



Report on the Motic EasyScan Go Al-based Malaria Detection Device Early Adopter Workshop

> Held with Global Good, WWARN, and JIPD in Bangkok

Bangkok, Thailand – June 3-4, 2019



Executive summary:

- Experts in malaria detection from the Bill and Melinda Gates Foundation-funded Global Good initiative, the Worldwide Antimalarial Resistance Network (WWARN), and the Jiangsu Institute for Parasitic Diseases (JIPD), presented to top Southeast Asian microscope commercial distributors regarding the state of malaria worldwide and how Motic's AI-based EasyScan Go can automate the malaria detection process
- Early adopter plan agreed upon to bring the EasyScan Go to market in Thailand, Malaysia, India, Vietnam, and Mozambique—the first step in a large-scale commercialization plan for research and clinical markets worldwide
- Al algorithm improvements currently under way will further improve the efficacy of the system



Malaria experts from Global Good, WWARN, and JIPD meet with Top SE Asian distributors in Bangkok



Full report:

The Motic EasyScan Go Workshop was held June 3-4, 2019, with participation from Global Good, the Worldwide Antimalarial Resistance Network (WWARN), and the Jiangsu Institute for Parasitic Diseases (JIPD).

The event brought experts Dr. Zihong Guo and Matt Horning of Global Good, Dr. Mehul Dhorda and Dr. Ranitha Vongpromek of WWARN, and Dr. Gao Qi of JIPD together with top Southeast Asian microscope commercial distributors from Thailand, Vietnam, Malaysia, and India for two days of training, feedback, and commercialization discussions for Motic's cutting-edge, AI-based, automated EasyScan Go, which is developed in conjunction with Global Good.



Dr. Zihong Guo of GLOBAL GOOD speaks with a top Thailand distributor about the EasyScan Go

Mr. Sebastian Nunnendorf, General Manager of Motic Scientific Instruments, and Dr. Zihong Guo, Commercialization Officer for Global Good, kicked off the EasyScan Go workshop with opening remarks about the EasyScan Go project's history and the strategic partnership between Motic and Global Good.





Mr. Sebastian Nunnendorf, General Manager Motic Scientific Instruments, kicks off the EasyScan Go event

Their talk was followed by Dr. Mehul Dhorda's. Head of WWARN's Asia Regional Centre, Dr. Dhorda spoke on the current state of resistance to anti-malarial drugs and how the EasyScan Go can help address this growing problem.

Following Dr. Dhorda's presentation, Dr. Ranitha Vongpromek of WWARN presented very positive field data regarding the efficacy of the EasyScan Go system as tested by WWARN labs throughout the world.

This talk was followed by a very informative presentation from Dr. Gao Qi, Professor at the Jiangsu Institute of Parasitic Diseases (a member of the WHO Malaria Policy Advisory Committee), regarding the malaria situation in China and how malaria has been nearly eradicated in China. Dr. Gao's presentation regarding how China has almost eliminated malaria in just under four decades led to a fruitful discussion about how such measures could be adopted in the attending commercial distributors' countries and how Motic's EasyScan Go could be a multiplier for such eradication efforts.





Dr. Mehul Dhorda, Head - Asia Regional Centre, of WWARN presents on how the EasyScan Go can help with research on resistance to antimalarial drugs

"...[T]he advantage you get from a device like this [EasyScan Go] is that it is like having the same microscopists at all sites where the device is being used. So, you can be reasonably certain of the level of the proficiency of the performance of the device. That actually helps being able to compare data across different timepoints, which is very important when you are tracking the efficacy and trends in efficacy of various antimalarial drugs."

-Dr. Mehul Dhorda, Head-Asia Region, WWARN





Dr. Gao Qi of JIPD explains how China has nearly eradicated malaria in just 40 years

In the afternoon, Matt Horning, Research Scientist at Global Good and lead developer on the malaria detection software used in the EasyScan Go, provided an in-depth training of the EasyScan Go to everyone in attendance. He then answered questions from the Southeast Asian commercial distributors in attendance. Many of the questions led to excellent end-user feedback suggestions for ways to improve the overall workflow of the system to ensure successful commercialization of the product.

The workshop reconvened on the morning of June 4. Attendees spent the day discussing how best to launch the product in Southeast Asia. All commercial distributors in attendance agreed to place units in the top malaria research labs in their countries as part of an early adopter program. This commitment from the distributors to begin placing the EasyScan Go in key research labs is an important first step in full EasyScan Go commercialization. The EasyScan Go is slated for full global market release in Q1 2020.





Matt Horning, Research Scientist at Global Good, discusses the AI algorithm used in the EasyScan Go and demonstrates proper use of the system



Matt Horning scans malaria slides brought by one of the SE Asian distributors



"Our foundation is also working with Chinese partners on some breakthrough tools that will save lives. One device we are developing with the company Motic is a microscope that uses artificial intelligence to detect malaria in blood samples."

-Bill Gates, Founder of Microsoft and The Bill and Melinda Gates Foundation, speaking at the 2018 Hongqiao International Economic and Trade Forum



EasyScan Go system on display at the workshop





Global Good's Matt Horning demonstrates simple loading of a malaria slide with the EasyScan Go



Areas of interest captured with the EasyScan Go's advanced artificial intelligence malaria detection software





Top commercial distributors from SE Asia actively participated in the event and agreed to begin introducing the system in their home markets



Dr. Zihong Guo discusses commercialization of the EasyScan Go system with SE Asian distributors





Workshop participants

Motic was established in 1983 as a hi-tech industrial enterprise specializing in manufacturing conventional compound microscopes. Since its humble beginnings, Motic has expanded globally to include offices in Canada, the United States, Spain, Germany, and Hong Kong, with over 2,500 employees globally. Learn more at www.motic.com.

Funded by the Bill and Melinda Gates Foundation and focused on a shared vision with Nathan Myhrvold, Global Good invents technology to solve some of humanity's most daunting problems. Global Good collaborates with leading humanitarian organizations, forward-looking governments, research institutions, and corporate and private sector partners to bring their inventions to market. Learn more at www.intellectualventures.com/what-we-do/global-good-fund.

For more about the EasyScan Go project, please visit www.easyscango.com.