco) November 3rd, 2019

Business Model

Our business model is pay per scan, with projected revenues of up to \$19 million a year with \$10 per medical analysis.

For hospitals, we are looking to adopt a subscription model, charging \$100k per year.



FAQs

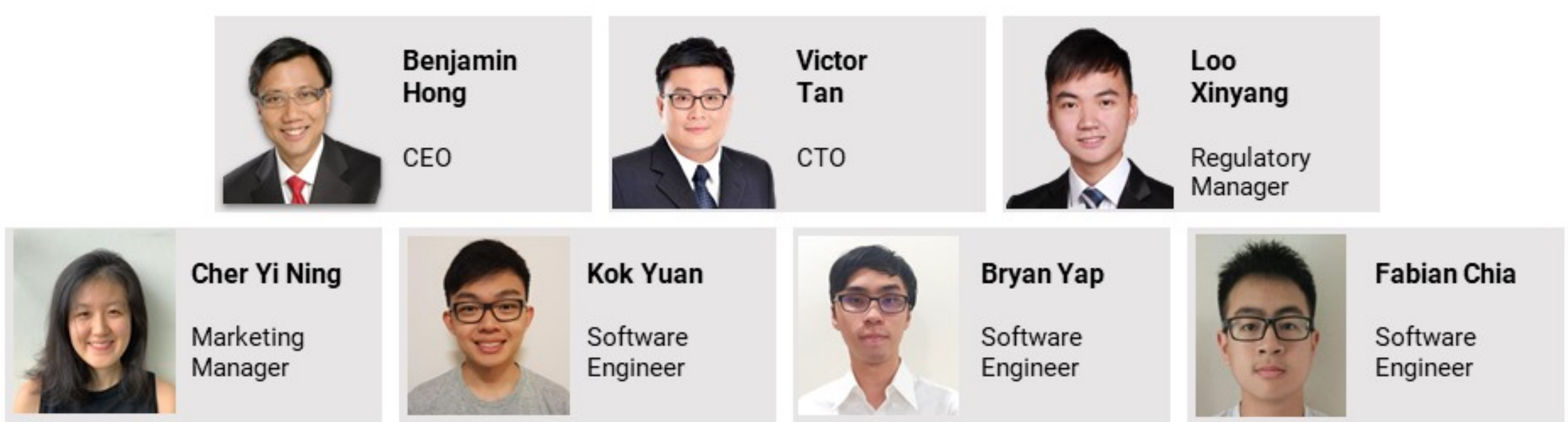
Does the solution solve the unmet clinical need?

In South-East Asia alone, there are 12,751,200 TBI cases annually. With iota AI, the time improvement is significant from up to 120 minutes to just 5 minutes, which is a 24 times improvement. In this way, death or disability from TBI in SEA can be reduced significantly.

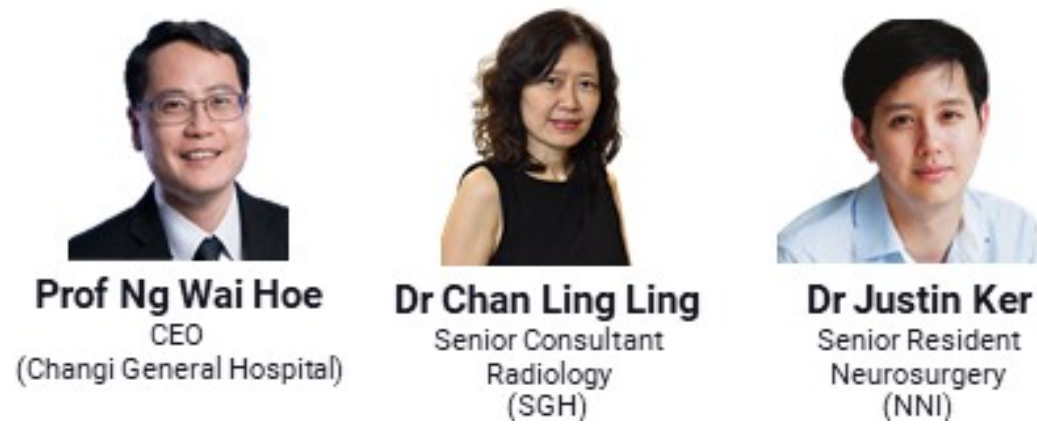
What is your regulatory strategy?

We aim to receive CLASS B regulatory approval from HSA and SEA regulators. Standards such as IEC62304 and ISO 13485 for Software as a Medical Device (SaMD) are used as the guidelines for our technical documentation for regulatory submission.

Team



Advisors

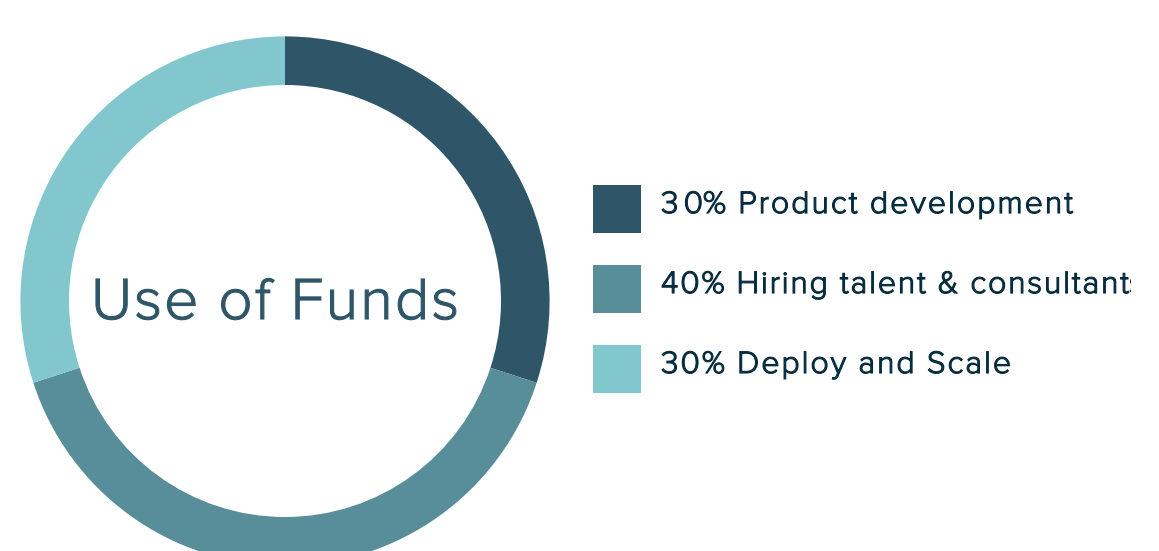


Partners



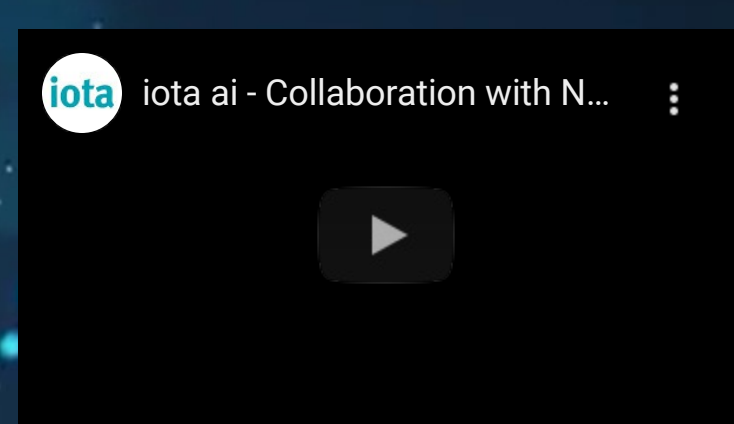
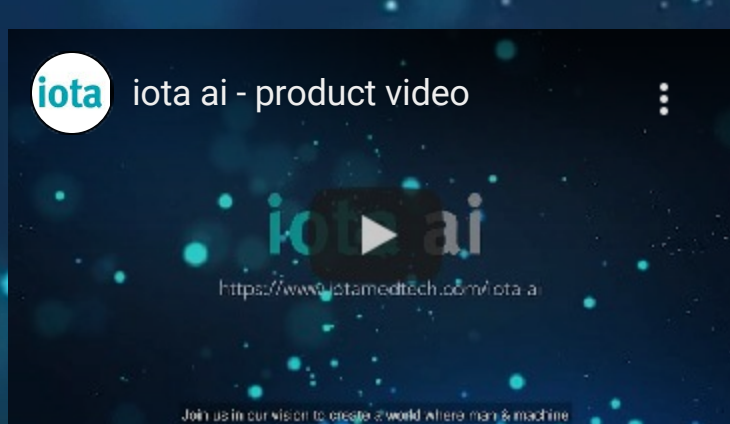
The Ask

We are seeking USD\$1,000,000 in investment.



Please click on the title of the video

To watch our product video & our collaboration with the National Neuroscience Institute (NNI).



Contact

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