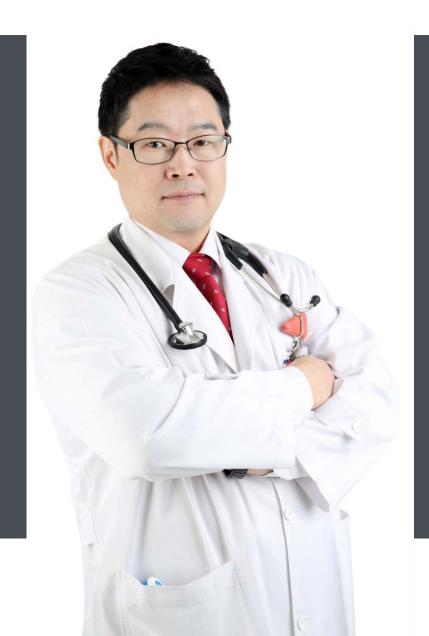




Benjamin Ryu, MD CEO



Benjamin Ryu CEO



Academic Background

- Seoul University, B.S. In physics/electronic engineering
- Gachon Medical School, M.S. in medicine
- KAIST, Ph.D. in neuroscience



Work Experience

- Current member of the Korean Medical Association
- Current regular member of the Korean Association of Clinical Ultrasound
- Digi-gen, CEO/CTO
- IT Magic, CTO
- Fellow at Chung Gu Sung Sim Hospital ER

Digital Imaging for Primary Healthcare





Primary health clinics



Pain treatment



Infants/pediatric



Maternal and child health



Silver care



Sports medicine



Physical therapy



Ultrasound diagnostic training

Point-of-care Lung Ultrasound for COVID-19

Minimization of infection

Smaller area of contact with Patients and easy to sterilize



Reproducible and fast diagnosis

Allow a first screening and Discriminate low-risk patients from Higher risk patients

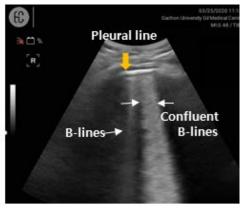


Bed-side evaluation

Allow save time and easy to carry arround



Lung ultrasound using SONON



COVID-19 pneumonia

Good accuracy

Similar to chest CT and superior to CXR for evaluation of pneumonia and ARDS

Easy to learn

Allow doctors with no experience To accurately diagnosis pneumonia

Widely available

Suitable for diagnosis and management of complications

Healcerion Vs. COVID-19











WUNOPS

Section II: Capability Statement

Founded in 2012. Healcerion presents the handheld type wireless ultrasound devices. Sonon 300C/300L, and the mobile app of smartphone. Sonon performs full ultrasound diagnosis with battery power and transmits signal to smartphone directly and wirelessly without any communication infra. The mobile app of smartphone displays the ultrasound image and processes user input by touch interface. The doctor or any other medical worker can diagnose patients with Sonon anytime and anywhere. Now we call it POCUS(point-of-care

Company Snapshot

- DUNS #

334510, 423450, 532490, 621999. 811219

No 1401, 12, Digital-ro 33gil, Gurogu, Seoul 08376, South Korea Tel: +82 2.6347.6326

Core Competencies





Compact Ultrasound Device System(Sonon Diagnosis mobile ann

- Handheld type(370g)
- Battery-operated
- · iOS/Android support · Wireless connection PACS support

Medical Device Certificate

- MFDS(Korea) · FDA(USA)
- · CE MDD(Europe)
- · CFDA/China
- PMDA(Japan)

Differentiators

- · Wireless Connection Make doctors and health workers diagnose more freely
- . Network Able to send ultrasound image to others · Image Quality - Meet/exceed the field requirement
- · Usability Very high by using touch interface
- · Portability Very light and battery-operation
- Using Time 3 hours of continuous usage
- Price Very affordable (\$8,000)

m +82-2-6347-63 Brandon Lee(contact point)

RFQ Ref No:GTF-EPP-001/042020



Past Performances



The World Bank seeks to procure diagnostic ultrasound devices that meet the following technical specifications below. The scanner types are listed in order of priority (i.e., portable handheld systems are desired over cart-based systems).

- Portable scanners: Battery-powered, laptop- or tablet-style(touch-screen) ultrasound scanners that support transducers (probes) that are suitable for adult and pediatric lung imaging assessments, such as a 3 MHz to 6 MHz convex linear array (CLA) or sector probe for adult applications, and a 4 MHz to 8MHz CLA or sector probe for pediatric applications. The scanner should have a lung exam preset. A fully charged battery should power the device for 30 minutes of continuous scanning. Battery chargers must be provided and the end user must be able to fully charge a depleted battery in less than three-hours. The power requirements for battery chargers are on a per-country basis. The vendor should review the provided country list to identify any issues with the countries' power requirements. The scanner and probes shall be compatible with at least one disinfecting solution that is capable of killing the COVID-19 virus as indicated on the current list of EPA-approved cleaning/disinfecting agents. Vendor should indicate if the scanner supports wireless internet
- Probes that communicate with a smart-device: The probe shall communicate wirelessly or via a cable (e.g., USB-C, iOS lightning) with a smartphone or tablet computer, which is used to display ultrasound data and serve as the user-interface. It is preferred that the vendor's application software (app) be available for both Android and Apple (iOS) operating systems. A list of compatible operating systems and smart device models shall be provided. Probes shall be suitable for adult and pediatric lung imaging assessments, and support a lung exam preset. If battery-powered, a fully charged battery should power the probe for 30 minutes of continuous scanning. Battery chargers must be provided and the end user must be able to fully charge a depleted battery in less than three-hours. The power requirements for battery chargers are on a per-country basis. The vendor should review the provided country list to identify any issues with the countries' power requirements. The probe shall be compatible with at least one disinfecting solution that is capable of killing the COVID-19 virus as indicated on the current list of EPA-approved cleaning/disinfecting agents. It is preferred that the probe vendor also provide one compatible smart device with each

Public Procurements

Procurement qualifications from 26 international organizations



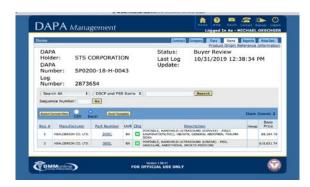
2020. 4 UNOPS bid for portable ultrasound diagnostic devices for COVID-19



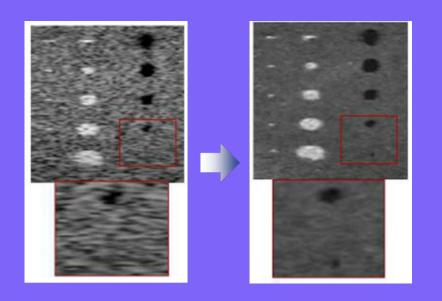
2020. 5 World Bank bid for wireless. ultrasound diagnostic devices for COVID-19

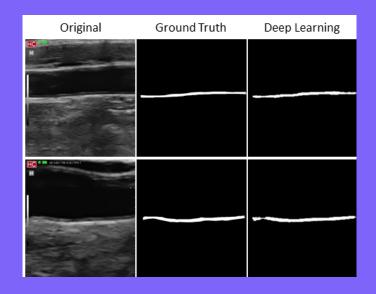
USA Procurements

- GPO Procurements(Intalere)
- Ready for Special Force procuremtns
- DAPA Registration



Medical Al







Resolution Improvement IMT thickness Measurement Best Reference Guide

Joint Development of AI Technology

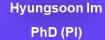






Center for Systems Biology







Ralph Weissleder MD, PhD



Cesar M. Castro MD. MMSC



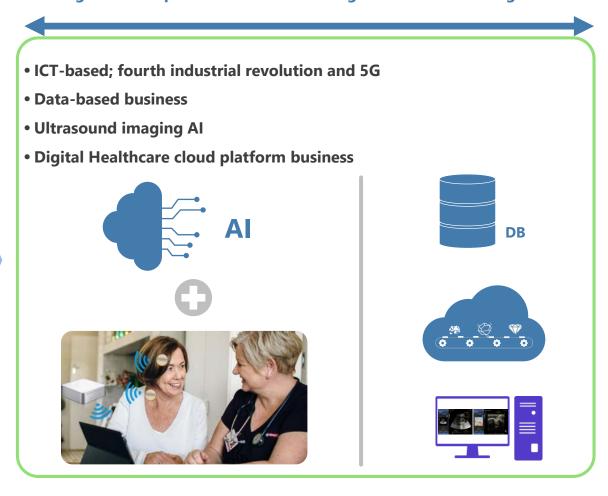
Business Growth Plan

Stage 1: Healthcare devices

- Portable ultrasound diagnostic units
- Free distribution, use-based business
- Smart hematocele patch system



Stage 2: Cloud platform & solution integrated with AI and big data







THANK YOU.



Contact us.

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