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Building international WSI telepathology full double-check system between Japan and Vietnam

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Our university is planning to open Health Evaluation and Prevention Center in Ho Chi Minh city, Vietnam co-operating with Cho Ray Hospital (CRH). The basic idea is to serve the Japanese standard health check facility in Vietnam. The opening date will be on early September 2018. This plan is based on our previous international WSI (Whole Slide Imaging) telepathology consultation trials with eastern Asian countries.

We build a company with canon medical systems, then a joint business was started between CRH. Basically, CRH provides building, doctors, nurses, technicians, and staffs, while our University provides system infrastructures, medical equipment, advisors, training opportunities in Japan, and remote diagnosis of medical images. Pathology slide preparation together with primary diagnosis will be outsourced to CRH. We have accepted

2 Vietnamese pathologists to Mita Hospital, Japan for 3 months. Some more pathologists and technicians are now planned to come to Japan. We concluded to use English in pathology systems. The pathology diagnosis report will be first written in English by Vietnamese pathologist, then all the WSI images will be double-checked from Japan through internet. About cytology slides, Vietnamese pathologists will do screening, and at most 5 regions of interest (ROI) will be scanned for WSI in 40X, 11 layers Z-stack. Remote double check will be done only for these ROI from Japan.

Conclusions: This health check facilities with international pathology WSI diagnosis full double-check system will provide a model of contribution of Japanese medical systems to eastern Asian countries.

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